



ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Polyglass USA, Inc.

1111 West Newport Center Drive
Deerfield Beach, FL 33442
(954) 233-1330

PEER-PLYG-001.B.R21

FL1654-R37 (HVHZ)

Date of Issuance: 12/12/2013

Revision 21: 10/18/2024

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone (HVHZ) [sections noted herein.](#)**

DESCRIPTION: Polyglass Modified Bitumen Roof Systems (HVHZ)

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

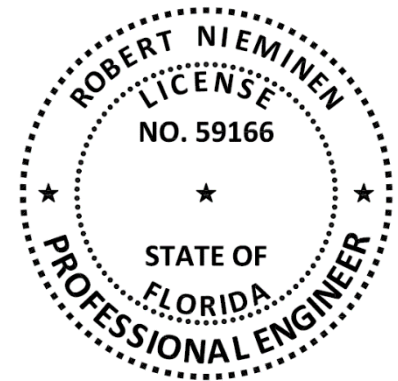
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO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

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 5, plus a 96-page Appendix.

Prepared by:



CERTIFICATION OF INDEPENDENCE:

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

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Modified Bitumen Roof Systems
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: Polyglass Modified Bitumen Roof Systems, as produced by Polyglass USA, Inc., have demonstrated compliance with the following sections of the 8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone (HVHZ) through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

| SECTION | PROPERTY | STANDARD |
|---------|--------------------------------------|--|
| 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 |
| TAS 110 | Material standard (asphaltic) | ASTM D4601, D4897 |
| TAS 110 | Material standard (modified bitumen) | ASTM D6162, D6163, D6164, D6222, D6509 |

3. REFERENCES:

| ENTITY | EXAM | REFERENCE | DATE | ENTITY | EXAM | REFERENCE | DATE |
|----------------|-----------------|--------------------------|----------|----------------|----------------|------------------------|----------|
| ERD (TST6049) | ASTM D6163/G155 | P45440SC.03.15-1 | 03/31/15 | FM (TST1867) | FM 4470 | 3006646 | 01/04/00 |
| ERD (TST6049) | ASTM D6163/G155 | P45440SC.03.15-2-R1 | 03/31/15 | FM (TST1867) | FM 4470 | 3000857 | 01/12/00 |
| ERD (TST6049) | ASTM D6162 | SCS170.05.15 | 05/08/15 | FM (TST1867) | FM 4470 | 3004091 | 01/12/00 |
| ERD (TST6049) | ASTM D6162 | SCS170.12.15 | 12/29/15 | FM (TST1867) | FM 4470 | 3001334 | 02/15/00 |
| NEMO (TST6049) | ASTM D4897 | 4S-PLYG-18-002.11.18-2 | 11/16/18 | FM (TST1867) | FM 4470 | 3006115 | 05/02/01 |
| NEMO (TST6049) | ASTM D6164 | 4S-PLYG-18-002.11.18-3 | 11/28/18 | FM (TST1867) | FM 4470 | 3002416 | 02/07/02 |
| NEMO (TST6049) | ASTM D6163 | 4S-PLYG-18-002.01.19-A | 01/24/19 | FM (TST1867) | FM 4470 | 3012321 | 07/29/02 |
| NEMO (TST6049) | ASTM D6162/G155 | 4S-PLYG-18-002.01.19-B | 01/25/19 | FM (TST1867) | FM 4470 | 3014692 | 08/05/03 |
| NEMO (TST6049) | ASTM D6163 | 4S-PLYG-18-002.05.19-H | 05/20/19 | FM (TST1867) | FM 4470 | 3019317 | 06/30/04 |
| NEMO (TST6049) | ASTM D6222/G155 | 4S-PLYG-18-002.05.19-C | 05/20/19 | FM (TST1867) | FM 4470 | 3020703 | 07/30/04 |
| NEMO (TST6049) | ASTM D6222/G155 | 4S-PLYG-18-002.05.19-D | 05/20/19 | FM (TST1867) | FM 4470/4474 | 3018332 | 01/31/06 |
| NEMO (TST6049) | ASTM D6164 | 4S-PLYG-18-002.05.19-N | 05/31/19 | FM (TST1867) | FM 4470/4474 | 3023368 | 03/20/06 |
| NEMO (TST6049) | ASTM D6164 | 4S-PLYG-18-002.08.19-I | 09/06/19 | FM (TST1867) | FM 4470/4474 | 3022038 | 04/05/06 |
| NEMO (TST6049) | ASTM D6164/G155 | 4S-PLYG-18-002.09.19-J | 09/06/19 | FM (TST1867) | FM 4470/4474 | 3024594 | 05/23/06 |
| NEMO (TST6049) | ASTM D4601 | 4q-PLYG-19-SSMBB-02.A | 12/13/19 | FM (TST1867) | FM 4470/4474 | 3023458 | 07/18/06 |
| NEMO (TST6049) | ASTM D6164 | 4q-PLYG-19-SSMBB-04.A | 01/02/20 | FM (TST1867) | FM 4470/4474 | 3025185 | 05/22/07 |
| NEMO (TST6049) | ASTM D6164/G155 | 4q-PLYG-19-SSMBB-04.B | 01/02/20 | FM (TST1867) | FM 4470/4474 | 3025185 | 05/22/07 |
| NEMO (TST6049) | ASTM D6222/G155 | 4q-PLYG-19-SSMBB-05.A | 07/23/20 | FM (TST1867) | FM 4470/4474 | 3030668 | 09/12/07 |
| NEMO (TST6049) | ASTM D6164 | 4q-PLYG-20-SSMBB-04.A | 10/21/20 | FM (TST1867) | FM 4470/4474 | 3032172 | 06/12/09 |
| NEMO (TST6049) | ASTM D6163 (T2) | 4q-PLYG-20-SSMBB-05.A.R1 | 10/18/21 | FM (TST1867) | FM 4470/4474 | 3049631 | 04/21/14 |
| NEMO (TST6049) | ASTM D6164 | 4q-PLYG-22-SSMBB-04.A | 04/21/23 | FM (TST1867) | FM 4470/4474 | 3053475 | 02/11/16 |
| NEMO (TST6049) | ASTM D6509 | 4q-PLYG-22-SSMBB-01.A | 06/14/23 | FM (TST1867) | FM 4470/4474 | 3057029 | 02/02/17 |
| NEMO (TST6049) | ASTM D6222/G155 | 4q-PLYG-22-SSMBB-01.B | 06/14/23 | FM (TST1867) | FM 4474 | PR457312 | 04/20/21 |
| NEMO (TST6049) | ASTM D6222/G155 | 4q-PLYG-22-SSMBB-01.C | 06/14/23 | FM (TST1867) | Criticality | PR456300 | 11/18/21 |
| NEMO (TST6049) | ASTM D4601 | 4q-PLYG-23-SSMBB.02.A | 07/06/23 | FM (TST1867) | Traceability | PR461792 | 12/15/21 |
| NEMO (TST6049) | ASTM D6164/G155 | 4q-PLYG-22-SSMBB.01.D | 07/28/23 | FM (TST1867) | FM 4470/4474 | PR454230 (DATA) | 01/26/22 |
| NEMO (TST6049) | ASTM D6163 (T2) | 4q-PLYG-23-SSMBB-01.A.R1 | 12/01/23 | FM (TST1867) | FM 4470/4474 | PR470524 | 10/07/24 |
| NEMO (TST6049) | ASTM D6163 | 4q-PLYG-23-SSMBB-01.B | 03/14/24 | M-D (CER1592) | Prop. for Rev. | 10-0823 | 10/12/10 |
| NEMO (TST6049) | ASTM D6164 | 4q-PLYG-22-SSMBB-01.E | 06/20/24 | NEMO | Traceability | TFRM-0020-ICP | 02/10/22 |
| NEMO (TST6049) | ASTM D6163 (T2) | 4q-PLYG-22-SSMBB-01.F | 08/20/24 | NEMO (TST6049) | Criticality | 4S-PLYG-18-001.06.18 | 06/23/18 |
| NEMO (TST6049) | ASTM D6163 | 4q-PLYG-22-SSMBB-01.G | 08/20/24 | NEMO (TST6049) | TAS 114 | 4L-PLYG-18-003.08.18 | 08/21/18 |
| PRI (TST5878) | ASTM D4601 | MSA-039-02-03 | 09/27/17 | NEMO (TST6049) | Criticality | 4S-PLYG-18-001.10.18 | 10/03/18 |
| ACRC (TST4671) | TAS 114 | 22-023 | 01/04/23 | NEMO (TST6049) | TAS 114 | 4L-PLYG-18-003.11.18 | 11/28/18 |
| ACRC (TST4671) | TAS 114 | 22-026 | 01/04/23 | NEMO (TST6049) | TAS 114 | 4L-PLYG-18-003.01.19 | 01/11/19 |
| ACRC (TST4671) | TAS 114 | 22-027 | 01/04/23 | NEMO (TST6049) | TAS 114 | 4L-PLYG-18-003.04.19-A | 04/08/19 |
| ERD (TST11294) | TAS 114 | PLYG-CTL13945.05.17-1 | 05/30/17 | NEMO (TST6049) | TAS 114 | 4L-CEL-18-001.12.18-2 | 07/10/19 |
| ERD (TST11294) | TAS 114 | PLYG-CTL13945.05.17-3 | 05/30/17 | NEMO (TST6049) | Criticality | 4S-PLYG-18-001.06.19.A | 07/17/19 |
| ERD (TST6049) | TAS 114 | P13760.09.09 | 09/10/09 | NEMO (TST6049) | TAS 114 | 4a-CEL-19-LSWUS-01.B | 09/17/19 |
| ERD (TST6049) | TAS 114 | P13770.09.09 | 09/10/09 | NEMO (TST6049) | TAS 114 | 2L-ERD-18-001.10.19.B | 03/12/20 |
| ERD (TST6049) | TAS 114 | P30540.11.09-R1 | 11/30/09 | NEMO (TST6049) | TAS 114 | 4a-PLYG-20-LSWUS-01.A | 08/28/20 |
| ERD (TST6049) | TAS 114 | P30550.12.09 | 12/02/09 | NEMO (TST6049) | TAS 114 | 4a-PLYG-20-LSWUS-02.A | 10/05/20 |
| ERD (TST6049) | TAS 114 | P33970.03.11 | 03/15/11 | NEMO (TST6049) | TAS 114 | 4a-PLYG-21-LSWUS-01.A | 11/29/21 |
| ERD (TST6049) | TAS 114 | P39680.03.13 | 03/04/13 | NEMO (TST6049) | TAS 114 | 4a-VPS-22-LSWUS-01.A | 02/13/23 |

| ENTITY | EXAM | REFERENCE | DATE | ENTITY | EXAM | REFERENCE | DATE |
|---------------|---------|-----------------------|----------|----------------|-----------------|-----------------------|----------|
| ERD (TST6049) | TAS 114 | P41630.08.13 | 08/06/13 | NEMO (TST6049) | TAS 114 | 4a-ERD-23-LSWUS-03.A | 06/15/23 |
| ERD (TST6049) | TAS 114 | SC6160.11.14 | 11/10/14 | NEMO (TST6049) | TAS 114 | 4a-PLYG-23-LSWUS-02.A | 09/07/23 |
| ERD (TST6049) | TAS 114 | SC8085.05.15 | 05/19/15 | NEMO (TST6049) | TAS 114 | 4a-PLYG-23-LSWUS-01.A | 08/29/23 |
| ERD (TST6049) | TAS 114 | SC9455.15 | 04/01/16 | NEMO (TST6049) | TAS 114 | 4a-PLYG-23-LSWUS-04.A | 10/04/23 |
| ERD (TST6049) | TAS 114 | PLYG-SC8905.05.16-1 | 05/17/16 | NEMO (TST6049) | TAS 114 | 4a-PLYG-23-LSWUS-06.A | 12/08/23 |
| ERD (TST6049) | TAS 114 | PLYG-SC8905.05.16-2 | 05/17/16 | NEMO (TST6049) | Criticality | 4i-VPS-SSCRT-001.A | 05/08/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC12095.07.16 | 07/14/16 | NEMO (TST6049) | TAS 114 | 4a-ERD-23-LSWUS-04 | 05/09/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC10815.07.16-R1 | 09/23/16 | NEMO (TST6049) | FM 4474 | 4a-PLYG-23-LSWUS-03.A | 06/20/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC12025.10.16 | 10/12/16 | NEMO (TST6049) | Criticality | 4i-PLYG-SSCRT-001 | 08/19/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC11475.16 | 11/17/16 | NEMO (TST6049) | FM 4474 | 4a-PLYG-LSWUS-003 | 10/04/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC6070.12.16 | 12/20/16 | NEMO (TST6049) | FM 4474 | 4a-PLYG-LSWUS-004.A | 10/14/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC13235.01.17 | 01/17/17 | NEMO (TST6049) | FM 4474 | 4a-PLYG-LSWUS-001.A | 10/16/24 |
| ERD (TST6049) | TAS 114 | PLYG-SC13920.05.17 | 05/30/17 | PRI (TST5878) | TAS 114 | PUSA-188-02-01 | 02/08/17 |
| ERD (TST6049) | TAS 114 | PLYG-SC13945.05.17 | 05/30/17 | PRI (TST5878) | TAS 114 | PUSA-188-02-02 | 02/08/17 |
| ERD (TST6049) | TAS 114 | PLYG-SC15760.09.17 | 09/11/17 | PRI (TST5878) | TAS 114 | PUSA-188-02-03 | 02/08/17 |
| FM (TST1867) | FM 4470 | 2W7A7.AM | 08/04/94 | PRI (TST5878) | TAS 114 | PUSA-202-02-01 | 05/17/17 |
| FM (TST1867) | FM 4470 | 1Z5A6.AM | 10/25/96 | PRI (TST5878) | TAS 114 | PUSA-202-02-02 | 05/17/17 |
| FM (TST1867) | FM 4470 | 0D3A3.AM | 04/04/97 | NEMO | Data Release | DRA, CEL | 10/04/23 |
| FM (TST1867) | FM 4470 | 2B8A4.AM | 07/02/97 | NEMO | Data Release | DRA-VPS | 05/31/24 |
| FM (TST1867) | FM 4470 | 2D0A0.AM | 12/23/98 | UL (QUA9625) | Quality Control | Service Confirm | 08/16/22 |
| FM (TST1867) | FM 4470 | 2D5A9.AM | 06/22/99 | UL (QUA9625) | Quality Control | Florida BCIS | Current |

4. PRODUCT DESCRIPTION:

This PEER covers **Polyglass Modified Bitumen Roof Systems** installed in accordance with **Polyglass USA, Inc.** published installation instructions and the [Limitations of Use](#) herein.

| TABLE 1: EVALUATED MEMBRANES | | | | | |
|--------------------------------|--|---------------------------------------|------|-------|------------|
| TYPE | PRODUCT | MATERIAL STANDARD | | | PLANT(S) |
| | | REFERENCE | TYPE | GRADE | |
| BASE SHEETS | Polyglass G2 Base | ASTM D4601 | II | N/A | AL |
| | Elastobase SA | ASTM D4601 ASTM D6163 (Table 2) | II | N/A | FL, PA, TX |
| | ModiFleece | ASTM D4601 | II | N/A | FL, TX |
| | Elastovent | ASTM D4897 | N/A | N/A | PA |
| | Polybase V (formerly "Polyglass Base") | ASTM D6509 | N/A | N/A | FL |
| APP, SMOOTH-SURFACE MEMBRANES | Polybond | ASTM D6222 | I | S | FL |
| | Polyflex | ASTM D6222 | I | S | FL |
| APP, GRANULE-SURFACE MEMBRANES | Polybond G | ASTM D6222 | I | G | FL |
| | Polyflex G | ASTM D6222 | I | G | FL |
| | Polyflex G FR | ASTM D6222 | I | G | FL |
| | Polyfresko G | ASTM D6222 | I | G | NV |
| | Polyfresko G FR | ASTM D6222 | I | G | NV |
| | Polyflex SA P | ASTM D6222 | I | G | FL, TX |
| | Polyflex SA P FR | ASTM D6222 | I | G | TX |
| | Polyfresko G SA | ASTM D6222 | I | G | NV |
| | Polyfresko G SA FR | ASTM D6222 | I | G | NV |

TABLE 1: EVALUATED MEMBRANES

| TYPE | PRODUCT | MATERIAL STANDARD | | | PLANT(S) |
|--------------------------------|---|-------------------|------|-------|----------|
| | | REFERENCE | TYPE | GRADE | |
| SBS, SMOOTH-SURFACE MEMBRANES | Elastoshield VP HT (formerly "Elastoshield HT") | ASTM D6162 | III | S | FL |
| | Elastobase V (formerly "Elastobase") | ASTM D6163 | I | S | FL |
| | Elastoflex V | ASTM D6163 | I | S | FL |
| | Elastoflex SA V (2.0mm) | ASTM D6163 | I | S | FL, TX |
| | Elastoflex SA V FR (2.0mm) | ASTM D6163 | I | S | FL, TX |
| | Elastoflex SA V Plus (2.5mm) | ASTM D6163 | I | S | FL, TX |
| | Elastoflex SA V Plus FR (2.5mm) | ASTM D6163 | I | S | FL, TX |
| | Elastobase P | ASTM D6164 | I | S | FL, TX |
| | Elastoflex SA Base | ASTM D6164 | I | S | PA, TX |
| | Elastoflex S6 | ASTM D6164 | I | S | FL |
| | Elastoshield TS | ASTM D6164 | I | S | PA |
| | Elastoflex S6 HP | ASTM D6164 | II | S | NV |
| SBS, GRANULE SURFACE MEMBRANES | Elastoshield HT G | ASTM D6162 | III | G | FL |
| | Elastoshield HT G FR | ASTM D6162 | III | G | FL |
| | Elastoflex V G | ASTM D6163 | I | G | FL, PA |
| | Elastoflex V G FR | ASTM D6163 | I | G | FL, PA |
| | Elastoflex S6 G | ASTM D6164 | I | G | FL, PA |
| | Elastoflex S6 G FR | ASTM D6164 | I | G | FL |
| | Polyfresko G SBS | ASTM D6164 | I | G | NV |
| | Polyfresko G SBS FR | ASTM D6164 | I | G | NV |
| | Elastoshield TS G | ASTM D6164 | I | G | FL, TX |
| | Elastoshield TS G FR | ASTM D6164 | I | G | FL, TX |
| | Elastoflex SA P | ASTM D6164 | I | G | FL, TX |
| | Elastoflex SA P FR | ASTM D6164 | I | G | FL, TX |
| | Polyfresko G SBS SA | ASTM D6164 | I | G | NV |
| | Polyfresko G SBS SA FR | ASTM D6164 | I | G | NV |

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is exclusively for use in High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under [Testing Application Standard TAS 114, Appendix J](#). Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to [Roofing Application Standard RAS 111](#) for requirements and limitations regarding edge securement for low-slope roofs.

- 5.6 Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, at the discretion of the Authority Having Jurisdiction, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly to the satisfaction of the Authority Having Jurisdiction.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per [Testing Application Standard TAS 114](#) has already been applied). Refer to **FBC HVHZ 1620** and [Roofing Application Standard RAS 128](#) for determination of design wind loads.
- 5.7.2 For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or [Roofing Application Standard RAS 128](#). Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with [Roofing Application Standard RAS 117](#) or [RAS 137](#). **This extrapolation is not permitted for systems marked with an asterisk*.*
- 5.7.3 For tables and/or assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on [Page 1](#) of this PEER.

6. INSTALLATION:

Polyglass Modified Bitumen Roof Systems shall be installed in accordance with **Polyglass USA, Inc.** published installation instructions, subject to the [Limitations of Use](#) noted herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to [Section 4](#) herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

[UL \(QUA9625\)](#): (360) 817-5512; bsai.inspections@ul.com

- THE 96-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|--------------------|--------------------------------|-----------------------------------|------|--|------|
| 1A | Wood | New, Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 9 |
| 1B | Wood | New, Reroof (Tear-Off) or Recover | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation, Bonded Roof Cover | 10 |
| 1C | Wood | New or Reroof (Tear-Off) | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 11 |
| 1D | Wood | New, Reroof (Tear-Off) or Recover | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 13 |
| 1E | Wood | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 14 |
| 1F | Wood | New, Reroof (Tear-Off) or Recover | D-2 | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 17 |
| 1G | Wood | New or Reroof (Tear-Off) | E-2 | Non-Insulated, Mechanically Attached Base Sheet (nails), Bonded Roof Cover | 20 |
| 1H | Wood | New, Reroof (Tear-Off) or Recover | E-2 | Non-Insulated, Mechanically Attached Base Sheet (screws), Bonded Roof Cover | 27 |
| 2A | Steel | New, Reroof (Tear-Off) | A-2 | Bonded Vapor or Air Barrier, Bonded Insulation(s), Bonded Roof Cover | 21 |
| 2B | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 28 |
| 2C | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 38 |
| 2D | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | D-2 | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 45 |
| 2E | Steel or Structural concrete | New, Reroof (Tear-Off) or Recover | D-2 | Insulated, Mechanically Attached Velociflex, Bonded Roof Cover | 46 |
| 3A | Structural Concrete | New or Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 49 |
| 3B | Structural Concrete | New or Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 64 |
| 4A | Deck with Lightweight concrete | New or Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 65 |
| 4B | Deck with Lightweight concrete | New or Reroof (Tear-Off) | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 71 |
| 4C | Deck with Lightweight concrete | New or Reroof (Tear-Off) | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 72 |
| 4D | Deck with Lightweight concrete | New or Reroof (Tear-Off) | E-2 | Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, LWC, Mechanically Attached Base Sheet, Bonded Roof Cover | 75 |
| 4E | Deck with Lightweight concrete | New or Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 76 |
| 5A | Cementitious wood fiber | Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 77 |
| 5B | Cementitious wood fiber | Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 78 |
| 5C | Cementitious wood fiber | Reroof (Tear-Off) or Recover | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 79 |
| 5D | Cementitious wood fiber | Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 80 |
| 5E | Cementitious wood fiber | Reroof (Tear-Off) or Recover | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 80 |
| 6A | Existing gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 81 |
| 6B | Existing gypsum | New, Reroof (Tear-Off) or Recover | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 85 |
| 6C | Existing gypsum | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 85 |
| 6D | Existing gypsum | New, Reroof (Tear-Off) or Recover | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 85 |
| 6E | Existing gypsum | Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 85 |
| 7A | Various | Recover | A-1 | Bonded Insulation, Bonded Roof Cover | 86 |
| 7B | Various | Recover | F | Non-Insulated, Bonded Roof Cover | 96 |

The following notes apply to the systems outlined herein:

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. 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.

| POLYGLASS AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J) | | | | |
|---|----------------------------------|---------------------------------|-------------------------------------|------------------------------------|
| TYPE | TESTED SPAN (FT O.C.) | TESTED FASTENER | TESTED FASTENER SPACING (INCH O.C.) | AS-TESTED ALLOWABLE PRESSURE (PSF) |
| Min. 15/32-inch APA rated CDX plywood | 2 | 8d ring shank nails | 6 | -105.0 |
| | 2 | #10 wood screws | 6 | -90.0 |
| | 2 | #10 wood screws | 4 | -120.0 |
| | 2 | #8 wood screws | 6 | -127.5 |
| | 2 ft o.c., and blocked 4 ft o.c. | #10 wood screws | 4 | -142.5 |
| Min. 19/32-inch APA rated CDX plywood | 2 | 8d ring shank nails | 6 | -60.0 |
| | 2 | #10 wood screws | 6 | -127.5 |
| Min. 22 ga., Type B, Grade 33 steel | 6 | #12 HWH Tek 5 | 6 | -112.5 |
| Min. 22 ga., Type B, Grade 40 steel | 6 | 5/8" puddle welds | 6 | -97.5 |
| | 6 | #12 HWH Tek 5 with 3/4" washers | 6 | -135.0 |
| Min. 22 ga., Type B, Grade 50 steel | 6 | 5/8" puddle welds | 6 | -105.0 |
| Min. 22 ga., Type B, Grade 80 steel | 6 | 5/8" puddle welds | 6 | -127.5 |

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

| FASTENER/PLATE OPTIONS | | | | |
|------------------------|-------------------------------------|----------------|--|--|
| DECK TYPE | By | FBC HVHZ | PARTS | MINIMUM ENGAGEMENT |
| Wood | Altenloh, Brinck and Co. U.S., Inc. | NOA 24-0227.06 | Trufast #14 HD with Trufast 3" Metal Insulation Plate | Minimum 3/4-inch plywood penetration or minimum 1-inch wood plank embedment |
| | OMG, Inc. | NOA 23-0718.03 | OMG #14 Heavy Duty with OMG 3 in. Round Metal Plate | |
| | Polyglass USA | N/A | OMG #14 Roofgrip with OMG Accutrac Flat Bottom | |
| | SFS Group USA, Inc. | NOA 22-0913.02 | #14 Polygrip with 2 7/8 in. Polygrip Hex Plate | |
| Steel | Altenloh, Brinck and Co. U.S., Inc. | NOA 24-0227.06 | Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3 | Minimum 3/4-inch steel penetration and engage the top flute of the steel deck |
| | OMG, Inc. | NOA 23-0718.03 | Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | |
| | Polyglass USA | N/A | OMG #14 Heavy Duty with OMG 3 in. Round Metal Plate | |
| | SFS Group USA, Inc. | NOA 22-0913.02 | OMG #12 Roofgrip, #14 Roofgrip or #15 Roofgrip with OMG Accutrac Flat Bottom | |
| Structural Concrete | Altenloh, Brinck and Co. U.S., Inc. | NOA 24-0227.06 | #12 Polygrip, #14 Polygrip or #15 Polygrip with 2 7/8 in. Polygrip Hex Plate | Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |
| | OMG, Inc. | NOA 23-0718.03 | Dekfast DF-#12-PH3, DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3 | |
| | Polyglass USA | N/A | OMG #14 Heavy Duty or CD-10 with OMG 3 in. Round Metal Plate | |
| | SFS Group USA, Inc. | NOA 22-0913.02 | OMG #14 Roofgrip with OMG Accutrac Flat Bottom | |
| | | | #14 Polygrip with 2 7/8 in. Polygrip Hex Plate | |
| | | | Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3 | |

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

- 4 Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with [Testing Application Standard](#) TAS 105 and [Roofing Application Standard](#) RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5 Preliminary insulation attachment: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
- 6 Unless otherwise noted, insulation adhesive application rates are as follows.
- ✓ Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
 - ✓ If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
 - ✓ When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
 - ✓ The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

| INSULATION ADHESIVE REFERENCES | | | | |
|--------------------------------|----------------|---|--------------|--|
| BY | FBC HVHZ | ADHESIVE | REFERENCE | MINIMUM RATE |
| Polyglass | N/A | Polyglass LRF M | P-LRFM | Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c. |
| | | Polyglass LRF M-PG | P-LRFM-PG | Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. |
| | | Polyglass LRF-PG ECO | P-LRF-PG-ECO | Continuous 1 to 1.5-inch wide ribbons, 12-inch o.c. |
| | | Polyglass LRF CR | P-LRF-CR | Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c. |
| Dupont de Nemours | FL720 | INSTA STIK Quik Set Insulation Adhesive | INSTA STIK | Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. |
| OMG, Inc. | NOA 24-0422.18 | OlyBond 500 Adhesive Fastener | OB500 | Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister) |
| Generic, ASTM D312, Type IV | N/A | hot asphalt | | Full coverage at 25-30 lbs/square |

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

| MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS | | | | |
|--|--|----------------|-----------------------------|-----------|
| ADHESIVE | INSULATION | | MIN. TAPERED THICKNESS (IN) | MDP (psf) |
| | LISTED PRODUCT | FBC HVHZ | | |
| P-LRFM | Any polyisocyanurate listed with adhesive herein | Various | 0.5 | -157.5 |
| P-LRFM-PG | Any polyisocyanurate listed with adhesive herein | Various | 0.5 | -157.5 |
| P-LRF-CR | Any polyisocyanurate listed with adhesive herein | Various | 1.0 | -117.5 |
| OB500 | Rmax Multi-Max FA3 | NOA 22-0815.03 | 0.5 | -45.0 |
| OB500 | Polytherm-H | N/A | 0.5 | -315.0 |
| OB500 | Johns Manville ENRGY 3 | NOA 18-0501.05 | 0.5 | -315.0 |
| OB500 | Polytherm | N/A | 0.5 | -487.5 |

- 8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
- 9 For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC HVHZ 1620 or [Roofing Application Standard](#) RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with [Roofing Application Standard](#) RAS 117 or RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*

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

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|---|---|--|-----------------------------------|
| REFERENCE | LAYER | MATERIAL | APPLICATION |
| BP-AA | Base Ply | One or more plies Polyglass G2 Base, FBC Approved ASTM D4601, Type II | Hot Asphalt at 20-40 lbs/square |
| | Ply | One or more plies Polyglass Ply IV, Polyglass Ply VI, FBC Approved ASTM D2178, Type IV or VI | |
| Note: Asphalt-applied sheets or insulation shall not be applied to poly-film surfaced membranes. | | | |
| SBS-CA1 | Base Ply | One ply Elastobase V (sand/sand), Elastoflex V, Elastoflex S6, Elastoflex S6 HP, Elastoshield VP HT | PG350 at 1.5-2.0 gal/square |
| | Cap Ply | Elastoshield HT G, Elastoshield HT G FR, Elastoflex V G, Elastoflex V G FR, Elastoflex S6, Elastoflex S6 HP, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS G, Elastoshield TS G FR, Polyfresko G SBS (sand-backed), Polyfresko G SBS FR (sand-backed) | |
| SBS-CA2 | Base Ply | One ply Elastobase V (sand/sand), Elastoflex V, Elastoflex S6, Elastoflex S6 HP | Polyplus 35 at 1.5-2.0 gal/square |
| | Cap Ply | Elastoshield HT G, Elastoshield HT G FR, Elastoflex V G, Elastoflex V G FR, Elastoflex S6, Elastoflex S6 HP, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS G, Elastoshield TS G FR, Polyfresko G SBS (sand-backed), Polyfresko G SBS FR (sand-backed) | |
| SBS-AA | Base Ply or Ply | One or more plies Elastobase V (sand/sand or poly/sand), Elastobase P (sand/sand or poly/sand), Elastoflex V, Elastoflex S6, Elastoflex S6 HP, Elastoshield VP HT | Hot Asphalt at 20-40 lbs/square |
| | Cap Ply | Elastoshield HT G, Elastoshield HT G FR, Elastoflex V, Elastoflex V G, Elastoflex V G FR, Elastoflex S6, Elastoflex S6 HP, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS G, Elastoshield TS G FR, Polyfresko G SBS (sand-backed), Polyfresko G SBS FR (sand-backed) | |
| | Note: Asphalt-applied sheets or insulation shall not be applied to poly-film surfaced membranes. | | |
| SBS-TA | Base Ply or Ply | One or more plies Elastobase V (sand/poly), Elastobase V (poly/poly), Elastoflex V, Elastoflex S6, Elastoflex S6 HP, Elastoshield VP HT, Elastoshield TS | Torch-Applied |
| | Cap Ply | Elastoshield HT G, Elastoshield HT G FR, Elastoflex V, Elastoflex V G, Elastoflex V G FR, Elastoflex S6, Elastoflex S6 HP, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS G, Elastoshield TS G FR, Polyfresko G SBS (poly-film backed), Polyfresko G SBS FR (poly-film backed) | |

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|----------------------------------|-----------------|---|---|
| REFERENCE | LAYER | MATERIAL | APPLICATION |
| SBS-SA | Base Ply | One or more plies Elastobase SA, Elastoflex SA V (2.0mm), Elastoflex SA V FR (2.0mm), Elastoflex SA V Plus (2.5mm), Elastoflex SA V Plus FR (2.5mm) or Elastoflex SA Base | Self-Adhering |
| | Cap Ply | Elastoflex SA P, Elastoflex SA P FR, Polyfresko G SBS SA, Polyfresko G SBS SA FR | |
| | Note: | Unless otherwise noted, permissible membrane substrates for SBS-SA are limited to the SBS-SA Base Ply options herein, Elastobase V or Elastobase P with a poly-film top surface. | |
| APP-CA1 | Cap Ply | Polyflex G FR | PG350 at 1.5-2.0 gal/square |
| APP-TA | Base Ply or Ply | One or more plies Polybase V, Polyflex, Polybond | Torch-Applied |
| | Cap Ply | Polyflex, Polyflex G, Polyflex G FR, Polybond, Polybond G, Polyfresko G, Polyfresko G FR | |
| APP-SA | Cap Ply | Polyflex SA P, Polyflex SA P FR, Polyfresko G SA, Polyfresko G SA FR, Polykool | Self-Adhering |
| | Note: | Unless otherwise noted, permissible membrane substrates for APP-SA are limited to the SBS-SA Base Ply options herein, Elastobase V or Elastobase P with a poly-film top surface. | |
| SBS-LRF-CR | Base Ply | Modifleece | Polyglass LRF CR, spatter-applied at 3.75 lbs/square |
| SBS-LRF-M-PG | Base Ply | Modifleece | Polyglass LRF M-PG, Low-Pressure Spray at 0.55 to 0.75 gal/square |
| SBS-LRF-PG-ECO | Base Ply | Modifleece | Polyglass LRF-PG ECO, spatter-applied at 0.3 gal./square |

15A DETEC Systems “TruGround® Conductive Primer” may be applied to DensDeck Prime and SECURROCK Gypsum-Fiber Roof Board with no adverse effect on system wind uplift performance.

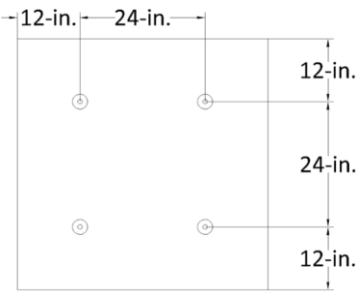
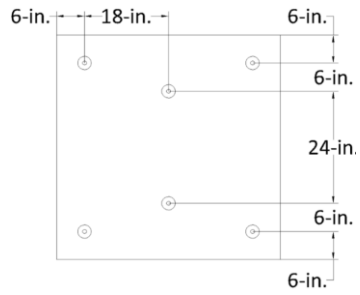
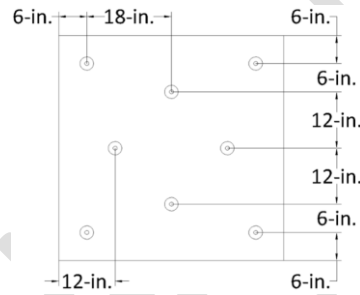
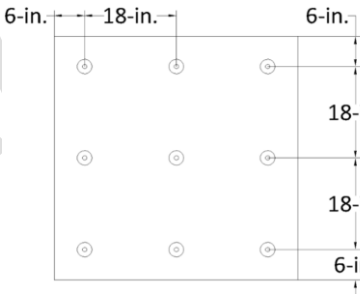
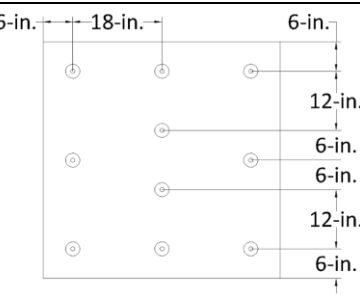
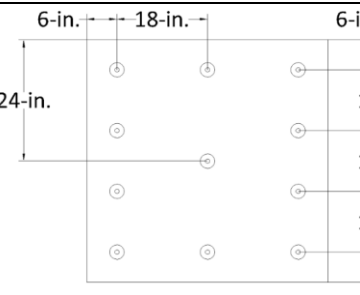
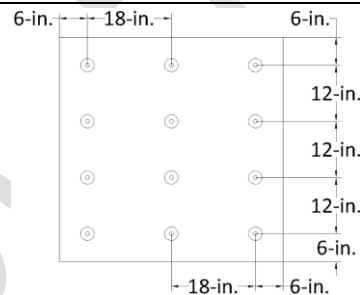
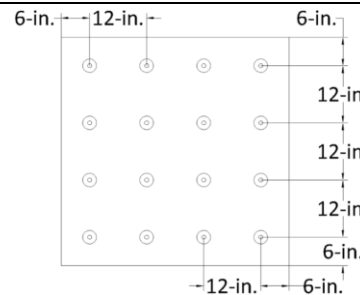
15B Surfacing materials which hold current FBC Approval for use over modified bitumen membranes may be applied to the Cap Ply without adverse effect on the system wind load performance. Refer to current Polyglass or KM Coatings [Florida Product Approval](#) or [Miami-Dade NOA](#) for approved surfacing materials and a Roofing Materials Directory for fire ratings associated with surfacing usage.

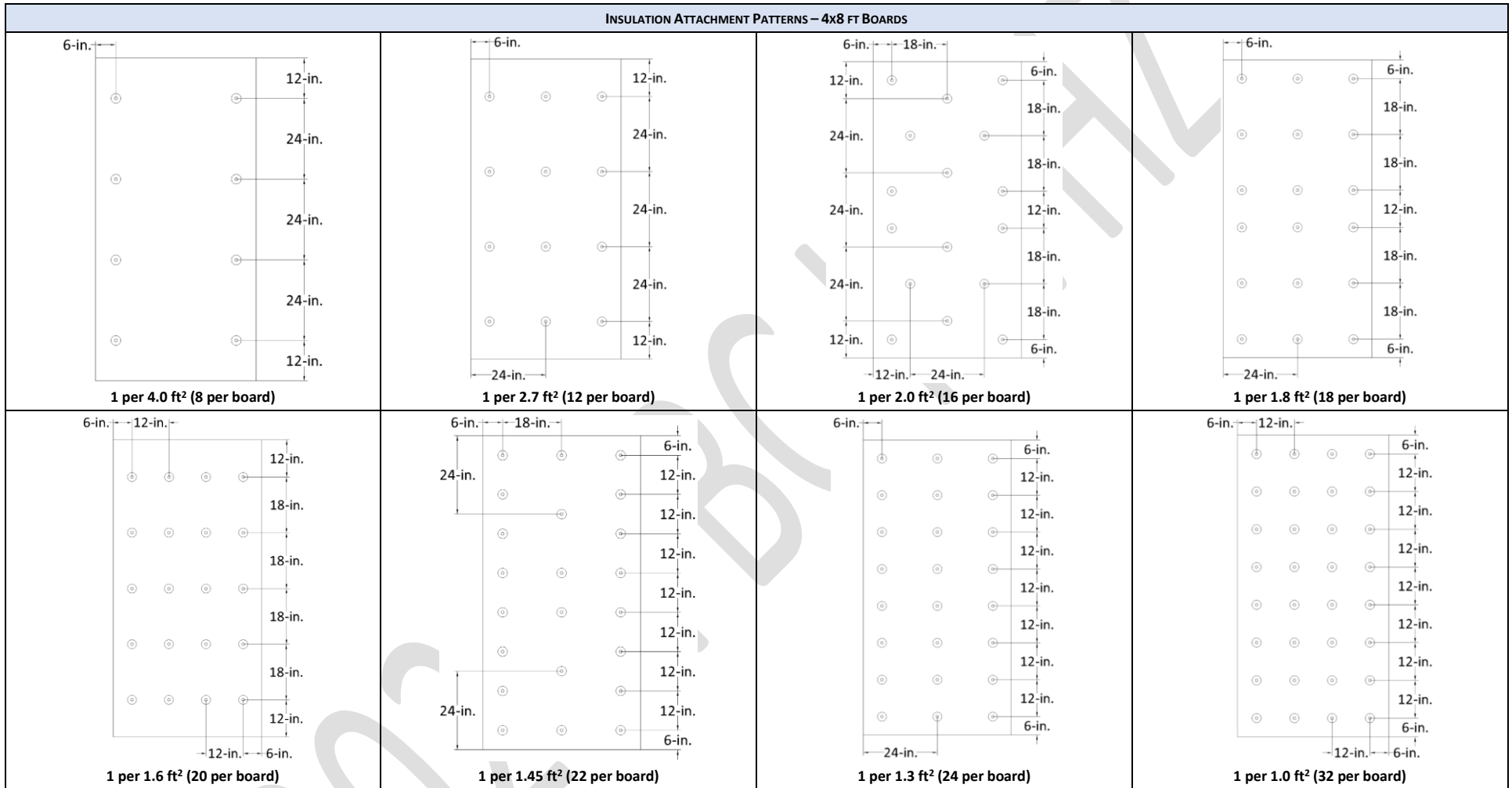
16 **Thermal Barrier and/or Vapor or Air Barrier Options:**

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

| VAPOR OR AIR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; ADHERED INSULATION | | | | | |
|--|-------------------|---|---------------|---|------------|
| OPTION # | PRIMER | VAPOR OR AIR BARRIER | | INSULATION ADHESIVE PER TABLE 3A (NOTES 6,7,8) | MDP (psf)* |
| | | TYPE | APPLICATION | | |
| C-VB-1. | PG100 | Elastoflex SA V (2.0mm) | Self-Adhering | INSTA STIK or P-LRF-CR, 12-inch o.c. | -60.0 |
| C-VB-2. | PG100 | Polybase V | Torch-applied | INSTA STIK or P-LRF-CR, 12-inch o.c. | -75.0 |
| C-VB-3. | PG100 | Elastoflex SA P, Polyfresko G SBS SA | Self-Adhering | INSTA STIK, 12-inch o.c. | -75.0 |
| C-VB-4. | PG100 | Polyflex or Polybond | Torch-applied | P-LRFM, M-PG-1, OB500 or P-LRF-CR, 12-inch o.c. | -135.0 |
| C-VB-5. | PG100 | Elastoflex SA P, Polyfresko G SBS SA | Self-Adhering | P-LRFM, 12-inch o.c. | -157.5 |
| C-VB-6. | PG100 | Polyflex or Polybond | Torch-applied | P-LRFM, M-PG-1, OB500 or P-LRF-CR, 6-inch o.c. | -185.0 |
| C-VB-7. | None | PolyVap SA S | Self-adhering | P-LRFM or P-LRFM-PG, 6-inch o.c. | -202.5 |
| C-VB-8. | PG100 | Elastoflex SA P, Polyfresko G SBS SA | Self-Adhering | P-LRF-CR, 12-inch o.c. | -270.0 |
| C-VB-9. | PG100 | Elastobase SA, Elastoflex SA V (2.0mm), Elastoflex SA V FR (2.0mm), Elastoflex SA V Plus (2.5mm) or Elastoflex SA V Plus FR (2.5mm) (with sanded-top-surface) | Self-Adhering | P-LRFM, M-PG-1, OB500 or P-LRF-CR, 12-inch o.c. | -240.0 |
| C-VB-10. | PG100 | SBS-TA (with sanded-top-surface) | Torch-applied | P-LRFM, M-PG-1, OB500 or P-LRF-CR, 12-inch o.c. | -240.0 |
| C-VB-11. | PG100 or ASTM D41 | Elastoflex S6 (with sanded-top-surface) | Torch-applied | P-LRFM-PG, P-LRF-PG-ECO or P-LRF-CR, 12-inch o.c. | -330.0 |

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

| INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS | | | |
|---|--|---|---|
|  <p>1 per 4.0 ft² (4 per board)</p> |  <p>1 per 2.7 ft² (6 per board)</p> |  <p>1 per 2.0 ft² (8 per board)</p> |  <p>1 per 1.8 ft² (9 per board)</p> |
|  <p>1 per 1.6 ft² (10 per board)</p> |  <p>1 per 1.45 ft² (11 per board)</p> |  <p>1 per 1.3 ft² (12 per board)</p> |  <p>1 per 1.0 ft² (16 per board)</p> |

INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS


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

| ACCEPTABLE ALTERNATES | | | | |
|-----------------------------|----------------|---|---------------------------------------|----------------|
| SUB-CATEGORY | By | LISTED PRODUCT HEREIN | ALTERNATE | FBC HVHZ |
| ACCESSORIES: | Polyglass USA | PolyVap SA S | VaproShield BlockShield SA | FBC FL46829 |
| ADHESIVES | Polyglass USA | Polyglass LRF M (henceforth 'P-LRFM') | Millennium One Step Foamable Adhesive | NOA 21-1018.06 |
| | | Polyglass LRF M-PG (henceforth 'P-LRFM-PG') | Millennium PG-1 Pump Grade Adhesive | |
| | | Polyglass LRF-PG ECO | Millennium PG-1 EF ECO | NOA 21-1115.05 |
| | | Polyglass LRF CR (henceforth 'P-LRF-CR') | Polysset Commercial Roof Adhesive | |
| ROOFING INSULATION | Polyglass USA | Polytherm | ACFoam II | NOA 24-0215.03 |
| | | Polytherm G | ACFoam III | NOA 24-0422.09 |
| | | Polytherm-H | H-Shield | |
| | | Polytherm CG | H-Shield CG | |
| | Polytherm HD | H-Shield HD | NOA 22-1223.04 | |
| Georgia-Pacific Gypsum, LLC | DensDeck Prime | DensDeck StormX Prime Roof Board | | |
| ROOFING FASTENER | Polyglass USA | #12 Polygrip | Dekfast DF-#12-PH3 | NOA 22-0913.02 |
| | | #14 Polygrip | Dekfast DF-#14-PH3 | |
| | | #15 Polygrip | Dekfast DF-#15-PH3 | |
| | | Polygrip Hex Plate | Dekfast PLT-H-2-7/8 | |

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

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|--|-------------------------------------|--|---|--|---|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY | | | | | | | | | | |
| W-1. | Min. 19/32-inch APA rated CDX plywood | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | #12 Polygrip with Polygrip Hex Plate or Trufast #12 DP with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-2. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board | Hot asphalt | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| W-3. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Min. 2-inch Polytherm or Polytherm-H | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |

TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Thermal Barrier | | | Primer | Vapor or Air Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|---|--|-------------------------------------|--------|-----------------------------|---|---|--|-------------------------------------|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | | | | |
| W-4. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -60.0 |
| W-5. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | | |
| W-6. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| W-7. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -75.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | | | |
| W-8. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |
| W-9. | Min. 19/32-inch, APA rated CDX, 4-ply plywood | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Trufast Versa-Fast Fasteners and Plates; two (2) fasteners per plate | 1 per 1.45 ft ² | None | PolyVap SA S, self-adhering | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|---|---|--|--|--|---|--------------------------------------|--|------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | | | | |
| W-10. | Min. 19/32-inch APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top), Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-11. | Min. 19/32-inch APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top), Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-12. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in four (4), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -67.5 |
| W-13. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top) or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in five (5) equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -90.0 |
| W-14. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | Min. 2-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | INSTA STIK, OB500, P-LRF-CR or P-LRFM, atop fastener rows, 7-inch o.c. | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK, OB500, P-LRF-CR or P-LRFM | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0* |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | | |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---------------------------------------|--|---|---|--|--|---|---|--|-------------------------------------|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-15. | Min. 19/32-inch APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top), Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0 |
| W-16. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | Min. 2-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | INSTA STIK, OB500, P-LRF-CR or P-LRFM, atop fastener rows, 7-inch o.c. | (Optional) Additional layers of base insulation | INSTA STIK, OB500, P-LRF-CR or P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0* |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | | | |
| W-17. | Min. 19/32-inch APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top), Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm H or Polytherm CG | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |
| W-18. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | INSTA STIK, OB500, P-LRF-CR or P-LRFM, atop fastener rows, 7-inch o.c. | (Optional) Additional layers of base insulation | OB500, P-LRF-CR or P-LRFM | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0* |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|--|---|---|---|--|---|--------------------------------------|--|--------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | | | | |
| W-19. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top) or Elastovent | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-20. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-21. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-22. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P (sanded-top) or Elastovent | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -82.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | | |
| W-23. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Polytherm CG, ENRGY-3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | | | |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---------------------------------------|---|--|---|---|----------------------|--|----------------------|--|-------------------------------------|----------------------------------|-----------|
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-24. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (sanded-top) or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or Polytherm CG | Hot asphalt | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|---|---|---------------------------|--|---|------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | |
| W-25. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-26. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| W-27. | Min. 19/32-inch APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip with Polygrip Hex Plate | 1 per 1.3 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -82.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| W-28. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#14-PH3 with PLT-R-3, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or Accutrac Flat Bottom Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | None | SBS-SA | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|---|---|---------------------------|----------------------|--|----------------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| W-29. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or Accutrac Flat Bottom Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | None | SBS-SA | -45.0 |
| W-30. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or Accutrac Flat Bottom Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-SA | (Optional when using torch-applied Cap Ply) SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |
| W-31. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-SA | (Optional when using torch-applied Cap Ply) SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |
| W-32. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | Note 2 (#14 only) | 1 per 1.6 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |
| W-33. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | Note 2 (#14 only) | 1 per 1.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| W-34. | Min. 19/32-inch APA rated plywood | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, Multi-Max FA3 or Ultra-Max optionally primed with POLYBRITE 745 or WB3000 | Trufast Versa Fastener (min. 3/8" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5* |
| | | Note: | *For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 180 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF) | | | | | | |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3 , Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|---|---|--|---------------------------------------|--|-------------------------------------|----------------------------------|--------------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| W-35. | Min. 19/32-inch APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, Multi-Max FA3 or Ultra-Max optionally primed with POLYBRITE 745 or WB3000Polytherm, Polytherm-H or ENRGY 3 | #12 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 with PLT-R-3, OMG #12 Roofgrip with OMG 3 in. Galvalume Plate (non-ribbed) or Accutrac Plate or Trufast #12 DP with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5* |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| W-36. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| W-37. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | Note 2 (#14 only) | 1 per 1.6 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |
| W-38. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 1.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |
| W-39. | Min. 19/32-inch APA rated plywood | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | Trufast Versa Fastener (min. ¾" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate | 1 per 1.3 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -67.5 |
| | | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 180 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | | |
| W-40. | Min. 19/32-inch APA rated CDX plywood | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 with PLT-R-3, OMG #12 Roofgrip with OMG 3 in. Galvalume Plate (non-ribbed) or Accutrac Plate or Trufast #12 DP with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -67.5 |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|--|------------------|---|--|--|--|--|------------------------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | |
| W-41. | Min. 19/32-inch APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with Accutrac Flat Bottom or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-42. | Min. 19/32-inch APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-43. | Min. 19/32-inch APA rated plywood | One or more layers, any combination | Loose-laid | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -67.5 |
| | | | | | | | | | |
| W-44. | Min. 19/32-inch APA rated plywood | One or more layers, any combination | Loose-laid | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | APP-TA | APP-TA | -67.5 |
| | | | | | | | | | |
| W-45. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| W-46. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polybase V | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) APP-TA | APP-TA | -75.0 |
| W-47. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Loose-laid | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -90.0 |
| | | | | | | | | | |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|--|------------------|---|--|--|--|--|------------------------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| W-48. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Loose-laid | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | APP-TA | APP-TA | -90.0 |
| | <i>Note:</i> *For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF) | | | | | | | | |
| W-49. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -90.0 |
| W-50. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polybase V | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | (Optional) APP-TA | APP-TA | -90.0 |
| W-51. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) BP-AA or SBS-AA | SBS-AA | -90.0 |
| W-52. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA or APP-TA | -90.0 |
| W-53. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) APP-TA | APP-TA | -90.0 |
| W-54. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Loose-laid | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -105.0 |
| | <i>Note:</i> *For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF) | | | | | | | | |
| W-55. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Loose-laid | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | APP-TA | APP-TA | -105.0 |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3 , Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|---|---|------------------|--|--|--|--|----------------------------------|--------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | | | |
| W-56. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | (Optional) BP-AA or SBS-AA | SBS-AA | -120.0 |
| W-57. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA or APP-TA | -120.0 |
| W-58. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | (Optional) APP-TA | APP-TA | -120.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| W-59. | Min. 19/32-inch APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P (poly-film top) | #14 Polygrip with Polygrip Hex Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -52.5* |
| W-60. | Min. 19/32-inch APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P (poly-film top) | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -60.0* |
| W-61. | Min. 19/32-inch APA rated plywood | One or more layers, any combination | Loose-laid | Elastobase V, Elastobase P (poly-film top) | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | | | |
| W-62. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | One or more layers, any combination | Prelim. Attached | Elastobase P (poly-film top) | Note 2 (#14 only) | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at three (3), equally spaced center rows | SBS-SA or SBS-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -127.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|---|---|---|--------------------------------------|--|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| NO BASE PLY: | | | | | | | |
| W-63. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-64. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None | SBS-SA, APP-SA | -60.0 |
| W-65. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in four (4), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -67.5 |
| W-66. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in four (4), equally spaced, staggered center rows | None | APP-TA | -67.5 |
| W-67. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. | 4-inch o.c. in 4-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows | None | SBS-SA, APP-SA | -97.5 |
| W-68. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -112.5 |
| W-69. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. <i>Note: Tin caps are to be primed with PG100 or ASTM D41 primer.</i> | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | None | SBS-SA, APP-SA | -112.5 |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | |
| W-70. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-71. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in four (4), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -67.5 |
| W-72. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in four (4), equally spaced, staggered center rows | APP-TA | APP-TA | -67.5 |
| W-73. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -112.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|---|---|---|--|--|----------------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| SELF-ADHERING BASE PLY: | | | | | | | |
| W-74. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | PolyAnchor, loose-laid with 4-inch laps followed by Elastobase SA, self-adhered | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 6-inch o.c. at min. 4-inch lap and 9-inch o.c. at three (3), equally spaced, staggered center rows | SBS-SA | SBS-SA | -45.0* |
| W-75. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0 |
| W-76. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 7-inch o.c. at min. 4-inch lap and 7-inch o.c. at four (4), equally spaced center rows | SBS-SA or SBS-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -75.0 |
| W-77. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. | 4-inch o.c. in 4-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -97.5 |
| W-78. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | 32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. <i>Note: Tin caps are to be primed with PG100 or ASTM D41 primer.</i> | 6-inch o.c. in 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | Elastoflex SA V (2.0mm), Elastoflex SA V FR (2.0mm), Elastoflex SA V Plus (2.5mm) or Elastoflex SA V Plus FR (2.5mm) | SBS-SA, APP-SA, SBS-TA, APP-TA | -112.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---------------------|---------------------------------------|---|--|--|--------------------------------------|------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| NO BASE PLY: | | | | | | | |
| W-79. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with Accutrac Flat Bottom or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-80. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-81. | Min. 19/32-inch APA rated plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -67.5 |
| | | <i>Note: *For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|--|--|--------------------------------------|------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| W-82. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | None | SBS-SA, APP-SA | -67.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | |
| W-83. | Min. 19/32-inch APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | None | APP-TA | -67.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF)</i> | | | | | |
| W-84. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -75.0 |
| W-85. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | None | APP-TA | -75.0 |
| W-86. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -90.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-87. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | None | APP-TA | -90.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-88. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -90.0 |
| W-89. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | None | APP-TA | -90.0 |
| W-90. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | None | SBS-AA | -90.0 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|--|--|--|--------------------------------------|--|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| W-91. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | None | SBS-AA, SBS-TA or APP-TA | -90.0 |
| W-92. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | None | APP-TA | -90.0 |
| W-93. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | None | SBS-AA, SBS-TA, APP-TA | -105.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-94. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | None | APP-TA | -105.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-95. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | None | SBS-AA | -120.0 |
| W-96. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | None | SBS-AA, SBS-TA or APP-TA | -120.0 |
| W-97. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | None | APP-TA | -120.0 |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | |
| W-98. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with Accutrac Flat Bottom or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-99. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-100. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -67.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|--|--|--------------------------------------|--|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-101. | Min. 19/32-inch APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | APP-TA | APP-TA | -67.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-102. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -75.0 |
| W-103. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | Note 2 | 10-inch o.c. in 4-inch lap and 10-inch o.c. in three (3), equally spaced, staggered center rows | APP-TA | APP-TA | -75.0 |
| W-104. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -90.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-105. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | APP-TA | APP-TA | -90.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-106. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polyglass G2 Base, Elastobase V, Elastobase P or Elastovent | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -90.0 |
| W-107. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | Note 2 | 9-inch o.c. in 4-inch lap and 9-inch o.c. in four (4), equally spaced, staggered center rows | APP-TA | APP-TA | -90.0 |
| W-108. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | BP-AA or SBS-AA | SBS-AA | -90.0 |
| W-109. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty (min. 1-5/8-inch long) with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -90.0 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|--|--|--------------------------------------|--|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| W-110. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | APP-TA | APP-TA | -90.0 |
| W-111. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Elastobase V, Elastobase P or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -105.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-112. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows | APP-TA | APP-TA | -105.0 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-113. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | BP-AA or SBS-AA | SBS-AA | -120.0 |
| W-114. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Elastobase V, Elastobase P or Elastovent | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-AA, SBS-TA, APP-TA | -120.0 |
| W-115. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood | Polybase V | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Round Metal Plate or OMG Flat Bottom Metal Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in five (5), equally spaced, staggered center rows | APP-TA | APP-TA | -120.0 |
| W-116. | Min. 19/32-inch APA rated plywood | Elastobase V (sanded top) or Elastovent | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 1 screws per plate in center hole* | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -127.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance</i> | | | | | |
| W-117. | Min. 19/32-inch APA rated plywood | Elastobase V (poly-film top) | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 1 screws per plate in center hole* | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows | SBS-TA | SBS-TA, APP-TA | -127.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance</i> | | | | | |
| W-118. | Min. 19/32-inch APA rated plywood | Polybase V | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 1 screws per plate in center hole* | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows | APP-TA | APP-TA | -127.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance</i> | | | | | |

SELF-ADHERING BASE PLY:

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|--|--|--------------------------------------|----------------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap | |
| W-119. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | PolyAnchor, loose-laid with 4-inch laps followed by Elastobase SA, self-adhered | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Galvalume Steel Plate (non-ribbed) | 9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA | -45.0* |
| W-120. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | #14 Polygrip with Polygrip Hex Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5* |
| W-121. | Min. 19/32-inch APA rated CDX plywood | Elastobase V, Elastobase P (poly-film top) | OMG #12 Roofgrip with OMG Accutrac Flat Bottom | 12-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0* |
| W-122. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | PolyAnchor, loose-laid with 4-inch laps followed by Elastobase SA, self-adhered | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Galvalume Steel Plate (non-ribbed) | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA | -60.0 |
| W-123. | Min. 19/32-inch APA rated plywood | Elastobase V, Elastobase P (poly-film top) | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet* | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce Minimum Characteristic Resistance Force (MCRF).</i> | | | | | |
| W-124. | Min. 19/32-inch APA rated CDX plywood | Elastobase V (poly-film top) | Trufast Versa Fastener (min. 3/4" penetration) & Plate; 1 screws per plate in center hole* <i>Note: Versa-Fast Plate shall be primed with PG100 or ASTM D41 primer.</i> | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA, APP-TA | -127.5 |
| | <i>Note:</i> | <i>*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf. Additional Versa-Fast Fastener within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance</i> | | | | | |
| W-125. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | PolyAnchor, loose-laid with 4-inch laps followed by Elastobase SA, self-adhered | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3" Galvalume Steel Plate (non-ribbed) | 8x8-inch grid pattern | SBS-SA | SBS-SA | -127.5 |
| W-126. | Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood | Elastobase P (poly-film top) | Note 2 (#14 only) | 9-inch o.c. at min. 4-inch lap and 9-inch o.c. at three (3), equally spaced center rows | SBS-SA or SBS-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -127.5 |

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

| System No. | Deck (Note 1) | Vapor or Air Barrier | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|---|-------------------------------------|---|---|--|--|--|--|-------------------------------------|----------------------------------|---------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY: | | | | | | | | | | |
| S-1. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm-H | P-LRFM or P-LRFM-PG, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -67.5 |
| S-2. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm or Polytherm-H | P-LRF-CR, spatter-applied for full-coverage | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, spatter-applied for full-coverage | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -90.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| S-3. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm-H | P-LRFM or P-LRFM-PG, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -67.5 |
| S-4. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm or Polytherm-H | P-LRF-CR, spatter-applied for full-coverage | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, spatter-applied for full-coverage | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -90.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| S-5. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm-H | P-LRFM or P-LRFM-PG, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -67.5 |
| S-6. | Min. 22 ga., Type B, Grade 40 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 2-inch Polytherm or Polytherm-H | P-LRF-CR, spatter-applied for full-coverage | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, spatter-applied for full-coverage | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -90.0 |
| S-7. | Min. 22 ga., Type B, Grade 80 steel | PolyVap SA S, self-adhering to top deck flanges | Min. 1.5-inch thick x max. 4 x 4 ft Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRFM, P-LRFM-PG, P-LRF-PG-ECO or P-LRF-CR, 6-inch o.c., ribbons positioned atop deck flanges | (Optional) additional layer(s) of base insulation | P-LRFM, P-LRFM-PG, P-LRF-PG-ECO or P-LRF-CR, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -127.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|--|---|---|--|---------------------------------------|--|---|---|--|----------------------------------|--------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | | | | | |
| S-8. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-9. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H or ENRGY 3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 4.0 ft ² | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-10. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime | Hot asphalt | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| S-11. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Hot asphalt | SBS-AA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |
| S-12. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |
| S-13. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | #14 Polygrip with Polygrip Hex Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -90.0 |
| S-14. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | #14 Polygrip with Polygrip Hex Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA (Top surface primed with PG100 primer) | SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -90.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|-------------------------------------|--|---|--------------------------------------|-------------------------------------|--------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-15. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.25-inch DensDeck Prime | Hot asphalt | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -105.0 |
| S-16. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Hot asphalt | SBS-AA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -105.0 |
| S-17. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -105.0 |
| S-18. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| S-19. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-20. | Min. 22 ga., type B, Grade 33 steel | Min. 2-inch Polytherm G, Polytherm-H or Polytherm CG | Trufast #14 MP fasteners with Trufast 3 in. Metal Insulation Plates | 1 per 4.0 ft ² | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|---|----------------------------------|---|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-21. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| S-22. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutracc Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-23. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutracc Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM-PG | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-24. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime | P-LRFM or P-LRFM-PG | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| S-25. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-AA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|-------------------------------------|---|---|--------------------------------------|-------------------------------------|--------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-26. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |
| S-27. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.25-inch DensDeck Prime | P-LRFM, 4-inch o.c. or P-LRFM-PG, 4-inch o.c. | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -105.0 |
| S-28. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM, 4-inch o.c. or P-LRFM-PG, 4-inch o.c. | SBS-AA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -105.0 |
| S-29. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM, 4-inch o.c. or P-LRFM-PG, 4-inch o.c. | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -105.0 |
| S-30. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| S-31. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrak Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-32. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|--|--|-------------------------------------|---|---|--------------------------------------|-------------------------------------|---------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-33. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrak Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-34. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| S-35. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |
| S-36. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm G or Polytherm-H | Dekfast DF-#14-PH3 with PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plate | 1 per 1.0 ft ² | Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -105.0 |
| S-37. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.25-inch DensDeck Prime | P-LRF-CR, 4-inch o.c. | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -105.0 |
| S-38. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, 4-inch o.c. | SBS-AA or SBS-TA | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -105.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| S-39. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board PRIMER: POLYBRITE 745 or WB3000 | INSTA STIK | SBS-SA | None | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|-------------------------------------|---|---|--------------------------------------|-----------------------------------|--------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-40. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |
| S-41. | Min. 22 ga., type B, Grade 33 steel | Min. 2-inch Polytherm G, Polytherm-H or Polytherm CG | Trufast #14 MP fasteners with Trufast 3 in. Metal Insulation Plates | 1 per 4.0 ft ² | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -45.0* |
| S-42. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board PRIMER: POLYBRITE 745 or WB3000 | P-LRFM or P-LRFM-PG | SBS-SA | None | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| S-43. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|-------------------------------------|--|---|--------------------------------------|-----------------------------------|--------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-44. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRFM-PG | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |
| S-45. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -75.0 |
| S-46. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM, 4-inch o.c. or P-LRFM-PG, 4-inch o.c. | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -105.0 |
| S-47. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board PRIMER: POLYBRITE 745 or WB3000 | OB500 | SBS-SA | None | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| S-48. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |
| S-49. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board PRIMER: POLYBRITE 745 or WB3000 | P-LRF-CR | SBS-SA | None | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|-------------------------------|---|--|--|-------------------------------------|--|---|--------------------------------------|-----------------------------------|--------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-50. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrak Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |
| S-51. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -75.0 |
| S-52. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm G or Polytherm-H | Dekfast DF-#14-PH3 with PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plate | 1 per 1.0 ft ² | Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -97.5 |
| S-53. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, 4-inch o.c. | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -105.0 |
| COLD-APPLIED BASE PLY: | | | | | | | | | | |
| S-54. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| S-55. | Min. 22 ga., type B, Grade 33 steel | Min. 2-inch Polytherm G, Polytherm-H or Polytherm CG | Trufast #14 MP fasteners with Trufast 3 in. Metal Insulation Plates | 1 per 4.0 ft ² | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-CA1 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|--|-------------------------------------|---|---|--|-------------------------------------|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-56. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| S-57. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| S-58. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| S-59. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRFM | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|-------------------------------------|---|--|-------------------------------------|--|---|--|-------------------------------------|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-60. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |
| S-61. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |
| S-62. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM, 4-inch o.c. or P-LRFM-PG, 4-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -105.0 |
| S-63. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |
| S-64. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch Polytherm G or Polytherm CG | #12 Polygrip or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Trufast #12 DP (steel only), Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 2.0 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard or min. 1-inch Polytherm G or Polytherm CG | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|---|---|----------------------------------|--|--------------------------------------|--|-------------------------------------|----------------------------------|-----------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| S-65. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.6 ft ² | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |
| S-66. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch Polytherm, Polytherm G or Polytherm-H | Dekfast DF-#14-PH3 with PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plate | 1 per 1.0 ft ² | Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -97.5 |
| S-67. | Min. 22 ga., type B, Grade 40 steel | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm-CG | Trufast #15 EHD with Trufast 3" Metal Insulation Plate or Trufast 3" Recessed Metal Plate | 1 per 1.0 ft ² | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR, 4-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -105.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|--|---|---|---|--|----------------------------------|--|---|------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | | | | |
| S-68. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.75-inch JM Fesco Board (homogeneous) or min. 1.5-inch JM Fesco Board (laminated) | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-69. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 4.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-70. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 4.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|---|--|----------------------------------|--|---|------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-71. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch H-Shield WF | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 4.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-72. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | Trufast #14 MP fasteners and 3 in. Metal Insulation Plates | 1 per 1.8 ft ² | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| S-73. | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c. | One or more layers, any combination, min. 1.5" thick, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip, #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3, DF-#14-PH-3 or DF-#15-PH3 with PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 |
| S-74. | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c. | One or more layers, any combination, min. 1.5" thick, loose laid | Min. 0.25-inch DensDeck Prime | #12 Polygrip, #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3, DF-#14-PH-3 or DF-#15-PH3 with PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| S-75. | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c. | One or more layers, any combination, min. 1.5" thick, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip, #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3, DF-#14-PH-3 or DF-#15-PH3 with PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -67.5 |
| S-76. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate | 1 per 1.8 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| S-77. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -82.5 |

SELF-ADHERING BASE PLY:

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|---|--|----------------------------------|--------------------------------------|--|----------------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-78. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm or Polytherm-H | #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG AccuTrac Flat Bottom Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -45.0* |
| S-79. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | None | SBS-CA1, SBS-CA2, APP-CA1 | -45.0* |
| S-80. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0* |
| S-81. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#14-PH3 with PLT-R-3, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or Accutracs Flat Bottom Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | None | SBS-SA | -45.0 |
| S-82. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or Accutracs Flat Bottom Plate or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-SA | None | SBS-SA | -45.0 |
| S-83. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Accutracs Flat Bottom Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-SA | (Optional when using torch-applied Cap Ply) SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |
| S-84. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | Trufast #14 MP fasteners and 3 in. Metal Insulation Plates | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -45.0 |
| S-85. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-SA | (Optional when using torch-applied Cap Ply) SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|--|----------------------------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-86. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch, loose laid | Min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#14-PH3 with Dekfast PLT-R-3, OMG #14 Roofgrip with OMG 3" Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Flat Bottom Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -45.0 |
| S-87. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | #15 Polygrip with Polygrip Hex Plate, Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG #15 Roofgrip with OMG 3" Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Flat Bottom Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.45 ft ² | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -45.0 |
| S-88. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm or Polytherm-H | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -60.0 |
| S-89. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| S-90. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, Multi-Max FA3 or Ultra-Max optionally primed with POLYBRITE 745 or WB3000 | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with PLT-R-3, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Accutrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5* |
| S-91. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -72.5 |
| S-92. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA | SBS-TA | -75.0 |

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

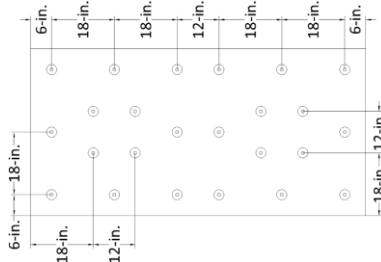
| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|---|---|--|--|---|----------------------------------|--|-------------------------------------|----------------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-93. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Accutrac Flat Bottom Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -90.0 |
| S-94. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -97.5 |
| COLD-APPLIED BASE PLY: | | | | | | | | | |
| S-95. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0* |
| S-96. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | Trufast #14 MP fasteners and 3 in. Metal Insulation Plates | 1 per 1.8 ft ² | SBS-CA1 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| S-97. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm-H | OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with Accutrac Flat Bottom or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0* |
| S-98. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0* |
| S-99. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch DensDeck Prime | Note 2 (#14 only) or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|--|---|----------------------------------|--|-------------------------------------|----------------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-100. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or OMG 3 in. Ribbed Galvalume Plate (Flat) | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| S-101. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch DensDeck Prime | OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Trufast #14 HD or Trufast #15 EHD Fastener with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| S-102. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Accutracc Flat Bottom or Trufast #14 HD or Trufast #15 EHD Fastener with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| S-103. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch, loose laid | Min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#14-PH3 with Dekfast PLT-R-3, OMG #14 Roofgrip with OMG 3" Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutracc Flat Bottom Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| S-104. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | #15 Polygrip with Polygrip Hex Plate, Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG #15 Roofgrip with OMG 3" Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutracc Flat Bottom Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.45 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| S-105. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm-H | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate | 1 per 2.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |
| S-106. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|--|---|---|----------------------------------|--|-------------------------------------|----------------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| S-107. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with PLT-R-3, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Accutrac Plate or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -67.5 |
| S-108. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | #12 Polygrip (steel only) or #14 Polygrip with Polygrip Hex Plate, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -72.5 |
| S-109. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate | 1 per 1.8 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -75.0 |
| S-110. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Accutrac Flat Bottom Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -90.0 |
| S-111. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1-inch, loose laid | Min. 0.25-inch Dens Deck Prime | #14 Polygrip or #15 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -97.5 |
| S-112. | Min. 22 ga., type B, Grade 80 steel | (Optional) One or more layers, any combination, loose laid | Min. 2-inch thick Polytherm, Polytherm G, Polytherm-H or Polytherm CG | #14 Polygrip or #15 Polygrip with 2 7/8 in. Polygrip Hex Plate, OMG #14 Heavy Duty or OMG #15 XHD with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Flat Bottom, SFS Dekfast DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3 or Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft ² | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -120.0 |



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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--|---|--|------------------|---|--|---|--|----------------------------------|--------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | | | | |
| S-113. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG Flat Bottom Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at 4-inch lap and 18-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| S-114. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG Flat Bottom Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| S-115. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastobase V, Elastobase P or Elastovent | Roofgrip #12 (steel only) or #14 with OMG Flat Bottom Plate (square) | 12-inch o.c. at 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| S-116. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Polybond, Polyflex | #14 Polygrip with Polygrip Hex Plate or OMG #14 Roofgrip with OMG Flat Bottom Plate | 12-inch o.c. at the 4-inch lap and 18-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -112.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| S-117. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastobase V or Elastobase P with poly top surface | #14 Polygrip with Polygrip Hex Plate, OMG #14 Roofgrip with OMG Flat Bottom Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -52.5* |
| S-118. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastobase V or Elastobase P with poly top surface | Roofgrip #12 (steel only) or #14 with OMG Flat Bottom Plate (square) | 12-inch o.c. at 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -60.0* |
| COLD-APPLIED BASE PLY: | | | | | | | | | |
| S-119. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose laid | Elastobase V | Trufast #12 DP (steel only), #14 HD or #15 EHD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at 4-inch lap and 12-inch o.c. at one staggered center row | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -45.0* |
| S-120. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose laid | Elastovent | Trufast #12 DP (steel only), #14 HD or #15 EHD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at one staggered center row | (Optional) SBS-CA1 | SBS-CA1, APP-CA1 | -45.0* |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|------------|---------------|--|--|---|---------------------------|--------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| S-121. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose laid | Elastobase V | Trufast #12 DP (steel only), #14 HD or #15 EHD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -67.5 |
| S-122. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose laid | Elastovent | Trufast #12 DP (steel only), #14 HD or #15 EHD with Trufast 3" Metal Insulation Plate | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | (Optional) SBS-CA1 | SBS-CA1, APP-CA1 | -67.5 |
| S-123. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose-laid | Elastoflex S6 | Trufast #12 DP (steel only) or Trufast #14 HD (steel or concrete) with Trufast 3" Metal Insulation Plate | 6-inch o.c. at min. 4-inch lap and 6-inch o.c. at one staggered center row | (Optional) Elastoflex S6 applied in PG350 at 1.5-2.0 gal/square | SBS-CA1 | -75.0* |
| S-124. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Loose-laid | Elastoflex S6 | Trufast #12 DP (steel only) or Trufast #14 HD (steel or concrete) with Trufast 3" Metal Insulation Plate | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two, equally spaced, staggered center rows | (Optional) Elastoflex S6 applied in PG350 at 1.5-2.0 gal/square | SBS-CA1 | -90.0* |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|-----------------------------------|---|--|------------------|------------------|--|--|----------------------|---------------------|--------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED: | | | | | | | | | |
| S-125. | Min. 22 ga., type B, 33 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Scoop Seam Plate or Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 12-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA | -45.0 |
| S-126. | Min. 22 ga., type B, 33 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 6-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA | -60.0 |
| S-127. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 18-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -60.0 |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3 , Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|-----------------------|---|---|------------------|----------------------------------|---|--|--|---------------------|--------------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| S-128. | Min. 22 ga., type B, 33 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 12-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -82.5 |
| S-129. | Min. 22 ga., type B, 33 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | Trufast #14 HD with Trufast 2.4" Barbed Metal Seam Plate | 6-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -82.5 |
| S-130. | Min. 22 ga., type B, 33 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoshield VP HT | #15 Polygrip with Dekfast PLT-O2-3/4-12B or Dekfast PLT-R-2-3/8-6B or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Barbed Metal Seam Plate, Trufast 2.4" Scoop Seam Plate or Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 12-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -82.5 |
| S-131. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination | Prelim. Attached | Polyflex | #15 Polygrip with Dekfast PLT-R-2-3/8-6B | 12-inch o.c. within the 5-inch wide, torch-sealed side lap | (Optional) APP-TA | SBS-TA, APP-TA | -82.5 |
| S-132. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Polybond or Polyflex | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4 in. Barbed Seam Plate | 12-inch o.c. within the 6-inch wide, torch-sealed side lap | (Optional) APP-TA | SBS-TA, APP-TA | -82.5 |
| S-133. | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoshield VP HT | #15 Polygrip with Dekfast PLT-O2-3/4-12B or Dekfast PLT-R-2-3/8-6B or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Barbed Metal Seam Plate, Trufast 2.4" Scoop Seam Plate or Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 6-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -97.5 |
| S-134. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 6-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-TA | SBS-TA (D6164 only) | -135.0 |
| SELF-ADHERING: | | | | | | | | | |
| S-135. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP (poly-film top) | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 18-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-SA | SBS-SA | -45.0 |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|----------------------|---|--|------------------|----------------------------------|--|--|---|---------|-----------|
| | | Type | Attach | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| S-136. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination | Loose-laid | Elastoflex S6 HP (poly-film top) | OMG Super XHD Fastener with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 18-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-SA | SBS-SA | -52.5 |
| S-137. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP (poly-film top) | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 12-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-SA | SBS-SA | -75.0 |
| S-138. | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP (poly-film top) | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 6-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) SBS-SA | SBS-SA | -90.0 |
| COLD-APPLIED: | | | | | | | | | |
| S-139. | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 18-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) Elastoflex S6 applied in PG350 at 1.5-2.0 gal/square | SBS-CA1 | -60.0 |
| | <i>Note:</i> | <i>When extrapolating base sheet attachment for this system for elevated pressure zones, any additional fastener rows installed in the center of the sheet shall be stripped-in with minimum 6-inch wide strips of torch-applied, sand-top-surfaced, Polyglass SBS modified bitumen membrane prior to placement of subsequent Base Ply or Cap Ply membranes in PG350 adhesive.</i> | | | | | | | |
| S-140. | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete | One or more layers, any combination | Prelim. Attached | Elastoflex S6 HP | OMG Super XHD Fastener (steel only) with OMG 2 3/4 Super XHD Barbed Stress Plate or Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2-3/4" Barbed Metal Seam Plate (EHD) | 12-inch o.c. within the 5-inch wide, torch-sealed or heat-welded side laps | (Optional) Elastoflex S6 applied in PG350 at 1.5-2.0 gal/square | SBS-CA1 | -82.5 |
| | <i>Note:</i> | <i>When extrapolating base sheet attachment for this system for elevated pressure zones, any additional fastener rows installed in the center of the sheet shall be stripped-in with minimum 6-inch wide strips of torch-applied, sand-top-surfaced, Polyglass SBS modified bitumen membrane prior to placement of subsequent Base Ply or Cap Ply membranes in PG350 adhesive.</i> | | | | | | | |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|-------------------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | |
| C-1 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | INSTA STIK | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-2 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | INSTA STIK | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| C-3 | Structural concrete | Min. 2-inch Polytherm or Polytherm-H | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-4 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch Dens Deck Prime | INSTA STIK | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-5 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | INSTA STIK | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-6 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-7 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | 0.5-inch SECUROCK Cement Roof Board | OB500 | SBS-TA | (Optional) SBS-TA | SBS-TA | -187.5 |
| C-8 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| C-9 | Structural concrete | Min. 2-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-10 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500, 6-inch o.c. | 0.5-inch SECUROCK Cement Roof Board | OB500, 6-inch o.c. | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| C-11 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch Dens Deck Prime | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-12 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-13 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-14 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRFM or P-LRFM-PG | 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-TA | (Optional) SBS-TA | SBS-TA | -187.5 |
| C-15 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| C-16 | Structural concrete | Min. 2-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-17 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRFM or P-LRFM-PG, 6-inch o.c. | 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| C-18 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch Dens Deck Prime | P-LRFM or P-LRFM-PG | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-19 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-20 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-21 | Structural concrete | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| C-22 | Structural concrete | Min. 2-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-23 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |
| C-24 | Structural concrete | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |
| C-25 | Structural concrete | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--|---|--------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-26 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-27 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | 0.5-inch SECUROCK Cement Roof Board | P-LRF-CR | SBS-TA | (Optional) SBS-TA | SBS-TA | -187.5 |
| C-28 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| C-29 | Structural concrete | Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-30 | Structural concrete | Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | APP-TA | (Optional) APP-TA | APP-TA | -232.5 |
| C-31 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR, 6-inch o.c. | 0.5-inch SECUROCK Cement Roof Board | P-LRF-CR, 6-inch o.c. | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| C-32 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch Dens Deck Prime | P-LRF-CR | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-33 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | P-LRF-CR | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-34 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| C-35 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -232.5 |
| C-36 | Structural concrete / PG100 | Min. 0.75-inch Fesco Board (homogeneous) | Hot asphalt | None | N/A | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -277.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|--|-------------------------------|---|--------------------------------------|--|--------------------------------------|--|---|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-37 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.75-inch Fesco Board (homogeneous) | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -290.0 |
| C-38 | Structural concrete / PG100 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | None | N/A | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -285.0 |
| C-39 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -480.0 |
| C-40 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck Prime | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -480.0 |
| C-41 | Structural concrete / PG100 | Min. 0.25-inch Dens Deck Prime | Hot asphalt | None | N/A | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -510.0 |
| SELF-ADHERING BASE PLY TO INSULATION: | | | | | | | | | |
| C-42 | Structural concrete | Min. 1.5-inch Polytherm-H or Multi-Max FA3 | INSTA STIK | (Optional) additional layer(s) of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5 |
| C-43 | Structural concrete | Min. 1.5-inch Polytherm-H | INSTA STIK | (Optional) additional layer(s) of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-44 | Structural concrete | Min. 1.5-inch Polytherm or ENRGY 3 | INSTA STIK | (Optional) additional layer(s) of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -135.0 |
| C-45 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | INSTA STIK | Min 1.5-inch Polytherm G or Polytherm CG | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-46 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | INSTA STIK | (Optional) additional layers of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-47 | Structural concrete | Min. 1.5-inch, Insulfoam IX | OB500 | (Optional) additional layers of base insulation | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -120.0 |
| C-48 | Structural concrete | Min. 1.5-inch Polytherm | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-49 | Structural concrete | Min. 1.5-inch ENRGY 3 | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -127.5 |
| C-50 | Structural concrete | Min. 1.5-inch Polytherm-H | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -150.0 |
| C-51 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | OB500 | Min 1.5-inch Polytherm G or Polytherm CG | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-52 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | OB500 | (Optional) additional layers of base insulation | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-53 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | (Optional) additional layers(s) of base insulation | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-54 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | Min 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-55 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | (Optional) additional layers of base insulation | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-56 | Structural concrete | Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | (Optional) additional layers(s) of base insulation | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -232.5 |
| C-57 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRFM or P-LRFM-PG | (Optional) additional layers(s) of base insulation, optionally primed with POLYBRITE 745 or WB3000 | P-LRFM or P-LRFM-PG | SBS-SA | None | SBS-CA1, SBS-CA2 | -290.0 |
| C-58 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-59 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min 1.5-inch Polytherm G | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-60 | Structural concrete | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | (Optional) additional layers of base insulation | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|--|-------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-61 | Structural concrete | Min. 1.5-inch Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -232.5 |
| C-62 | Structural concrete | Min. 1.5-inch Polytherm, EnergyGuard Polyiso Insulation, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | None | SBS-CA1, SBS-CA2 | -247.5 |
| C-63 | Structural concrete | Min. 1.5-inch Polytherm G or UltraMax | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | None | SBS-CA1, SBS-CA2 | -290.0 |
| C-64 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm-H | P-LRF-CR | (Optional) additional layers(s) of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-65 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRF-CR | Min 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-66 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-67 | Structural concrete | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -240.0 |
| C-68 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | (Optional) additional layers(s) of base insulation | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -480.0 |
| SELF-ADHERING BASE PLY TO COVERBOARD: | | | | | | | | | |
| C-69 | Structural concrete | Min. 1.5-inch Multi-Max FA3 | INSTA STIK | Min. 0.25-inch Dens Deck Prime or SECURROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5 |
| C-70 | Structural concrete | Min. 1.5-inch Insulfoam IX | INSTA STIK | Min. 0.25-inch Dens Deck Prime | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -72.5 |
| C-71 | Structural concrete | Min. 1.5-inch, Insulfoam IX | INSTA STIK | Min. 0.25-inch Dens Deck, Dens Deck Prime | INSTA STIK | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -120.0 |
| C-72 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | INSTA STIK | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or AC Foam-HD Coverboard | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-73 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | INSTA STIK | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-74 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch Dens Deck Prime optionally primed with POLYBRITE 745 or WB3000 | INSTA STIK | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-75 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | INSTA STIK | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-76 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| C-77 | Structural concrete | Min. 1.5-inch ENRGY 3 | OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -127.5 |
| C-78 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -150.0 |
| C-79 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-80 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-81 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | OB500 | Polytherm HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| C-82 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch Dens Deck Prime | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-83 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Polytherm HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -285.0 |
| C-84 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-85 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| C-86 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or AC Foam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-87 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or AC Foam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-88 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | P-LRFM or P-LRFM-PG | Polytherm HD, AC Foam-HD Coverboard or AC Foam-HD Coverboard-FR | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| C-89 | Structural concrete | Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -232.5 |
| C-90 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch Dens Deck Prime | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-91 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Polytherm HD, AC Foam-HD Coverboard or AC Foam-HD Coverboard-FR | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -285.0 |
| C-92 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-93 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| C-94 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-95 | Structural concrete | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-96 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Polytherm HD | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-97 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |
| C-98 | Structural concrete | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -247.5 |
| C-99 | Structural concrete | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| C-100 | Structural concrete | Min. 1.5-inch Insulfoam IX | P-LRF-CR | Min. 0.25-inch Dens Deck or Dens Deck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -72.5 |
| C-101 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| C-102 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-103 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | P-LRF-CR | Polytherm HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| C-104 | Structural concrete | Min. 1.5-inch, Insulfoam IX, Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max | P-LRF-CR | Min. 0.25-inch Dens Deck, Dens Deck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| C-105 | Structural concrete | Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -240.0 |
| C-106 | Structural concrete | Min. 1.5-inch Insulfoam IX | P-LRF-CR | Polytherm HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -240.0 |
| C-107 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch Dens Deck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| C-108 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -285.0 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|-------------------------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-109 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch or DEXcell FA Glass Mat Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| C-110 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board optionally primed with POLYBRITE 745 or WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| C-111 | Structural concrete / PG100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -350.0 |
| COLD-APPLIED BASE PLY: | | | | | | | | | |
| C-112 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H or ENRGY 3 | INSTA STIK | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| C-113 | Structural concrete | Min. 1-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board | INSTA STIK | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-114 | Structural concrete | Min. 1-inch Polytherm, Polytherm G or Polytherm-H | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-115 | Structural concrete | Min. 1-inch Polytherm-H or ENRGY 3 | INSTA STIK | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| C-116 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| C-117 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-118 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-119 | Structural concrete | Min. 1-inch Polytherm, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------|---------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-120 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| C-121 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-122 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-123 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| C-124 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, EnergyGuard Polyiso Insulation, ENRGY 3, Polytherm-H, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| C-125 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-CA1 | None | APP-CA1 | -127.5 |
| C-126 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | None | APP-CA1 | -127.5 |
| C-127 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|-------------------------------|---|--------------------------------------|---|--------------------------------------|--|-------------------------------------|----------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-128 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| C-129 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board | P-LRF-CR | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-130 | Structural concrete | Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| C-131 | Structural concrete | Min. 1-inch ENRGY 3, Polytherm-H, Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| C-132 | Structural concrete | Min. 1.5-inch Polytherm | OB500 | (Optional) additional layer(s) of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -122.5 |
| C-133 | Structural concrete | Min. 1.5-inch Polytherm-H | OB500 | (Optional) additional layer(s) of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -150.0 |
| C-134 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | OB500 | Min 1.5-inch Polytherm G or Polytherm CG | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-135 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-136 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | OB500 | (Optional) additional layers of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-137 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-138 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--|-------------------------------------|----------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-139 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |
| C-140 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | OB500 | Polytherm HD or ACfoam-HD Coverboard | OB500, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -285.0 |
| C-141 | Structural concrete | Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | (Optional) additional layer(s) of base insulation | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -122.5 |
| C-142 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | Min 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-143 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-144 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | (Optional) additional layers of base insulation | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-145 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-146 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Polytherm HD or ACfoam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| C-147 | Structural concrete | Min. 1.5-inch Polytherm-H | P-LRFM | (Optional) additional layer(s) of base insulation | P-LRFM | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -232.5 |
| C-148 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--|-------------------------------------|----------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-149 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Polytherm HD or ACfoam-HD Coverboard | P-LRFM or P-LRFM-PG, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -285.0 |
| C-150 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm G | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -122.5 |
| C-151 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min 1.5-inch Polytherm G | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-152 | Structural concrete | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | (Optional) additional layers of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-153 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Polytherm HD | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| C-154 | Structural concrete | Min. 1.5-inch Polytherm-H | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -232.5 |
| C-155 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -247.5 |
| C-156 | Structural concrete | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |
| C-157 | Structural concrete | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-CR | (Optional) additional layers(s) of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -122.5 |
| C-158 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRF-CR | Min 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| C-159 | Structural concrete | Min. 1-inch Polytherm or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACfoam-HD Coverboard | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [NOTE 14](#) FOR VAPOR OR AIR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|--|--------------------------------------|---|--------------------------------------|--|-------------------------------------|----------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-160 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-161 | Structural concrete | Min. 1.5-inch Polytherm G or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| C-162 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| C-163 | Structural concrete | Min. 1.3-inch Polytherm G or min. 1.0-inch Polytherm H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -240.0 |
| C-164 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |
| C-165 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -285.0 |
| C-166 | Structural concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -322.5 |
| C-167 | Structural concrete / PG 100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -350.0 |
| C-168 | Structural concrete / PG 100 | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | Hot asphalt | (Optional) additional layers(s) of base insulation | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -480.0 |

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

| System No. | Deck (Note 1) | Primer | Roof Cover (Note 15) | | | *MDP (psf) |
|---|-------------------------------|--------|---|--|----------------------------------|----------------------------|
| | | | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | |
| C-169 | Structural concrete | PG100 | (Optional) SBS-TA | (Optional) SBS-TA | SBS-TA | -495.0 |
| C-170 | Structural concrete | PG100 | BP-AA (Optional if using asphalt applied Ply) | (Optional if using asphalt applied Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -622.5 |
| SELF-ADHERING BASE PLY: | | | | | | |
| C-171 | Structural concrete | PG100 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| C-172 | Structural concrete | PG100 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -315.0 |
| COLD-APPLIED BASE PLY: | | | | | | |
| C-173 | Structural concrete | None | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -105.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | |
| C-174 | Structural concrete | None | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -256.8 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|-------------------------------|---|--|--------------------------------------|---|--------------------------------------|--------------------------------------|--|--------------------------|----------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | | |
| LWC-1 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -282.5 |
| LWC-2 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -367.5 |
| LWC-3 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -322.5 |
| LWC-4 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -225.0 |
| LWC-5 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -322.5 |
| LWC-6 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -222.5 |
| LWC-7 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board | P-LRF-CR | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -222.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|-------------------------------|---|--|--------------------------------------|---|--------------------------------------|--------------------------------------|-------------------------------------|----------------------------------|----------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-8 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA or APP-SA | -72.5 |
| LWC-9 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -282.5 |
| LWC-10 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -322.5 |
| LWC-11 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with POLYBRITE 745 or WB3000 | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -322.5 |
| LWC-12 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA or APP-SA | -72.5 |
| LWC-13 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -222.5 |
| LWC-14 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -222.5 |
| LWC-15 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -222.5 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|---------------------|---|--|----------------------|--|----------------------|--|--|----------------------------------|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-16 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -222.5 |
| LWC-17 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -222.5 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| LWC-18 | Structural concrete | Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |
| LWC-19 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -222.5 |
| LWC-20 | Structural concrete | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -222.5 |
| ELASTIZELL (NOA 23-0817.05): | | | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | | |
| LWC-21 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -225.0 |
| LWC-22 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -180.0 |
| LWC-23 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board | P-LRF-CR | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -180.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|---------------------|---|--|----------------------|--|----------------------|----------------------|-----------------------------------|--------------------------------|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-24 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch, Insulfoam IX | OB500 | (Optional) Additional layers of base insulation | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -120.0 |
| LWC-25 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch, Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with WB3000 | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -120.0 |
| LWC-26 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | (Optional) Additional layers of base insulation | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -225.0 |
| LWC-27 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with WB3000 | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -225.0 |
| LWC-28 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA or APP-SA | -72.5 |
| LWC-29 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -180.0 |
| LWC-30 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -180.0 |
| LWC-31 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -180.0 |
| LWC-32 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -180.0 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|---------------------|---|--|----------------------|---|----------------------|--|--|----------------------------------|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-33 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -180.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| LWC-34 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch Polytherm or Polytherm-H | OB500 | (Optional) Additional layers of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -225.0 |
| LWC-35 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, ENRGY 3 or Polytherm-H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -225.0 |
| LWC-36 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -72.5 |
| LWC-37 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -180.0 |
| LWC-38 | Structural concrete | Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -180.0 |
| MEARLCRETE (NOA 19-0729.03): | | | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | | |
| LWC-39 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -222.5 |
| LWC-40 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board | P-LRF-CR | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -222.5 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|---------------------|---|--|----------------------|--|----------------------|--|-------------------------------------|----------------------------------|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| LWC-41 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA or APP-SA | -72.5 |
| LWC-42 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -222.5 |
| LWC-43 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -222.5 |
| LWC-44 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -222.5 |
| LWC-45 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3, Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -222.5 |
| LWC-46 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | P-LRF-CR | Min. 7/16-inch DEXcell Cement Roof Board, optionally primed with WB3000 | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA or APP-TA | -222.5 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | |
| LWC-47 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | (Optional) Additional layers of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -222.5 |
| LWC-48 | Structural concrete | Min. 200 psi, min. 2-inch Mearlcrete | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -222.5 |
| PRE-EXISTENT CELULAR LWC (NOTE 14): | | | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | | |
| LWC-49 | Structural concrete | Min. 280 psi, min. 2-inch thick pre-existent cellular lightweight concrete. | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H, Polytherm CG | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-AA | (Optional) SBS-AA | SBS-AA | -235.0 |

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

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

| System No. | Deck‡ (Note 1) | Lightweight Concrete (Note 14) | Anchor Sheet | | | Temp Roof | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|---|--|---|--|---|---|--|---|-------------------------|---|---|--|---|--------------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | | | | | | | | | |
| LWC-50 | Min. 22 ga., Type B, vented steel at max. 5 ft spans | Min. 300 psi, min. 2-inch Celcore Cellular Concrete, Elastizell Lightweight Insulating Concrete or Mearlcrete | Elastovent | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. at min. 4-inch lap and 7-inch o.c. at two, equally spaced center rows | (Optional) SBS-TA (sanded-top-surface) | (Optional) Min. 1.5-inch Polytherm, Polytherm-H, Multi-Max FA3 or Polytherm | HA | Min. 1.5-inch Therमारoo Composite, Polytherm Composite, or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch Fesco Board (homogeneous) | HA | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| LWC-51 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Elastobase V, Elastobase P or Elastovent | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three equally spaced, staggered center rows | SBS-TA (sanded-top-surface) | Min. 2-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRFM, 6-inch o.c. | <u>Additional Insulation Layer(s)</u> : (Optional) Min. 0.5-inch base insulation flat or tapered <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | <u>Additional Layer(s)</u> : P-LRFM, 4-inch o.c. <u>Coverboard</u> : P-LRFM, 6-inch o.c. | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0* |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | | | | |
| LWC-52 | Min. 22 ga., Type B, vented steel at max. 5 ft spans | Min. 300 psi, min. 2-inch Celcore Cellular Concrete, Elastizell Lightweight Insulating Concrete or Mearlcrete | Elastovent | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. at min. 4-inch lap and 7-inch o.c. at two, equally spaced center rows | (Optional) SBS-TA (sanded-top-surface) | Min. 1.5-inch Polytherm, Polytherm-H, Multi-Max FA3 or Polytherm | HA | None | N/A | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -45.0 |
| LWC-53 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Elastobase V, Elastobase P or Elastovent | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three equally spaced, staggered center rows | SBS-TA (sanded-top-surface) | Min. 2-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRFM, 6-inch o.c. | (Optional) Additional layers of base insulation, min. 0.5-inch, flat or tapered | P-LRFM, 4-inch o.c. | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0* |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | | | | | |

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

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

| System No. | Deck‡ (Note 1) | Lightweight Concrete (Note 14) | Anchor Sheet | | | Temp Roof | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|--|---|---|--|---|----------------------|---|----------------------|--|-------------------------------------|----------------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-54 | Min. 22 ga., Type B, vented steel at max. 5 ft spans | Min. 300 psi, min. 2-inch Celcore Cellular Concrete, Elastzell Lightweight Insulating Concrete or Mearlcrete | Elastovent | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. at min. 4-inch lap and 7-inch o.c. at two, equally spaced center rows | (Optional) SBS-TA (sanded-top-surface) | Min. 1.5-inch Polytherm or Polytherm-H | hot asphalt | None | N/A | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| LWC-55 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Elastobase V, Elastobase P or Elastovent | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three equally spaced, staggered center rows | SBS-TA (sanded-top-surface) | Min. 2-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRFM, 6-inch o.c. | (Optional) Additional layers of base insulation, min. 0.5-inch, flat or tapered | P-LRFM, 4-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |

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

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

| System No. | ‡Deck (Note 1) | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|---|---|--|--|--------------------------|----------------|-----------|
| | | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT INSULATING CONCRETE: | | | | | | | | |
| LWC-56 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick pre-existent cellular LWC. Note: To qualify the LWIC, an OMG C-R Assembled Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of 53 lbf when tested per Note 11. | Elastovent | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | (Optional) BP-AA, SBS-AA | SBS-AA, APP-TA | -45.0 |
| CELCORE (NOA 23-0718.06): | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | |
| LWC-57 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 200 psi, min. 2-inch thick Celcore | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA | SBS-AA | -45.0 |

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

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

| System No. | ‡Deck (Note 1) | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|--|---|--|---|--------------------------------------|----------------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| LWC-58 | Min. 26 ga., type HF steel at max 5 ft spans or structural concrete | Min. 225 psi, min. 2-inch thick Celcore MF | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 9-inch o.c. in a 3-inch lap and 9-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA | SBS-AA | -45.0 |
| LWC-59 | Min. 22 ga., type B steel at max 6 ft spans or structural concrete | Min. 225 psi, min. 2-inch thick Celcore MF | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 14-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA | SBS-AA | -45.0 |
| LWC-60 | Min. 22 ga., type B steel at max 6 ft spans or structural concrete | Min. 225 psi, min. 2-inch thick Celcore MF | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 9-inch o.c. in a 3-inch lap and 9-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA | SBS-AA | -45.0 |
| LWC-61 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 225 psi, min. 2-inch thick Celcore MF | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast Twin Loc-Nail | 9-inch o.c. in a 4-inch lap and 18-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0 |
| LWC-62 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF | Elastobase V, Elastobase P, Elastovent | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. in a 4-inch lap and 8-inch o.c. in three equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -60.0 |
| LWC-63 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. in a 4-inch lap and 8-inch o.c. in three equally spaced, staggered center rows | SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| LWC-64 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | |
| LWC-65 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 225 psi, min. 2-inch thick Celcore MF | Elastobase V or Elastobase P (with poly-film top) | Trufast Twin Loc-Nail | 9-inch o.c. in a 4-inch lap and 18-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |
| LWC-66 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Celcore MF | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener | 8-inch o.c. in a 4-inch lap and 8-inch o.c. in three equally spaced, staggered center rows | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -60.0 |
| ELASTIZELL (NOA 23-0817.05): | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | |

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

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

| System No. | ‡Deck (Note 1) | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|---|---|--|--|--------------------------------------|--|---------------------------|
| | | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| LWC-67 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 200 psi, min. 2-inch thick Elastizell Range II | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0 |
| LWC-68 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 200 psi, min. 2-inch thick Elastizell Range II | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0 |
| LWC-69 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft2 | Elastobase V, Elastobase P or Elastovent | Trufast Twin Loc-Nails (min. 1.8-inch) | 6-inch o.c. in a 4-inch lap and 6-inch o.c. in three, equally spaced, staggered rows in the field of the sheet | BP-AA or SBS-AA | SBS-AA, SBS-TA, SBS-SA, APP-TA or APP-SA | -60.0 |
| LWC-70 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft2 | Elastobase V or Elastobase P (with poly-film top) | Trufast Twin Loc-Nails (min. 1.8-inch) | 6-inch o.c. in a 4-inch lap and 6-inch o.c. in three, equally spaced, staggered rows in the field of the sheet | SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | |
| LWC-71 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 200 psi, min. 2-inch thick Elastizell Range II | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 3-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -45.0 |
| LWC-72 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft2 | Elastobase V or Elastobase P (with poly-film top) | Trufast Twin Loc-Nails (min. 1.8-inch) | 6-inch o.c. in a 4-inch lap and 6-inch o.c. in three, equally spaced, staggered rows in the field of the sheet | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -60.0 |
| MEARLCRETE (NOA 19-0729.03): | | | | | | | | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | |
| LWC-73 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Mearlcrete | Elastobase V or Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 4-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -52.5 |
| LWC-74 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Mearlcrete | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 4-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 |

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

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

| System No. | ‡Deck (Note 1) | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|--|--|---|--|--|--------------------------------------|----------------------------------|---------------------------|
| | | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| SELF-ADHERING BASE PLY: | | | | | | | | |
| LWC-75 | Min. 22 ga., type B steel at max 5 ft spans or structural concrete | Min. 300 psi, min. 2-inch thick Mearlcrete | Elastobase V or Elastobase P (with poly-film top) | Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.) | 7-inch o.c. in a 4-inch lap and 7-inch o.c. in two, equally spaced, staggered rows in the field of the sheet | SBS-SA | SBS-SA, APP-SA, SBS-TA or APP-TA | -52.5 |

**TABLE 4d: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, LWC, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor or Air Barrier | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--|---|--|----------------------------------|---------------------------|--|---|---|---|---|--------------------------------------|------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach | | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | | | | | | |
| LWC-76 | Min. 22 ga., Type B, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6" o.c. | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Elastoflex S6 G or Polyflex G, torch-applied | Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Elastobase V, Elastobase P, Elastovent, Polybase V or Polyglass G2 Base | OMG C-R Assembled Base Sheet Fastener (1.7 in.), OlyLock 1.8, Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nails (1.8 in.) | 6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two, equally spaced center rows | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -52.5 |
| LWC-77 | Min. 22 ga., Type B, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6" o.c. | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Elastoflex S6 G or Polyflex G, torch-applied | Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Elastobase V, Elastobase P, Elastovent, Polybase V or Polyglass G2 Base | Trufast Versa-Fast Fasteners and Versa-Fast Plates; two (2) screws per plate | 6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two, equally spaced center rows | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -60.0 |
| PRE-EXISTENT CELULAR LWC (NOTE 14): | | | | | | | | | | | | |
| LWC-78 | Min. 22 ga., Type BV, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6" o.c. | Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Elastoflex S6 G or Polyflex G, torch-applied | Min. 410 psi, min. 2-inch thick pre-existent cellular lightweight concrete. | Elastobase V, Elastobase P, Elastovent, Polybase V or Polyglass G2 Base | Trufast FM-90 Base Sheet Fastener Minimum withdrawal resistance of 59-lbf per Note 11 . | 6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two, equally spaced center rows | (Optional) APP-TA or SBS-TA | APP-TA or SBS-TA | -60.0 |

**TABLE 4E: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED BASE SHEET, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Roof Cover (Note 15) | | | MDP (psf) |
|--|---|--|-----------------------------|---|-------------------------------------|----------------------------------|-----------|
| | | Type | Treatment | Base Ply | Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | |
| LWC-79 | Min. 22 ga., Type B, Grade 33 steel, 6 ft span; #12 HWH Tekes 5, 6" o.c. | Min. 200 psi, min. 2-inch Celcore Cellular Concrete or min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -60.0 |
| LWC-80 | Min. 22 ga., Type BV, Grade 40 steel, 6 ft span; 5/8" puddle welds, 6" o.c. | Celcore S-1 Deck Preparation Min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -67.5 |
| LWC-81 | Min. 22 ga., Type B, Grade 33 steel, 5 ft span; #12 HWH Tekes 5, 6" o.c. | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |
| LWC-82 | Min. 22 ga., Type BV, Grade 40 steel, 6 ft span; 5/8" puddle welds, 6" o.c. | Celcore S-1 Deck Preparation Min. 310 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -82.5 |
| LWC-83 | Min. 22 ga., Type BV, Grade 40 steel, 5 ft span; #12 HWH Tekes 5, 6" o.c. | Celcore S-1 Deck Preparation Min. 460 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -90.0 |
| LWC-84 | Min. 22 ga., Type B, Grade 33 steel, 4 ft span; #12 HWH Tekes 5, 6" o.c. | Min. 200 psi, min. 2-inch Celcore Cellular Concrete | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -90.0 |
| LWC-85 | Structural concrete | Min. 225 psi, min. 2-inch Celcore MF Cellular Concrete | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -262.5 |
| LWC-86 | Structural concrete | Min. 400 psi, min. 2-inch Celcore Cellular Concrete (no EPS) | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -277.5 |
| LWC-87 | Structural concrete | Min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -367.5 |
| PRE-EXISTENT CELULAR LWC (NOTE 14): | | | | | | | |
| LWC-88 | Structural concrete | Min. 280 psi, min. 2-inch thick pre-existent cellular lightweight concrete. | N/A | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |
| LWC-89 | Structural concrete | Min. 280 psi, min. 2-inch thick pre-existent cellular lightweight concrete. | N/A | Elastovent applied in Polyglass LRF CR, spatter-applied | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -235.0 |

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|--|--|----------------------|---|----------------------|----------------------|--|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | |
| CFW-1 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | INSTA STIK or OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | INSTA STIK or OB500 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| CFW-2 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | INSTA STIK or OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | INSTA STIK or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA, APP-TA | -45.0 |
| CFW-3 | Existing Min. 2-inch Tectum Plank or Tectum LS Plank; 2 ft span; three (3) evenly spaced #15 screws with 2" diameter plates per joist | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | P-LRF-CR | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | P-LRF-CR | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| CFW-4 | Existing Min. 2-inch Tectum Plank or Tectum LS Plank; 2 ft span; three (3) evenly spaced #15 screws with 2" diameter plates per joist | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | P-LRF-CR | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA, APP-TA | -52.5 |
| CFW-5 | Tectum Plank, max. 4 ft span; Trufast #12 Purlin Fastener & Trufast 2" Barbed Metal Seam Plate, three (3) equally spaced for 3 ft panel width (12" o.c.) | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| CFW-6 | Tectum Plank, max. 4 ft span; Trufast #12 Purlin Fastener & Trufast 2" Barbed Metal Seam Plate, three (3) equally spaced for 3 ft panel width (12" o.c.) | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA, APP-TA | -75.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| CFW-7 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | INSTA STIK or OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | INSTA STIK or OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -45.0 |
| CFW-8 | Existing Min. 2-inch Tectum Plank or Tectum LS Plank; 2 ft span; three (3) evenly spaced #15 screws with 2" diameter plates per joist | Min. 1.5-inch Polytherm, ISO 95+GL, Polytherm-H, ENRGY-3 | P-LRF-CR | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -52.5 |

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|--|--|--------------------------------------|---|--------------------------------------|--|-------------------------------------|----------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CWF-9 | Tectum Plank, max. 4 ft span; Trufast #12 Purlin Fastener & Trufast 2" Barbed Metal Seam Plate, three (3) equally spaced for 3 ft panel width (12" o.c.) | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -75.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| CWF-10 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Min. 1.5-inch Polytherm, Polytherm-H, ENRGY-3 | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0 |
| CWF-11 | Existing Min. 2-inch Tectum Plank or Tectum LS Plank; 2 ft span; three (3) evenly spaced #15 screws with 2" diameter plates per joist | Min. 1.5-inch Polytherm, Polytherm-H, ENRGY-3 | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -52.5 |
| CWF-12 | Tectum Plank, max. 4 ft span; Trufast #12 Purlin Fastener & Trufast 2" Barbed Metal Seam Plate, three (3) equally spaced for 3 ft panel width (12" o.c.) | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -75.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|--|----------------------------------|--|--------------------------------------|--|---|------------------------|---------------------------|
| | | Type | Fasten (Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CWF-13 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Min. 2-inch Polytherm or Polytherm-H H | OMG Polymer GypTec with Polymer GypTec Plate or Trufast TL with Trufast TL 3 in. Plate | 1 per 4.0 ft ² | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|---|--|---|-------------------------------------|---|--|---|---|---|--|--|----------------------------------|------------------------------|
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | | | | |
| CFW-14 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast Twin Loc-Nail | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3, | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| CFW-15 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast Twin Loc-Nail | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3, | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA or APP-TA | (Optional) SBS-TA, SBS-SA or APP-TA | SBS-TA, SBS-SA, APP-TA, APP-SA | -45.0* |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | | |
| CFW-16 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast Twin Loc-Nail | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3, | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-TA, SBS-SA or APP-TA | SBS-TA, SBS-SA, APP-TA, APP-SA | -45.0* |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | | | | |
| CFW-17 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast Twin Loc-Nail | 9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two, equally spaced, staggered center rows | Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | Hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|---|--|----------------------------------|--|---|------------------------|-----------|
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| CWF-18 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Trufast Twin Loc-Nails (min. 1-inch embedment) | 1 per 2.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|---|----------------------------------|--|--|------------------------|-----------|
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | |
| CWF-19 | Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank | Elastobase V, Elastobase P, Polyglass G2 Base | Trufast Twin Loc-Nails, 1.8-inch | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Notes 1&12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|--|----------------------|--|--------------------------------------|--|--------------------------------------|--|---|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | | | | |
| G-1 | Existing gypsum deck | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | None | N/A | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -245.0 |
| G-2 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H or Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRF-CR | 0.5-inch SECUROCK Cement Roof Board | P-LRF-CR | SBS-TA | (Optional) SBS-TA | SBS-TA | -187.5 |
| G-3 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H or Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| G-4 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H or Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRF-CR, 6-inch o.c. | 0.5-inch SECUROCK Cement Roof Board | P-LRF-CR, 6-inch o.c. | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| G-5 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H or Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRF-CR | Min. 0.25-inch DensDeck Prime | P-LRF-CR | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -282.5 |
| G-6 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G or Polytherm-H or Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| G-7 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 or min. Insulfoam IX | OB500 | Min. 0.25-inch Dens Deck Prime | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| G-8 | Existing gypsum deck | Min. 1.5-inch min. Insulfoam IX | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -112.5 |
| G-9 | Existing gypsum deck | Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -112.5 |
| G-10 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 or min. Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -112.5 |
| G-11 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch Dens Deck Prime | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |

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

| System No. | Deck (Notes 1&12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|----------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| G-12 | Existing gypsum deck | Min. 1.5-inch Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRFM | (Optional) additional layers(s) of base insulation | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -202.5 |
| G-13 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -202.5 |
| G-14 | Existing gypsum deck | (Optional) Min. 1.5-inch, Insulfoam IX, Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| G-15 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| G-16 | Existing gypsum deck | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA | -240.0 |
| G-17 | Existing gypsum deck | Min. 1.5-inch, Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -240.0 |
| G-18 | Existing gypsum deck | Min. 1.5-inch Insulfoam IX | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -240.0 |
| G-19 | Existing gypsum deck | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -257.5 |
| G-20 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, Polytherm CG, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -257.5 |
| G-21 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -285.0 |

COLD APPLIED BASE PLY:

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

| System No. | Deck (Notes 1&12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|------------|----------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|-----------------------------|---------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| G-22 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| G-23 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| G-24 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| G-25 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -202.5 |
| G-26 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -112.5 |
| G-27 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| G-28 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board | P-LRF-CR | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |

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

| System No. | Deck (Notes 1&12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) |
|---|----------------------|--|----------------------|--|-----------------------|--|-------------------------------------|----------------------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| G-29 | Existing gypsum deck | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| G-30 | Existing gypsum deck | (Optional) Min. 1-inch ENRGY 3, Polytherm-H, Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| G-31 | Existing gypsum deck | Min. 1.5-inch Polytherm or Polytherm-H | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -112.5 |
| G-32 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -112.5 |
| G-33 | Existing gypsum deck | Min. 1.5-inch Polytherm-H | P-LRFM | (Optional) additional layers(s) of base insulation | P-LRFM | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| G-34 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm-H | P-LRFM | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| G-35 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| G-36 | Existing gypsum deck | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | (Optional) additional layers of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -257.5 |
| G-37 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H or Polytherm CG | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -257.5 |
| G-38 | Existing gypsum deck | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACFoam-HD Coverboard | P-LRF-CR, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -285.0 |

| TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) | | | | | | | | | | | | |
|---|----------------------------------|---|--|--|---|---|---|---|--------------------------------------|--|------------------------|------------------------------|
| SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER | | | | | | | | | | | | |
| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
| | | Type | Fasten (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| G-39 | Existing gypsum deck | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-75 or FM-90 or Twin Loc-Nails | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | Hot asphalt | Min. 0.25-inch Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

| TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER | | | | | | | | | |
|--|----------------------------------|--|---|--|----------------------------------|--|---|------------------------|------------------------------|
| SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | | |
| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
| | | | Type | Fasten (Note 11) | Attach (Note 17) | Base Ply | Ply | Cap Ply | |
| G-40 | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Trufast Twin Loc-Nails (min. 1-inch embedment) | 1 per 2.0 ft ² | (Optional if using AA Ply) BP-AA, SBS-AA | (Optional if using AA Base) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* |

| TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF) | | | | | | | | | |
|---|----------------------------------|---|--|--|--|------------------------|--------|------------------------------|--|
| SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER | | | | | | | | | |
| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | | MDP (psf) | |
| | | Type | Fasten (Note 11) | Attach | Base Ply | Cap Ply | | | |
| G-41 | Existing gypsum deck | Elastobase V, Elastobase P, Elastovent or Polyglass G2 Base | Trufast FM-75 or FM-90 or Twin Loc-Nails | 9-inch o.c. in 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0* | | |

| TABLE 6E: GYPSUM DECKS – REROOF (TEAR-OFF) | | | | | | | |
|---|--|--------|--|-------------------------------------|----------------------------------|--|--|
| SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER | | | | | | | |
| System No. | Substrate (Note 1, Note 12) | Primer | Roof Cover (Note 15) | | | MDP (psf)^A | |
| | | | Base Ply | Ply | Cap Ply | | |
| G-42 | Existing gypsum deck | None | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -256.8 | |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|---|--|---|-------------------------|---|-------------------------|-------------------------------|--|---------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ASPHALT OR TORCH APPLIED BASE PLY: | | | | | | | | | |
| R-1 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Multi-Max FA3 | INSTA STIK | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -67.5 |
| R-2 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm or ENRGY 3 or Insulfoam IX | INSTA STIK | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, or APP-TA | -90.0 |
| R-3 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA, or APP-TA | -127.5 |
| R-4 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -157.5 |
| R-5 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| R-6 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-AA, SBS-TA or APP-TA | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -202.5 |
| R-7 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 2-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| R-8 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|--------------------------------|--|--|-------------------------|---|-------------------------|----------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-9 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |
| R-10 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -322.5 |
| R-11 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max or Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -225.0 |
| R-12 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max or Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | APP-TA | (Optional) APP-TA | APP-TA | -232.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| R-13 | Existing, fully-adhered, asphaltic roof | (Optional if Top Layer Insulation installed) Min. 1.5-inch Multi-Max FA3 | INSTA STIK | (Optional if Base Layer Insulation installed) additional layers(s) of base insulation and/or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or Dens Deck Prime | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -67.5 |
| R-14 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, ENRGY 3 or Multi-Max FA3 or Insulfoam IX | INSTA STIK | Min. 0.25-inch Dens Deck Prime | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| R-15 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Insulfoam IX | INSTA STIK | (Optional) additional layers(s) of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-SA | SBS-SA | -90.0 |
| R-16 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Insulfoam IX | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -90.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|---|--|-------------------------|---|-------------------------|----------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-17 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Polytherm or ENRGY 3 | INSTA STIK | (Optional) additional layers(s) of base insulation | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -90.0 |
| R-18 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm or ENRGY 3 | INSTA STIK | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -90.0 |
| R-19 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 or Insulfoam IX | OB500 | Min. 0.25-inch Dens Deck Prime | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| R-20 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch, Insulfoam IX | OB500 | (Optional) additional layers of base insulation | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -120.0 |
| R-21 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch, Insulfoam IX | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -120.0 |
| R-22 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -127.5 |
| R-23 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm-H or ENRGY 3 | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -127.5 |
| R-24 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | OB500 | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -127.5 |
| R-25 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch Dens Deck Prime | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| R-26 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRFM | (Optional) additional layers(s) of base insulation | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -157.5 |
| R-27 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRFM | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -157.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|--|--|-------------------------|--|-------------------------|----------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-28 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | P-LRFM or P-LRFM-PG | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRFM or P-LRFM-PG | SBS-SA | (Optional) SBS-SA | SBS-SA | -157.5 |
| R-29 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | (Optional) additional layer(s) of base insulation | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| R-30 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min 1.5-inch Polytherm G | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -187.5 |
| R-31 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | (Optional) additional layers of base insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA, APP-SA | -202.5 |
| R-32 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Polytherm HD | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| R-33 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-PG-ECO | (Optional) additional layer(s) of base insulation | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -232.5 |
| R-34 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, EnergyGuard Polyiso Insulation, ENRGY 3, Polytherm-H or Multi-Max FA3 | P-LRF-PG-ECO | (Optional) additional layer(s) of base insulation, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | None | SBS-CA1, SBS-CA2 | -247.5 |
| R-35 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -247.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|--|--|-------------------------|---|-------------------------|----------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-36 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -247.5 |
| R-37 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm G or UltraMax | P-LRF-PG-ECO | (Optional) additional layer(s) of base insulation, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | None | SBS-CA1, SBS-CA2 | -290.0 |
| R-38 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, optionally primed with POLYBRITE 745 or WB3000 | P-LRF-PG-ECO | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -322.5 |
| R-39 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G, min. 1.5-inch Insulfoam X, Multi-Max FA3 or Ultra-Max or min. 2.0-inch Polytherm | P-LRF-CR | Min. 0.25-inch Dens Deck Prime | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -72.5 |
| R-40 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H or Insulfoam IX | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA | -230.0 |
| R-41 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Insulfoam IX | P-LRF-CR | (Optional) additional layer(s) of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA | SBS-SA | -240.0 |
| R-42 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Insulfoam IX | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -240.0 |
| R-43 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Multi-Max FA3 or Ultra-Max, min. 1.3-inch Polytherm G or min. 1.0-inch Polytherm H, Polytherm CG or ENRGY 3 | P-LRF-CR | (Optional) additional layer(s) of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -240.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|-------------------------------|---|--|-------------------------|--|-------------------------|----------------------|-----------------------------------|--------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-44 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.0-inch Polytherm-H, Polytherm CG or ENRGY 3, min. 1.3-inch Polytherm G or min. 1.5-inch Multi-Max FA3 or Ultra-Max | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -240.0 |
| R-45 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch, Insulfoam IX IX | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -240.0 |
| R-46 | Existing, fully-adhered, asphaltic roof | Min. 2-inch Polytherm, ENRGY-3, Polytherm-H | P-LRF-CR | (Optional) additional layer(s) of base insulation | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -247.5 |
| R-47 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 2-inch Polytherm, Polytherm-H or ENRGY 3 | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, APP-SA, SBS-TA, APP-TA | -247.5 |
| R-48 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD, ACfoam-HD Coverboard or ACfoam-HD Coverboard-FR | P-LRF-CR, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -262.5 |
| COLD APPLIED BASE PLY: | | | | | | | | | |
| R-49 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H or ENRGY 3 | INSTA STIK | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | INSTA STIK | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -90.0 |
| R-50 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| R-51 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board | OB500 | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| R-52 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|---|---|-------------------------|---|-------------------------|----------------------|-----------------------------|---------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-53 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM or P-LRFM-PG | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| R-54 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| R-55 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or Ultra-Max or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|--|--|-------------------------|---|-------------------------|----------------------|-----------------------------|---------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-56 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax or min. 2-inch Styrofoam Brand Roofmate, Highload 60 or Plazamate | P-LRFM, P-LRFM-PG | Min. 0.25-inch Dens Deck, Dens Deck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board | P-LRFM, P-LRFM-PG | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -157.5 |
| R-57 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, Polytherm G, EnergyGuard Polyiso Insulation, ENRGY 3, Polytherm-H, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |
| R-58 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime | P-LRF-PG-ECO | SBS-CA1 | None | APP-CA1 | -127.5 |
| R-59 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | None | APP-CA1 | -127.5 |
| R-60 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm, Polytherm G, Polytherm-H, EnergyGuard Polyiso Insulation, ENRGY 3, Multi-Max FA3 or UltraMax | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| R-61 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | (Optional) SBS-CA1, SBS-CA2 | SBS-CA1, SBS-CA2, APP-CA1 | -120.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|---|--|--|-------------------------|---|-------------------------|--|-------------------------------------|----------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-62 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or DEXcell FA Glass Mat Roof Board | P-LRF-CR | SBS-CA1 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| R-63 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch Polytherm, Polytherm G, Polytherm-H, ENRGY 3 or Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2, APP-CA1 | -127.5 |
| R-64 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1-inch ENRGY 3, Polytherm-H, Multi-Max FA3 | P-LRF-CR | Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-CA1, SBS-CA2 | None | SBS-CA1, SBS-CA2 | -232.5 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | | | | |
| R-65 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Polytherm or Polytherm-H | OB500 | (Optional) additional layers(s) of base insulation | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -127.5 |
| R-66 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm or Polytherm-H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | OB500 | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -127.5 |
| R-67 | Existing, fully-adhered, asphaltic roof | Min. 1.5-inch Polytherm or Polytherm-H | P-LRFM or P-LRFM-PG | (Optional) additional layers(s) of base insulation | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -157.5 |
| R-68 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRFM or P-LRFM-PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD or ACFoam-HD Coverboard | P-LRFM or P-LRFM-PG | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -157.5 |
| R-69 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm or Polytherm G | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -122.5 |
| R-70 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm or Polytherm-H | P-LRF-PG-ECO | Min 1.5-inch Polytherm G | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -187.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|--|---|-------------------------|---|-------------------------|--|-------------------------------------|----------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-71 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | (Optional) additional layers of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -202.5 |
| R-72 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Polytherm HD | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| R-73 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch Polytherm-H | P-LRF-PG-ECO | (Optional) additional layers(s) of base insulation | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -232.5 |
| R-74 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-PG-ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Polytherm HD | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -247.5 |
| R-75 | Existing, fully-adhered smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch Polytherm G | P-LRF-PG-ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | P-LRF-PG-ECO | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -282.5 |
| R-76 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACfoam-HD Coverboard | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -230.0 |
| R-77 | Existing, fully-adhered, asphaltic roof | Min. 1.3-inch Polytherm G or min. 1.0-inch Polytherm H or Polytherm CG | P-LRF-CR | (Optional) additional layers(s) of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -240.0 |
| R-78 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.3-inch Polytherm G or min. 1.0-inch Polytherm H or Polytherm CG | P-LRF-CR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -240.0 |
| R-79 | Existing, fully-adhered, asphaltic roof | Min. 2-inch Polytherm | P-LRF-CR | (Optional) additional layers(s) of base insulation | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -247.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | *MDP (psf) ^A |
|------------|---|--|-------------------------|---|-------------------------|--|-------------------------------------|----------------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-80 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 2-inch Polytherm or Polytherm-H | P-LRF-CR | Min. 0.25-inch Densdeck Prime or SECUROCK Gypsum-Fiber Roof Board | P-LRF-CR | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -247.5 |
| R-81 | Existing, fully-adhered, asphaltic roof | (Optional) Min. 1.5-inch Polytherm, Polytherm G or Polytherm-H | P-LRF-CR | Polytherm HD or ACfoam-HD Coverboard | P-LRF-CR, 6-inch o.c. | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -262.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Primer | Roof Cover (Note 15) | | | MDP (psf) ^A |
|---|--|--------|--|-------------------------------------|----------------------------------|---------------------------|
| | | | Base Ply | Ply | Cap Ply | |
| ASPHALT- OR TORCH-APPLIED BASE PLY: | | | | | | |
| R-82 | Existing fully-adhered, granule-surfaced modified bitumen | None | (Optional) Polyflex, torch-applied | (Optional) Polyflex, torch-applied | APP-TA | -362.5 |
| R-83 | Existing fully-adhered, granule-surfaced modified bitumen | PG100 | (Optional) Polyflex, torch-applied | (Optional) Polyflex, torch-applied | APP-TA | -445.0 |
| LOW RISE FOAM-APPLIED BASE PLY (MODIFLEECE): | | | | | | |
| R-84 | Existing, fully-adhered, smooth-surfaced asphaltic built-up roof (BUR) | None | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -212.5 |
| R-85 | Existing, fully-adhered, smooth-surfaced SBS modified bitumen | None | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -480.0 |
| R-86 | Existing, fully-adhered, granule-surfaced asphaltic built-up roof (BUR) or granule-surfaced modified bitumen | None | SBS-LRF-CR, SBS-LRF-M-PG or SBS-LRF-PG-ECO | (Optional) SBS-SA, APP-TA or SBS-TA | APP-SA, SBS-SA, APP-TA or SBS-TA | -480.0 |