NEMO EVALUATION REPORT (NER)

AMRIZE BUILDING ENVELOPE LLC (DURO-LAST)
525 Morley Drive
Saginaw, MI 48601
(800) 248-0280

SUBJECT:	**Duro-Last Duro-Tech TPO Roof Systems**
SCOPE:	This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO|cert. NEMO Evaluations has evaluated the products described herein for compliance with the Code sections noted herein.
CODE:	2023 Florida Building Code, 8th Edition
JURISDICTION:	Non-HVHZ and HVHZ
CATEGORY:	**FBC:** Roofing **NEMO:** Single Ply
SUB-CATEGORY:	**FBC:** Single Ply Roof Systems
CSI DIVISION:	07 00 00 Thermal and Moisture Protection 07 54 00 Thermoplastic Membrane Roofing 07 54 23 Thermoplastic Polyolefin Roofing
FBC METHOD:	Method 1, Option C – Codified Material, Evaluation by Evaluation Entity
COMPLIANCE STATEMENT:	**Duro-Last Duro-Tech TPO Roof Systems**, as produced by **Amrize Building Envelope, LLC (DURO-LAST),** have demonstrated compliance with the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.
QUALITY ASSURANCE:	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of NEMO|cert.
CONTINUED COMPLIANCE:	This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.
BUILDING PERMIT REQUIREMENTS:	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.
ADVERTISEMENT:	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.
CERTIFICATION OF INDEPENDENCE:	✓ NEMO CERT, LLC has not, nor does it intend to acquire or will they acquire, a financial interest in any company manufacturing or distributing products it evaluates. ✓ NEMO CERT, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates. ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance

LINK TO TOP OF ATTACHMENT REQUIREMENTS

ISO/IEC 17065 PCA-145

ISO/IEC 17020 AA-779

1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474
	1504.3.1	Wind resistance	UL 1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1508.2, TAS 110	Material standard	ASTM C1289
	1507.12.2, TAS 110	Material standard	ASTM D6878
	TAS 110	Static puncture resistance	ASTM D5602
	TAS 110	Dynamic puncture resistance	ASTM D5635
	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 Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G

2. PRODUCTS:

TABLE 1A: EVALUATED DURO-LAST COMPONENTS
(NEMO Certified. Consult Directory of Certified Products for production location(s))

TYPE	PRODUCT NAME		MATERIAL STANDARD REFERENCE	MATERIAL STANDARD TYPE	MATERIAL STANDARD GRADE
ROOF COVER OR CAP PLY	Duro-Tech TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A
	Duro-Tech TPO Fleece	45, 60, 80-mil	ASTM D6878	N/A	N/A

TABLE 2: COMPONENTS BY OTHERS (4.1.4)
(Refer to NOA if listed version was superseded to ensure use of latest version)

TYPE	DURO-LAST PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ROOFING FASTENERS:	N/A	Elevate All-Purpose Fastener	FL10264	23-0613.39
	N/A	Elevate All-Purpose S Fastener	FL10264	N/A
	N/A	Elevate #12 Insulation Fastener	FL10264	23-0613.39
	N/A	Elevate Pre-Assembled Fastener	FL10264	23-0613.39
	Duro-Last #15 Extra Heavy Duty Drill Point Fastener	Elevate Heavy-Duty Fastener	FL10264	23-0613.39
	N/A	Elevate Heavy-Duty Plus Fastener	FL10264	23-0613.39
	N/A	Elevate Concrete Drive Fastener	FL10264	23-0613.39
	N/A	Elevate Purlin Fastener	FL10264	24-0620.04
	N/A	Elevate HD HailGard Fastener (steel only)	FL10264	23-0613.39
	N/A	Two Piece Impact Nail	FL10264	24-0620.04
	N/A	Elevate HD Plus Seam Plate	FL10264	23-0613.39
	Duro-Tech TPO HD Seam Plate	Elevate HD Seam Plate	FL10264	23-0613.39
	N/A	Elevate UltraPly TPO Barbed Seam Plate	FL10264	23-0613.39
	Duro-Bond TPO Plate	Elevate UltraPly TPO InvisiWeld Plate	FL10264	24-0620.04
	N/A	Elevate UltraPly TPO Wide Weld Seam Plate	FL10264	23-0613.39
	N/A	Elevate Insulation Fastening Plate	FL10264	23-0613.39
	TPO Polymer Batten Strip	Elevate Polymer Batten Strip	FL10264	23-0613.39
	TPO Coiled Metal Batten Strip	Elevate Coiled Metal Batten Strip	FL10264	23-0613.39
INSULATIONS:	N/A	ISO 95+ GL	FL35402	23-0613.13
	Duro-Guard ISO II-E2	Elevate ISOGARD GL	FL35402	23-0613.13
	Duro-Guard ISO III-E2	Elevate ISOGARD CG	FL35402	23-0613.13
	Duro-Guard ISO HD-E2	Elevate ISOGARD HD	FL35402	23-0613.13
	Duro-Guard ISO HD Composite-E2	Elevate ISOGARD HD Composite	FL10264	N/A
	N/A	Elevate HailGard	FL10264	N/A

TABLE 2: COMPONENTS BY OTHERS (4.1.4)
(Refer to NOA if listed version was superseded to ensure use of latest version)

TYPE	DURO-LAST PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
INSULATIONS:	Duro-Guard ISO NB-E2	Elevate ISOGARD HG	FL10264	N/A
	N/A	RESISTA	FL10264	N/A
	N/A	DensDeck Roof Board	FL1250	22-1223.04
	N/A	DensDeck Prime Roof Board	FL1250	22-1223.04
	N/A	DensDeck StormX Prime Roof Board	N/A	N/A
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	25-0722.11
	N/A	DEXcell Cement Roof Board	FL17840	25-0722.11
	N/A	Insulfoam I EPS	N/A	24-1015.10
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
	N/A	Structodek High Density Fiberboard Roof Insulation	FL13792	23-0623.03
	N/A	Styrofoam Brand Roofmate	FL38732	23-1121.01
	N/A	Styrofoam Brand Highload 60	FL38732	23-1121.01
	N/A	Elastizell Lightweight Insulating Concrete	FL4994	23-0817.05
	N/A	Celcore Cellular Concrete	FL2037	24-0906.02
	N/A	Celcore MF Cellular Concrete	FL2037	24-0906.02
	N/A	Insulcel	N/A	23-1219.03
	N/A	Mearlcrete Lightweight Insulating Concrete	FL13492	24-0514.06
ADHESIVES:	Duro-Grip Weather-Tite One Step	I.S.O. Twin Pack	FL10264	N/A
	Duro-Grip OlyBond 500	I.S.O. Stick	FL10264	N/A
	TECH-Bond™ TPO Water Base Bonding Adhesive	Elevate Water Based Bonding Adhesive-P	FL10264	N/A
	Duro-Fleece Adhesive	XR Stick Membrane Adhesive	FL10264	25-0505.05
	N/A	I.S.O. Spray R	FL10264	25-0505.05
	N/A	Multi-Purpose MB Cold Adhesive	FL10264	25-0505.05
	TECH-Bond™ TPO Spray Adhesive	Jet Bond Spray Adhesive	FL10264	25-0505.05
	TECH-Bond™ TPO Bonding Adhesive	Elevate UltraPly Bonding Adhesive	FL10264	25-0505.05
	TECH-Bond™ TPO LVOC Bonding Adhesive	Elevate Single-Ply LVOC Bonding Adhesive	FL10264	25-0505.05
	N/A	Elevate Single-Ply LVOC Bonding Adhesive 1168	FL10264	25-0505.05
	N/A	XR Bonding Adhesive	FL10264	25-0505.05
	Duro-Grip CR-20 CRA	Polyset Commercial Roof Adhesive	FL1365	23-0718.11
PRIMERS:	Duro-Last VB Primer	Elastocol Stick	FL31780	23-1130.04
	N/A	Elastocol Stick H2O	N/A	N/A
	N/A	Elevate Single-Ply QuickPrime Primer	N/A	25-0505.05
	N/A	Elevate UltraPly TPO QuickPrime	N/A	N/A
ROLL GOODS:	Duro-Last Vapor Barrier	Sopravap'r	N/A	24-0610.08
	N/A	Elevate UltraPly TPO QuickSeam Flashing	N/A	23-0613.31
	N/A	Elevate UltraPly QuickSeam R.M.A. Strips	N/A	23-0613.31

TABLE 2: COMPONENTS BY OTHERS (4.1.4) *(Refer to NOA if listed version was superseded to ensure use of latest version)*				
TYPE	DURO-LAST PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ROLL GOODS:	N/A	Elevate MB Base	FL10264	25-0109.03
	N/A	Elevate SBS Base	FL10264	N/A
	N/A	Elevate Ply IV	FL10264	N/A
	N/A	Elevate Ply VI	FL10264	N/A
	N/A	Elevate SBS Premium Base	FL10264	25-0109.03
	N/A	Elevate SBS Glass Torch Base	FL10264	N/A
	N/A	Elevate SBS Glass Torch Base 1.5	FL10264	25-0109.03
	N/A	Elevate SBS Poly Base	FL10264	25-0109.03
	N/A	Elevate SBS Smooth	FL10264	N/A
	N/A	Elevate SBS Poly Torch Base	FL10264	25-0109.03
	N/A	Elevate SBS Premium Poly Base	FL10264	25-0109.03
	N/A	Elevate APP 160 COOL	FL10264	25-0109.03
	N/A	Elevate APP 170	FL10264	25-0109.03

3. INSTALLATION:

3.1 **Duro-Last Duro-Tech TPO Roof Systems** shall be installed in accordance with **Amrize Building Envelope, LLC (DURO-LAST)** published installation instructions, subject to the Limitations of Use noted herein.

3.1.1 Fasteners: Fasteners shall be of sufficient length for the following engagements.

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
Wood, engineered sheathing or plank	Elevate All-Purpose Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. ¾-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
Steel	Elevate #12 Insulation Fastener, All-Purpose Fastener, All-Purpose S Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Minimum ¾-inch penetration
Structural Concrete	Elevate Heavy-Duty or Concrete Drive Fastener with Elevate Insulation Fastening Plate	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment

3.1.2 Insulation:

(a) Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

(b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved (Local or Statewide) slip sheet, insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation, see Section 3.1.2(f). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

(c) Minimum 200 psi, minimum 2-inch thick FBC Approved (Local or Statewide) 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.

(d) 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 Florida Product Approval or NOA for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC 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.

(e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.

TABLE 4: INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS

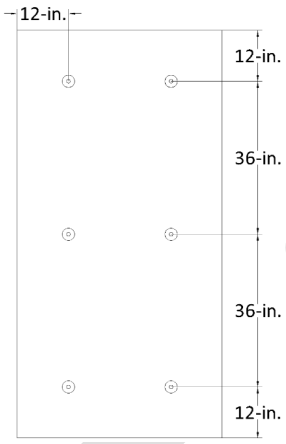
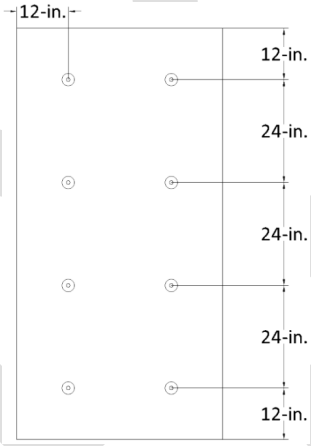
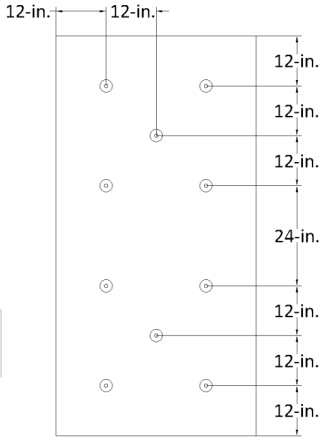
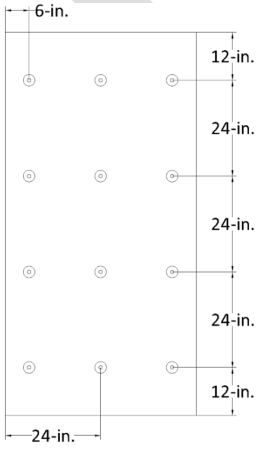
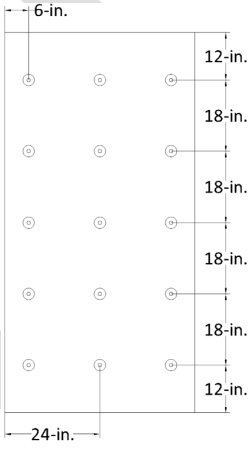
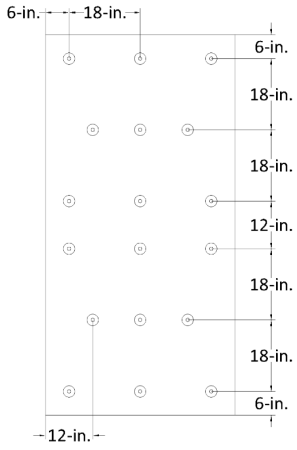
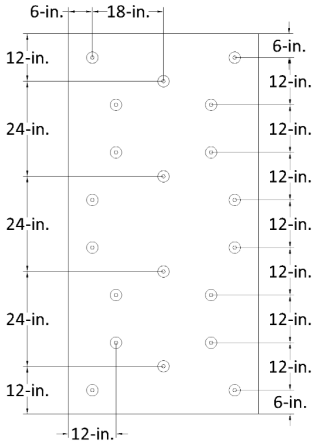
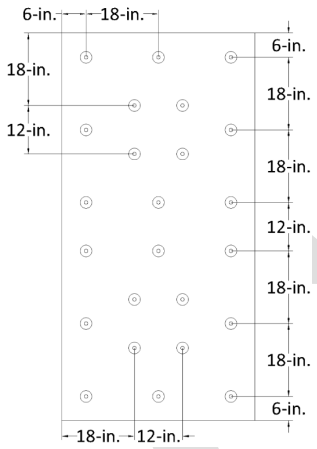
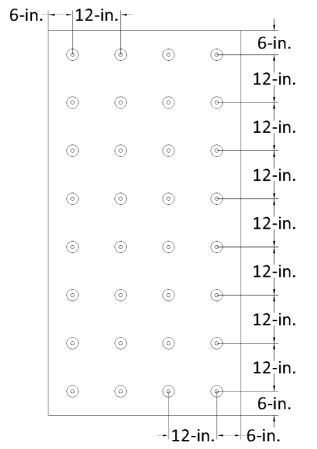
1 per 5.3 ft² (6 per board)	1 per 4.0 ft² (8 per board)	1 per 3.2 ft² (10 per board)
		
1 per 2.7 ft² (12 per board)	**1 per 2.1 ft² (15 per board)**	**1 per 1.8 ft² (18 per board)**
		

TABLE 4: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS		
1 per 1.6 ft² (20 per board)	1 per 1.3 ft² (24 per board)	1 per 1.0 ft² (32 per board)
		

(f) Preliminary insulation attachment:

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

(g) The following products are interchangeable within the scope of this NER:

TABLE 5: ACCEPTABLE ALTERNATES		
SUB-CATEGORY	LISTED PRODUCT	ALTERNATE PRODUCT
ROOFING INSULATION	ISO 95+ GL	Duro-Guard ISO II-E2, Duro-Guard ISO III-E2, Elevate ISOGARD GL, RESISTA or Elevate ISOGARD CG
	RESISTA	Duro-Guard ISO III-E2 or Elevate ISOGARD CG
	Elevate HailGard	Elevate ISOGARD HG
	DensDeck Prime	DensDeck StormX Prime Roof Board

3.1.3 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. 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.

- When applied to profiled steel roof deck, ribbons shall be applied to the top-flange so as to establish positive-contact with the overlying insulation board.

TABLE 6A: INSULATION ADHESIVE REFERENCES			
BY	ADHESIVE	REFERENCES	RATE
Amrize	I.S.O. Spray R	N/A	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
Duro-Last	Duro-Grip CR-20 CRA	CR-20 CRA	Continuous 2.5-3.5-inch ribbons, 12-inch o.c.
	Duro-Grip OlyBond 500	OB500	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
	Duro-Grip Weather-Tite One Step	M-OSA	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
Generic, ASTM D312, Type IV	Hot asphalt	N/A	Full coverage at 25-30 lbs/square

(b) 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.

TABLE 6B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS

ADHESIVE	LISTED PRODUCT	MIN. TAPERED THICKNESS (IN.)	MDP (PSF)
I.S.O. Spray R	ISO 95+ GL	0.5	-157.5
OB500		0.5	-187.5
M-OSA		0.5	-157.5
CR-20 CRA		1.0	-117.5
Hot asphalt		0.5	-120.0
I.S.O. Spray R, OB500 or M-OSA, 12-inch o.c.	RESISTA	0.5	-165.0
I.S.O. Spray R, OB500 or M-OSA, 6-inch o.c.		0.5	-405.0

(c) Adhered Insulation, Board Size:

- Non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.
- HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

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

TABLE 7: MEMBRANE / ADHESIVE COMBINATIONS

REFERENCE	MEMBRANE	ADHESIVE	APPLICATION	RATE
BB-TBSA	Duro-Tech TPO	TECH-Bond™ TPO Spray Adhesive	Contact (both sides)	1.75 to 2.2 lbs/sq with a 2 in. overlap to both the bottom surface of the roof cover and top surface of the substrate with a for a total of 3.5 to 4.4 lbs/sq.
BB-LVOC	Duro-Tech TPO	TECH-Bond™ TPO LVOC Bonding Adhesive	Contact (both sides)	45 to 60 ft^2/gal
BB-LVOC-1168	Duro-Tech TPO	Elevate Single-Ply LVOC Bonding Adhesive 1168	Contact (both sides)	45 to 60 ft^2/gal
BB-TBBA	Duro-Tech TPO	TECH-Bond™ TPO Bonding Adhesive	Contact (both sides)	45 to 60 ft^2/gal
BB-WBBA-P	Duro-Tech TPO	TECH-Bond™ TPO Water Base Bonding Adhesive	Contact (both sides)	100 to 120 ft^2/gal.
FB-TBSA	Duro-Tech TPO Fleece	TECH-Bond™ TPO Spray Adhesive	Contact (both sides)	2.5 to 2.7 lbs/sq with a 6 in. overlap to both the bottom surface of the roof cover and top surface of the substrate for a total of 5.0 to 5.4 lbs/sq.
FB-Spray R	Duro-Tech TPO Fleece	I.S.O. Spray R	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X'
FB-WBBA-P	Duro-Tech TPO Fleece	TECH-Bond™ TPO Water Base Bonding Adhesive	Wet lay (substrate)	100 to 120 ft^2/gal.
FB-OB500	Duro-Tech TPO Fleece	Duro-Grip OlyBond 500	Wet lay (substrate)	RIBBON, X: Continuous ribbons, spaced as noted 'X' or SPATTER: Spatter-pattern at 0.32 gal/square.
FB-XRBA	Duro-Tech TPO Fleece	XR Bonding Adhesive	Wet lay (substrate)	70 to 90 ft^2/gal
FB-DFA	Duro-Tech TPO Fleece	Duro-Fleece Adhesive	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X'
FB-HA	Duro-Tech TPO Fleece	Hot asphalt	Wet lay (substrate)	20-40 lbs/square

(b) For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. For membrane attachment using batten-strips, batten-strip end laps shall be spliced with sufficient dimension to allow for minimum 2-fasteners at each batten-strip lap.

(c) For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.

3.1.5 Thermal Barrier and/or Vapor Barrier Options:

(a) For System Types B-1, B-2 and C-1 over steel deck, Duro-Last Vapor Barrier, self-adhered, may be installed atop the steel roof deck prior to installation of subsequent insulation components. Refer to FM Loss Prevention Data Sheet 1-29 for design and installation limitations.

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

4. LIMITATIONS OF USE:

4.1 General:

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

4.1.2 Roof Decks:

(a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

(b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.

(c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

(d) The table below lists various 'as-tested' deck conditions in accordance with Testing Application Standard TAS 114(J). In no case shall these values be used to 'increase' the MDP listings for the selected systems; the lesser MDP applies.

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

TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (psf)
15/32-inch APA rated CDX plywood	24	0.113-inch x 2-3/8" ring shank nails	6	-67.5
19/32-inch APA rated CDX plywood	24	0.113-inch x 2-3/8" ring shank nails	6	-52.5
	24	8d wood screws	6	-82.5
22 ga., Type B, Grade 33 steel	72	#12 HWH Teks 5	6	-150.0
Min. 22 ga., type B, Grade 80 steel	72	#12 HWH Teks 5	6	-150.0

4.1.3 Fire Classification:

(a) Refer to **FBC 1505, FBC HVHZ 1516 and UL** TGFU.R10128 and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

(b) Refer to **IBC or FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C.** Rule 61G20-3. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the Florida Product Approval or NOA of the component manufacturer.

4.2 Jurisdiction Specific:

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

4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

4.3.1 Thermal Barriers / Vapor Barriers: The lesser of the MDP listings below vs. that for the selected roof assembly from Section 4.3.2 applies.

(a) Structural Concrete Decks:

TABLE VB-1: STRUCTURAL CONCRETE DECK
VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	PRIMER	VAPOR BARRIER		ADHESIVE PER TABLE 11A (3.1.3)	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	Base Ply: Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base, Elevate SBS Premium Base, Elevate SBS Premium Poly Base, Elevate APP 160 COOL, Elevate APP 170 COOL	Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	ASTM D41	Elevate MB Base	M-OSA, 4" o.c.	M-OSA	-232.5
C-VB-3.	ASTM D41	1 or 2 plies Elevate Ply IV or Elevate Ply VI or 1 ply Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base or Elevate SBS Premium Base	Hot asphalt	Hot asphalt	-120.0
C-VB-4.	ASTM D41	1 or 2 plies Elevate Ply IV or Elevate Ply VI or 1 ply Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base or Elevate SBS Premium Base	Hot asphalt	I.S.O. Spray R or M-OSA	-495.0
C-VB-5.	ASTM D41	Elevate SBS Poly Torch Base, Elevate SBS Glass Torch Base, Elevate SBS Glass Torch Base 1.5, Elevate SBS Smooth	Torch-applied	I.S.O. Spray R or M-OSA	-495.0
C-VB-6.	ASTM D41	Elevate MB Base, SBS, Base, Elevate SBS Poly Base, Elevate SBS Premium Base or Elevate SBS Premium Poly Base	Hot asphalt	OB500, 4-inch o.c.	-337.5
C-VB-7.	ASTM D41	Elevate SBS Poly Torch Base, Elevate SBS Glass Torch Base, Elevate SBS Glass Torch Base 1.5, Elevate SBS Smooth	Torch-applied	OB500, 4-inch o.c.	-337.5
C-VB-8.	Duro-Last VB Primer	Duro-Last Vapor Barrier	Self-adhering	I.S.O. Spray R	-255.0
C-VB-9.	Duro-Last VB Primer	Duro-Last Vapor Barrier	Self-adhering	OB500	-262.5
C-VB-10.	Duro-Last VB Primer	Duro-Last Vapor Barrier	Self-adhering	M-OSA	-255.0

4.3.2 Roof Assemblies:

ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
9A	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	12
9B	Wood	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	14
9C	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (stress plates)	15
9D	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (batten strips)	16
9E	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	16
10A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	16
10B	Steel	New or Reroof (Tear-Off)	A-1	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	17
10C	Steel	New or Reroof (Tear-Off)	A-1	Bonded Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	17
10D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	18
10E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Base Insulation, Bonded Vapor Barrier, Bonded Top Insulation, Bonded Roof Cover	24
10F	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	25
10G	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	32
10H	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	33
10I	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	37
10J	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	39
11A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	40
11B	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	48
12A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	49
12B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	59
13A	Cementitious Wood Fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	61
13B	Cementitious Wood Fiber	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	62
14A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	62
14B	Existing Gypsum	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	63
14C	Existing Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	64
15A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	64
15B	Steel	Recover	C-2	Induction Welded Roof Cover	71
15C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	72
15D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (RMA Strips)	73
15E	Steel	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	73
15F	Various	Recover	F	Non-Insulated, Bonded Roof Cover	73

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LINK TO TOP OF ATTACHMENT REQUIREMENTS

TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2)	Attach (3.1.2)		
DURO-TECH TPO SYSTEMS:							
W-1.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-30.0* (NO HVHZ)
W-2.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0
W-3.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
W-4.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0
W-5.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
W-6.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
W-7.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
W-8.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
W-9.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
W-10.	Plywood, APA, 23/32-inch, rating 48/24, Grade CDX	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC or BB-TBBA	-45.0*
W-11.	Plywood, APA, 23/32-inch, rating 48/24, Grade CDX	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
W-12.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.13 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
W-13.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0

TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2)	Attach (3.1.2)		
W-14.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck or DensDeck Prime	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0
W-15.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-52.5
W-16.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-67.5
DURO-TECH TPO FLEECE / HOT ASPHALT SYSTEMS:							
W-17.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	FB-HA	-45.0*
W-18.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft^2	FB-HA	-45.0*
W-19.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	FB-HA	-45.0
DURO-TECH TPO FLEECE / TECH-BOND™ TPO SPRAY ADHESIVE SYSTEMS:							
W-20.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	FB-TBSA	-45.0*
W-21.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft^2	FB-TBSA	-45.0*
W-22.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	FB-TBSA	-45.0
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:							
W-23.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
W-24.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.13 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*

TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2)	Attach (3.1.2)		
W-25.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft^2	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0*
W-26.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0
DURO-TECH TPO FLEECE / DURO-FLEECE ADHESIVE SYSTEMS:							
W-27.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	FB-DFA (RIBBON, 12)	-45.0*
W-28.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.13 ft^2	FB-DFA (RIBBON, 12)	-45.0*
W-29.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft^2	FB-DFA (RIBBON, 12)	-45.0

TABLE 9B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (4.1.2)	Thermal Barrier and/or Insulation Layer (4.2.2)	Attach (3.1.2)		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.2)	Density / Pattern		
W-30.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	6 parts per 4 x 8 ft board 1 per 5.3 ft^2	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
W-31.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	8 parts per 4 x 8 ft board 1 per 4.0 ft^2	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*

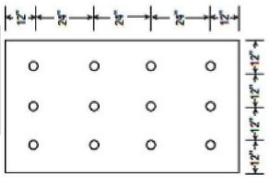
TABLE 9B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (4.1.2)	Thermal Barrier and/or Insulation Layer (4.2.2)	Attach (3.1.2)		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.2)	Density / Pattern		
W-32.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	Max. 6-inch o.c. in rows max. 72-inch o.c.	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-33.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Any approved thermal barrier and/or insulation, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	12 parts per 4 x 8 ft board 1 per 2.7 ft^2 	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-34.	Code minimum plywood or OSB (NO HVHZ)	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	Fastener spaced max. 6-inch o.c. in rows spaced max. 96-inch o.c. along wood structural members	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0
W-35.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

TABLE 9C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATE)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
W-36.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch Duro-Guard ISO HD-E2 and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0* (NO HVHZ)
W-37.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch Duro-Guard ISO HD-E2 and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0*
W-38.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch Duro-Guard ISO HD-E2 and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	24-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0*

TABLE 9C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATE)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
W-39.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Optional min. 1-inch ISO 95+ GL or RESISTA followed by min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch Duro-Guard ISO HD-E2, min. 1-inch RESISTA or min. 1.5-inch Duro-Guard ISO HD Composite-E2	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	5-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
W-40.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or nominal 1-inch wood plank	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90.5-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-60.0

TABLE 9D: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTEN STRIPS)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (3.1.2)	Attach	
W-41.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate UltraPly QuickSeam R.M.A. Strips with Elevate All-Purpose Fastener with TPO Polymer Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 96-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with Elevate Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-30.0 (NO HVHZ)

TABLE 9E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER					
System No.	Deck (4.1.2)	Roof Cover			MDP (psf)
		Membrane	Fasten (4.2.2)	Attach	
W-42.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0

TABLE 10A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:							
SC-1.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISO 95+ GL	OB500 or M-OSA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	OB500 or M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*

TABLE 10A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach	Type	Attach (3.1.3)		
SC-2.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	M-OSA, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-75.0*

TABLE 10B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:								
SC-3.	Min. 22 ga., type B, Grade 33 steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R or M-OSA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-37.5 (NO HVHZ)
SC-4.	Min. 22 ga., type B, Grade 33 steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISO 95+ GL	OB500 or I.S.O. Spray R or M-OSA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	OB500 or I.S.O. Spray R or M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-5.	Min. 22 ga., type B, Grade 33 steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO 95+ GL	M-OSA, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0*

TABLE 10C: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (4.1.2)	Thermal Barrier		Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:										
SC-6.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	OB500, 12-inch o.c. along top flanges of steel deck	BASEGARD SA with min. 3-inch side laps self-adhered	Min. 0.5-inch ISO 95+ GL	Hot asphalt	(Optional) Additional layers base insulation	Hot asphalt	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:								
SC-7.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	3.1.1	1 per 4.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-37.5* (NO HVHZ)
SC-8.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Optional min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	3.1.1	1 per 2.7 ft²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	3.1.1	1 per 4.0 ft²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 4.0 ft²	Min. 1.5-inch Duro-Guard ISO HD Composite-E2	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.7 ft²	Min. 1.5-inch Duro-Guard ISO HD Composite-E2	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	BB-WBBA-P	-45.0
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA, OB500 or CR-20 CRA	BB-TBSA or BB-TBBA	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA, OB500 or CR-20 CRA	BB-LVOC-1168	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA, OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft²	Optional min. 1.5-inch ISO 95+ GL or min. 0.5-inch Tapered ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-23.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-24.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-25.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.8 ft²	Min. 1.5-inch Duro-Guard ISO HD Composite-E2	OB500, 12-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-26.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.8 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-67.5
SC-27.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.8 ft²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-67.5
SC-28.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.6 ft²	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-75.0
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-82.5
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-90.0

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 1-inch ISO 95+ GL	OB500; M-OSA, 4-inch o.c.	BB-WBBA-P	-105.0
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-105.0
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-105.0
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R, 6-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-105.0
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2 or min. 19/32-inch plywood	I.S.O. Spray R, 6-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-105.0
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-112.5
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	3.1.1	1 per 1.0 ft²	Min. 1.5-inch RESISTA	OB500; I.S.O. Spray R; M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-120.0
SC-38.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-127.5
SC-39.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-135.0
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:								
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.7 ft²	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-30.0* (NO HVHZ)
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 4.0 ft²	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-37.5* (NO HVHZ)
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft²	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-45.0*

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by optional min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Duro-Guard ISO HD-E2 or min. 19/32-inch plywood	I.S.O. Spray R	FB-TBSA	-45.0*
SC-44.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-45.0*
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-TBSA	-60.0
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 1-inch ISO 95+ GL or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-TBSA	-67.5
DURO-TECH TPO FLEECE / I.S.O. SPRAY R OR DURO-FLEECE ADHESIVE SYSTEMS:								
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-30.0* (NO HVHZ)
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-37.5* (NO HVHZ)
SC-49.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by optional min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-45.0*

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Optional min. 1-inch ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-60.0
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-60.0
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
SC-59.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.0 ft^2	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 6)	-82.5
SC-60.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.0 ft^2	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	FB-DFA (RIBBON, 6)	-82.5
SC-61.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.0 ft^2	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 6)	-97.5
SC-62.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.0 ft^2	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	FB-DFA (RIBBON, 6)	-97.5
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft^2	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-127.5
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft^2	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-127.5

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:								
SC-65.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-30.0* (NO HVHZ)
SC-66.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-37.5* (NO HVHZ)
SC-67.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-68.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by optional min. 0.5-inch DensDeck Prime or min. 19/32-inch plywood	I.S.O. Spray R	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by optional min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0*
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R	FB-OB500 (RIBBON, 4 or SPATTER)	-45.0*
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0*
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	Optional min. 1-inch ISO 95+ GL followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-74.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-OB500 (RIBBON, 6 or SPATTER)	-60.0
SC-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5
SC-76.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA, 6-inch o.c.	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5

TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY FASTENED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2)	Type	Attach (3.1.3)		
SC-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA, 4-inch o.c.	FB-OB500 (RIBBON, 4 or SPATTER)	-127.5
DURO-TECH TPO FLEECE / TECH-BOND™ TPO WATER BASE BONDING ADHESIVE SYSTEMS:								
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-WBBA-P	-37.5* (NO HVHZ)
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:								
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	Min. 1.5-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-XRBA	-45.0*

TABLE 10E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:									
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.75-inch FM Approved perlite	3.1.1	1 per 2.0 ft²	Two plies Elevate Type IV or Type VI in hot asphalt	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt or OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-81.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft²	Elastocol Stick H2O; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-37.5* (NO HVHZ)
SC-82.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft²	Elastocol Stick H2O; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	Duro-Last VB Primer; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*

TABLE 10E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		Type	Attach (3.1.3)		
SC-84.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft^2	Duro-Last VB Primer; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL; Min. 0.5-inch Duro-Guard ISO HD-E2 or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board; or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-85.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft^2	Duro-Last VB Primer; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL; Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-TBBA or BB-WBBA-P	-45.0*
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:									
SC-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft^2	Duro-Last VB Primer; Duro-Last Vapor Barrier, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-XRBA	-45.0*

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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
DURO-TECH TPO SYSTEMS:							
SC-87.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 3.2 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-30.0* (NO HVHZ)

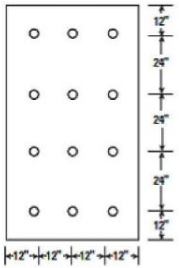
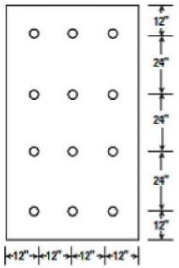
TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-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-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2 	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-37.5* (NO HVHZ)
SC-89.	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 RESISTA	3.1.1	1 per 5.3 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-37.5* (NO HVHZ)
SC-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. 2-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-91.	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. 1.25-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2 	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-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. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*

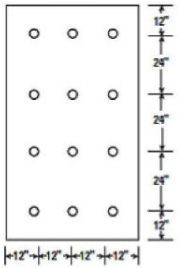
TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-93.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2 	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0
SC-94.	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 RESISTA	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-95.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 2.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-96.	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 Duro-Guard ISO HD Composite-E2	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-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 Duro-Guard ISO HD Composite-E2	3.1.1	1 per 1.3 ft^2	BB-WBBA-P	-45.0
SC-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. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 1.3 ft^2	BB-WBBA-P	-45.0
SC-100.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft^2	BB-TBSA, BB-LVOC or BB-TBBA	-45.0*
SC-101.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0*
SC-102.	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 DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*

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TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-104.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-45.0
SC-105.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0
SC-106.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener	1 per 2.7 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-45.0
SC-107.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-52.5
SC-108.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener	1 per 1.6 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-52.5
SC-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. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-60.0
SC-110.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-111.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-112.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 1.3 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-113.	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 Duro-Guard ISO HD Composite-E2	3.1.1	1 per 1.3 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
SC-114.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-67.5
SC-115.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.3 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-75.0
SC-116.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-75.0
SC-117.	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 Elevate HailGard	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-75.0
SC-118.	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 ISO 95+ GL	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-75.0

TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-119.	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 RESISTA	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-75.0
SC-120.	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 RESISTA	3.1.1	1 per 1.0 ft^2	BB-WBBA-P	-75.0
SC-121.	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 RESISTA	3.1.1	1 per 1.6 ft^2	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-82.5
SC-122.	Min. 22 ga., type B, 60 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft^2	BB-TBSA or BB-TBBA	-82.5
SC-123.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1	1 per 1.0 ft^2	BB-TBSA	-82.5
SC-124.	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 ISO 95+ GL	3.1.1	1 per 1.3 ft^2	BB-TBBA or BB-LVOC-1168	-90.0
SC-125.	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 RESISTA	3.1.1	1 per 1.3 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-105.0
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft^2	BB-TBBA or BB-LVOC-1168	-105.0
SC-127.	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 ISO 95+ GL	3.1.1	1 per 1.0 ft^2	BB-TBBA	-112.5
SC-128.	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 RESISTA	3.1.1	1 per 1.0 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-112.5
SC-129.	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 Duro-Guard ISO HD Composite-E2	3.1.1	1 per 1.3 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-112.5
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-112.5
SC-131.	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 Duro-Guard ISO HD Composite-E2	3.1.1	1 per 1.3 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-120.0
SC-132.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Duro-Guard ISO II-E2	3.1.1	1 per 1.0 ft^2	BB-TBBA	-135.0
SC-133.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Duro-Guard ISO III-E2	3.1.1	1 per 1.0 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-135.0
SC-134.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL *(no Duro-Guard ISO II-E2 or Elevate ISOGARD GL)*	3.1.1	1 per 1.0 ft^2	BB-TBBA	-150.0
SC-135.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA *(no Duro-Guard ISO III-E2 or Elevate ISOGARD CG)*	3.1.1	1 per 1.0 ft^2	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-150.0

TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-136.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 1.0 ft^2	BB-TBBA or BB-LVOC-1168	-150.0
SC-137.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate HailGard	3.1.1 (Heavy Duty only for steel)	1 per 1.0 ft^2	BB-TBBA or BB-LVOC-1168	-150.0
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:							
SC-138.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2	FB-TBSA	-37.5* (NO HVHZ)
SC-139.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	FB-TBSA	-45.0*
SC-140.	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. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	FB-TBSA	-45.0*
SC-141.	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, min. 19/32-inch plywood or min. 0.5-inch Duro-Guard ISO HD-E2 or Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft^2	FB-TBSA	-45.0*
SC-142.	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 ISO 95+ GL	3.1.1	1 per 1.6 ft^2	FB-TBSA	-67.5
SC-143.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1	1 per 1.0 ft^2	FB-TBSA	-82.5
DURO-TECH TPO FLEECE / I.S.O. SPRAY R OR DURO-FLEECE ADHESIVE SYSTEMS:							
SC-144.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-37.5* (NO HVHZ)
SC-145.	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 ISO 95+ GL	3.1.1	1 per 2.0 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-146.	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. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-147.	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, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*

TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-148.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 2.1 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0*
SC-149.	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 Duro-Guard ISO HD-E2	3.1.1	1 per 2.0 ft^2	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-45.0*
SC-150.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL or RESISTA	3.1.1	1 per 1.0 ft^2	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-82.5
SC-151.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	3.1.1	1 per 1.6 ft^2	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
SC-152.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Duro-Guard ISO II-E2	3.1.1	1 per 1.0 ft^2	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-135.0
SC-153.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL *(no Duro-Guard ISO II-E2 or Elevate ISOGARD GL)*	3.1.1	1 per 1.0 ft^2	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-142.5
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:							
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISO 95+ GL	3.1.1	1 per 2.7 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-37.5* (NO HVHZ)
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 2.0 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-156.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISO 95+ GL	3.1.1	1 per 4.0 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-157.	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 min. 19/32-inch plywood	3.1.1	1 per 2.0 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-158.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft^2	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0*
SC-159.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch Duro-Guard ISO HD-E2	3.1.1	1 per 2.1 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0*
SC-160.	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 Duro-Guard ISO HD-E2	3.1.1	1 per 2.0 ft^2	FB-OB500 (RIBBON, 4 or SPATTER)	-45.0*
SC-161.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	3.1.1	1 per 1.0 ft^2	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5

TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.2)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.2), (3.1.1)	Attach (3.1.2)		
SC-162.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	3.1.1	1 per 1.0 ft²	FB-OB500 (RIBBON, 12 or SPATTER)	-82.5
SC-163.	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 ISO 95+ GL	3.1.1	1 per 1.6 ft²	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5
SC-164.	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 ISO 95+ GL *(no Duro-Guard ISO II-E2 or Elevate ISOGARD GL)*	3.1.1	1 per 1.0 ft²	FB-OB500 (RIBBON, 4 or SPATTER)	-142.5
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:							
SC-165.	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 min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.7 ft²	FB-XRBA	-45.0*

TABLE 10G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)	Attach (4.2.2)		Roof Cover (3.1.4)	MDP (psf)
				Fasten	Density / Pattern		
SC-166.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener or Elevate Concrete Drive (concrete only) and Duro-Bond TPO Plate	Max. 18-inch o.c. in rows max. 60-inch o.c.	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0 (NO HVHZ)
SC-167.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener or Elevate Concrete Drive (concrete only) and Duro-Bond TPO Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0
SC-168.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Duro-Last #15 Heavy Duty Screw Fastener or Elevate Concrete Drive (concrete only) and Duro-Bond TPO Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5
SC-169.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 5.3 ft² (6 parts per 4x8 ft board) Per FM LPDS 1-29	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
SC-170.	Min. 22 ga., type B, 50 ksi steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2.5-inch ISO 95+ GL, RESISTA or Duro-Guard ISO HD Composite-E2	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 4.0 ft² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5

TABLE 10G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)	Attach (4.2.2)		Roof Cover (3.1.4)	MDP (psf)
				Fasten	Density / Pattern		
SC-171.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered	Min. 2.5-inch ISO 95+ GL, RESISTA or Duro-Guard ISO HD Composite-E2	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 4.0 ft² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
SC-172.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 4.0 ft² (8 parts per 4x8 ft board) Per FM LPDS 1-29	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-60.0
SC-173.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Duro-Last #15 Heavy Duty Screw Fastener with alternating Rows of: 1.) Duro-Bond TPO Plate 2.) Elevate Insulation Fastening Plate	1 per 2.0 ft² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-67.5
SC-174.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 2.7 ft² (12 parts per 4x8 ft board) Per FM LPDS 1-29	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0
SC-175.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Duro-Last #15 Heavy Duty Screw Fastener and Duro-Bond TPO Plate	1 per 2.0 ft² (16 parts per 4x8 ft board) Per FM LPDS 1-29	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-105.0

TABLE 10H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)								
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-176.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	18-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-177.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	18-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-178.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)

TABLE 10H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)								
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-179.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO Fleece	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-180.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-181.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	18-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-37.5 (NO HVHZ)
SC-182.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)
SC-183.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)
SC-184.	Min. 22 ga., type B, 60 ksi steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO 95+ GL , RESISTA or Duro-Guard ISO HD Composite-E2	3.1.1 (HD only) 1 per 5.3 ft² 24x36-inch grid, 12-inch from board edges	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)
SC-185.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-186.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-187.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0

TABLE 10H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)								
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-188.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate or Elevate UltraPly TPO Wide Weld Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-189.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-190.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate or Elevate UltraPly TPO Wide Weld Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-191.	Min. 22 ga., type B, 60 ksi steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISO 95+ GL, RESISTA or Duro-Guard ISO HD-E2	3.1.1 (HD only) 1 per 8 ft^2 24x72-inch grid	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-192.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-193.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-194.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered	Min. 3-inch ISO 95+ GL or RESISTA	3.1.1 (HD only) 1 per 4.0 ft^2 24x24-inch grid	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5

TABLE 10H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)								
System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-195.	Min. 22 ga., type B, 60 ksi steel	Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISO 95+ GL , RESISTA or Duro-Guard ISO HD-E2	3.1.1 (HD only) 1 per 5.3 ft² 24x36-inch grid, 12-inch from board edges	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-196.	Min. 22 ga., type B, Grade 80 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-197.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 7-inch wide laps spaced 89-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-198.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-199.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-200.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5
SC-201.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-82.5
SC-202.	Min. 22 ga., type B, 60 ksi steel	Two (2) layers, Duro-Last Vapor Barrier with min. 3-inch side laps self-adhered	Min. 3-inch ISO 95+ GL, RESISTA or Duro-Guard ISO HD Composite-E2	3.1.1 (HD only) 1 per 5.3 ft² 24x36-inch grid, 12-inch from board edges	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-82.5
SC-203.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-90.0

TABLE 10I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-204.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-30.0 (NO HVHZ)
SC-205.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick ISO 95+GL	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with TPO Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-30.0 (NO HVHZ)
SC-206.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with TPO Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-37.5 (NO HVHZ)
SC-207.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate UltraPly QuickSeam R.M.A. Strips with Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 72-inch o.c. The batten is centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with Elevate Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-37.5 (NO HVHZ)
SC-208.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with TPO Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-45.0
SC-209.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate UltraPly QuickSeam R.M.A. Strips with Duro-Last #15 Extra Heavy Duty Drill Point Fastener with TPO Coiled Metal Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with Elevate UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller.	-45.0
SC-210.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-52.5
SC-211.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip or TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten in field of the roof spaced 144-inch o.c. Battens sealed with 5-inch wide cover strip, with 1.5-inch heat weld on each side of the strip or by applying Elevate TPO QuickSeam Flashing atop batten.	-60.0

TABLE 10I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-212.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-213.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-214.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Coiled Metal Batten Strip or TPO Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-215.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-216.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip or TPO Coiled Metal Batten Strip or Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-75.0
SC-217.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip or TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-82.5
SC-218.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) with TPO Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 68-inch o.c. Laps sealed with 5-inch heat weld that encapsulates battens.	-82.5
SC-219.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-90.0
SC-220.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with TPO Polymer Batten Strip or TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-97.5

TABLE 10I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)							
System No.	Deck (4.1.2)	Insulation (4.2.2)		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.2)	Attach	
SC-221.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5
SC-222.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board loose laid over min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) with TPO Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5
SC-223.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Duro-Tech TPO	Elevate Heavy-Duty Plus Fastener (steel only) with TPO Polymer Batten Strip	Lap Row: Fastener 6-inch o.c. through battens within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates the batten. Field Row: Fastener 6-inch o.c. through battens in one intermediate row between laps. Batten strips covered with 5-inch wide Elevate UltraPly TPO strips sealed on both sides with 1.5-inch heat weld.	-135.0

TABLE 10I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Insulation (4.2.2)		Base Sheet			Roof Cover (3.1.4)	MDP (psf)
		Type	Attach	Type	Fasten (4.2.2), (3.1.1)	Attach		
SC-224.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination	Loose Laid	Elevate SBS Base	3.1.1	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	FB-DFA (RIBBON, 12). Ribbons centered between base sheet fastener rows	-37.5* (NO HVHZ)
SC-225.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination	Loose Laid	Elevate SBS Base	3.1.1	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	FB-DFA (RIBBON, 12). Ribbons placed atop stress plates in base sheet fastener rows	-45.0*
SC-226.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch thick, one or more layers, any combination	Loose Laid	Elevate MB Base	3.1.1	Max. 12-inch o.c. at the min. 2-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	FB-HA	-45.0*

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

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:								
C-1	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL or RESISTA	Hot Asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-180.0
C-2	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BB-TBSA or BB-TBBA	-195.0
C-3	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BB-LVOC-1168	-195.0
C-4	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Hot Asphalt	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-195.0
C-5	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-165.0
C-6	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA, 8-inch o.c.	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-240.0
C-7	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-285.0
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; M-OSA	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA	BB-WBBA-P	-165.0
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; M-OSA, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA, 8-inch o.c.	BB-WBBA-P	-240.0
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; M-OSA, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA, 6-inch o.c.	BB-WBBA-P	-247.5
C-11	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; M-OSA, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; M-OSA, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-360.0
C-12	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray R; M-OSA	Min. 1-inch RESISTA	I.S.O. Spray R; M-OSA	BB-LVOC-1168	-450.0
C-13	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-127.5
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-127.5
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA or BB-TBBA	-157.5
C-16	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA, 8-inch o.c.	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-187.5

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

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-17	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 8-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA, 8-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
C-18	Min. 2,500 psi structural concrete	None	Two layers min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA, 8-inch o.c.	BB-TBSA or BB-TBBA	-195.0
C-19	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-247.5
C-20	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA, 4-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-247.5
C-21	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-LVOC-1168	-262.5
C-22	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-262.5
C-23	Min. 2,500 psi structural concrete	None	(Optional) One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-TBSA	-172.5
C-24	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-WBBA-P	-222.5
C-25	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-TBBA or BB-LVOC-1168	-247.5
C-26	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	None	N/A	BB-TBBA, BB-LVOC-1168 or BB-WBBA-P	-300.0
C-27	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-270.0
C-28	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-195.0
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-240.0
C-30	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-150.0
C-31	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	OB500	(Optional) Additional layers of base insulation	OB500	BB-WBBA-P	-150.0
C-32	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	OB500, 6-inch o.c.	(Optional) Additional layers of base insulation	OB500, 6-inch o.c.	BB-WBBA-P	-247.5

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-33	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	OB500, 6-inch o.c.	(Optional) Additional layers of base insulation	OB500, 6-inch o.c.	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-360.0
C-34	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	OB500	Min. 1-inch RESISTA	OB500	BB-LVOC-1168	-450.0
C-35	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-150.0
C-36	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-150.0
C-37	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-150.0
C-38	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-262.5
C-39	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-262.5
C-40	Min. 2,500 psi structural concrete	None	(Optional) One or more layers, min. 1.5-inch ISO 95+ GL	OB500	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-TBSA	-172.5
C-41	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	OB500	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-WBBA-P	-247.5
C-42	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	OB500	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-TBBA or BB-LVOC-1168	-300.0
C-43	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	OB500, 6-inch o.c.	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500, 6-inch o.c.	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-360.0
C-44	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	None	N/A	BB-TBBA, BB-LVOC-1168 or BB-WBBA-P	-405.0
C-45	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	None	N/A	BB-TBBA or BB-LVOC-1168	-405.0
C-46	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	(Optional) Additional layers of base insulation	OB500, 4-inch o.c.	BB-TBSA or BB-TBBA	-337.5
C-47	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	BB-TBSA or BB-TBBA	-337.5

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-48	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 7/16-inch DEXcell Cement Roof Board	OB500, 4-inch o.c.	BB-TBBA	-337.5
DURO-TECH TPO FLEECE / HOT ASPHALT SYSTEMS:								
C-49	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	FB-HA	-232.5
C-50	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Additional layers of base insulation	Hot asphalt	FB-HA	-300.0
C-51	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	None	N/A	FB-HA	-382.5
C-52	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	None	N/A	FB-HA	-487.5
C-53	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	FB-HA	-457.5
C-54	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Two layers min. 1.5-inch ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	FB-HA	-300.0
C-55	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	FB-HA	-390.0
C-56	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-HA	-187.5
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:								
C-57	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-TBSA	-172.5

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-58	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-TBSA	-172.5
C-59	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-TBSA	-172.5
C-60	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	I.S.O. Spray R; M-OSA; OB500	FB-TBSA	-45.0
C-61	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	FB-TBSA	-112.5
C-62	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	(Optional) Additional layers of base insulation	OB500, 4-inch o.c.	FB-TBSA	-292.5
C-63	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood or min. 0.5-inch Duro-Guard ISO HD-E2	OB500, 4-inch o.c.	FB-TBSA	-292.5
DURO-TECH TPO FLEECE / I.S.O. SPRAY R OR DURO-FLEECE ADHESIVE SYSTEMS:								
C-64	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-142.5
C-65	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
C-66	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-67	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
C-68	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
C-69	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
C-70	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-60.0
C-71	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
C-72	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	I.S.O. Spray R; M-OSA; OB500	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
C-73	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-112.5
C-74	Min. 2,500 psi structural concrete	None	(Optional) Min. 1-inch ISO 95+ GL	I.S.O. Spray R	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-360.0
C-75	Min. 2,500 psi structural concrete	None	(Optional) Min. 1-inch ISO 95+ GL	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	FB-DFA (RIBBON, 4)	-360.0
C-76	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	(Optional) Additional layers of base insulation	OB500, 4-inch o.c.	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-337.5

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-77	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood or min. 0.5-inch Duro-Guard ISO HD-E2	OB500, 4-inch o.c.	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-337.5
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:								
C-78	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6)	-127.5
C-79	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6)	-142.5
C-80	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
C-81	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, RESISTA or min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500, 6-inch o.c.	None	N/A	FB-OB500 (RIBBON, 4 or SPATTER)	-412.5
C-82	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6)	-82.5
C-83	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
C-84	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6)	-60.0
C-85	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
C-86	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 12)	-45.0
C-87	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6)	-60.0

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-88	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
C-89	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	I.S.O. Spray R; M-OSA; OB500	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0
C-90	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	FB-OB500 (RIBBON, 4 or SPATTER)	-112.5
C-91	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	OB500, 4-inch o.c.	(Optional) Additional layers of base insulation	OB500, 4-inch o.c.	FB-OB500 (RIBBON, 4 or SPATTER)	-337.5
C-92	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood	OB500, 4-inch o.c.	FB-OB500 (RIBBON, 4 or SPATTER)	-247.5
C-93	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500, 4-inch o.c.	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	FB-OB500 (RIBBON, 4 or SPATTER)	-337.5
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:								
C-94	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	FB-XRBA	-232.5
C-95	Min. 2,500 psi structural concrete	ASTM D41	One or two layers min. 1.5-inch ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	FB-XRBA	-300.0
C-96	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	FB-XRBA	-112.5
C-97	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA; OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA; OB500	FB-XRBA	-390.0

TABLE 11A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-98	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	FB-XRBA	-300.0
C-99	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-XRBA	-187.5

TABLE 11B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER						
System No.	Deck (4.1.2)	Primer	Roof Cover (3.1.4)			MDP (psf)
			Base Ply	Application	Cap Ply	
C-100	Min. 2,500 psi structural concrete	None	None	N/A	FB-DFA (RIBBON, 12)	-97.5
C-101	Min. 2,500 psi structural concrete	None	None	N/A	FB-DFA (RIBBON, 6)	-150.0
C-102	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	FB-XRBA	-180.0
C-103	Min. 2,500 psi structural concrete	None	None	N/A	FB-XRBA	-360.0
C-104	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	FB-HA	-382.5
C-105	Min. 2,500 psi structural concrete	None	None	N/A	FB-Spray R (RIBBON, 4)	-472.5
C-106	Min. 2,500 psi structural concrete	None	None	N/A	FB-HA	-487.5
C-107	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	FB-HA	-495.0
C-108	Min. 2,500 psi structural concrete	None	None	N/A	FB-OB500 (RIBBON, 4 or SPATTER)	-495.5
C-109	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base or Elevate SBS Premium Base	Hot asphalt	FB-Spray R (RIBBON, 4)	-240.0
C-110	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base or Elevate SBS Premium Base	Hot asphalt	FB-DFA (RIBBON, 4)	-315.0
C-111	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of Elevate MB Base, Elevate SBS Base, Elevate SBS Poly Base or Elevate SBS Premium Base	Hot asphalt	FB-Spray R (RIBBON, 4)	-360.0

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:								
CELCORE (NOA 24-0906.02):								
LWC-1	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	M-OSA	BB-WBBA-P	-45.0
LWC-2	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	M-OSA	BB-WBBA-P	-135.0
LWC-3	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	BB-WBBA-P	-135.0
LWC-4	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	M-OSA	BB-WBBA-P	-135.0
LWC-5	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5
LWC-6	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5
LWC-7	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	M-OSA	BB-TBSA	-172.5
LWC-8	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-9	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	BB-TBSA	-172.5
LWC-10	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5
LWC-11	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5
LWC-12	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-217.5
LWC-13	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	M-OSA	BB-WBBA-P	-217.5
LWC-14	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500	BB-WBBA-P	-45.0
LWC-15	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500	BB-WBBA-P	-135.0
LWC-16	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-WBBA-P	-135.0

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-17	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-WBBA-P	-135.0
LWC-18	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
LWC-19	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
LWC-20	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500	BB-TBSA	-172.5
LWC-21	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
LWC-22	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-TBSA	-172.5
LWC-23	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
LWC-24	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-25	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	OB500	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-187.5
LWC-26	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500	BB-WBBA-P	-187.5
LWC-27	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-28	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-29	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck	CR-20 CRA	BB-TBSA or BB-TBBA	-195.0
LWC-30	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA or BB-TBBA	-222.5
LWC-31	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete.	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-222.5
ELASTIZELL (NOA 23-0817.05):								
LWC-32	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-33	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-34	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA or BB-TBBA	-180.0
LWC-35	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-180.0

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
INSULCEL (NOA 23-1219.03):								
LWC-36	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-37	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-225.0
MEARLCRETE (NOA 24-0514.06):								
LWC-38	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-39	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-225.0
LWC-40	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-195.0
LWC-41	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA or BB-TBBA	-240.0
LWC-42	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-240.0
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:								
CELCORE (NOA 24-0906.02):								
LWC-43	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500 or M-OSA	FB-TBSA	-172.5
LWC-44	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-TBSA	-172.5
LWC-45	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-TBSA	-172.5

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TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO FLEECE / I.S.O. SPRAY R OR DURO-FLEECE ADHESIVE SYSTEMS:								
CELCORE (NOA 24-0906.02):								
LWC-46	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
LWC-47	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
LWC-48	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500 or M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
LWC-49	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	OB500 or M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
LWC-50	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500 or M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-60.0
LWC-51	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
LWC-52	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
LWC-53	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500 or M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-142.5

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-54	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500 or M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-142.5
LWC-55	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500 or M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
LWC-56	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500 or M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
LWC-57	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
LWC-58	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
LWC-59	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500 or M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:								
CELCORE (NOA 24-0906.02):								
LWC-60	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0
LWC-61	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-62	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0
LWC-63	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500 or M-OSA	FB-OB500 (RIBBON, 12 or SPATTER)	-45.0
LWC-64	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-45.0
LWC-65	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-60.0
LWC-66	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5
LWC-67	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5
LWC-68	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-127.5
LWC-69	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500 or M-OSA	FB-OB500 (RIBBON, 6 or SPATTER)	-142.5
LWC-70	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500 or M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-71	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500 or M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500 or M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
LWC-72	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500 or M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
LWC-73	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500 or M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
LWC-74	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500 or M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500 or M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:								
CELCORE (NOA 24-0906.02):								
LWC-75	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	M-OSA	FB-XRBA	-112.5
LWC-76	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	M-OSA	FB-XRBA	-142.5
LWC-77	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	M-OSA	Min. 2-inch Duro-Guard ISO HD Composite-E2	M-OSA	FB-XRBA	-217.5
LWC-78	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	FB-XRBA	-217.5

TABLE 12A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-79	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSA	FB-XRBA	-217.5
LWC-80	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500	FB-XRBA	-112.5
LWC-81	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	OB500	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500	FB-XRBA	-142.5
LWC-82	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500	Min. 2-inch Duro-Guard ISO HD Composite-E2	OB500	FB-XRBA	-187.5
LWC-83	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	FB-XRBA	-187.5
LWC-84	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-XRBA	-187.5

TABLE 12B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	**Deck (4.1.2)**	**Lightweight Concrete (3.1.2)**	**Roof Cover (3.1.4)**	**MDP (psf)**
DURO-TECH TPO SYSTEMS:				
CELCORE (NOA 24-0906.02):				
LWC-85	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	BB-TBBA	-247.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2(D)):				
LWC-86	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board.	BB-TBBA	-67.5
LWC-87	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Duro-Last #15 Extra Heavy Duty Drill Point Fastener at a density of 1 per 2.0 ft^2.	BB-TBBA	-135.0
DURO-TECH TPO FLEECE SYSTEMS:				
CELCORE (NOA 24-0906.02):				
LWC-88	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete with optional 1-inch thick, 1.0 pcf EPS holey board.	FB-XRBA	-45.0
LWC-89	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans welded 6-inch o.c. with 3/8-inch welding washers and two Traxx/1 screws at sidelap even btwn spans	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-XRBA	-52.5
LWC-90	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans attached 6-inch o.c. with Traxx/5 screws and one Traxx/1 screw at sidelap midspan	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-XRBA	-60.0
LWC-91	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-DFA (RIBBON, 4)	-75.0
LWC-92	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans attached 6-inch o.c. with Traxx/5 screws and one Traxx/1 screw at sidelap midspan	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-XRBA	-82.5

TABLE 12B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	**Deck (4.1.2)**	**Lightweight Concrete (3.1.2)**	**Roof Cover (3.1.4)**	**MDP (psf)**
LWC-93	Min. 22 ga., type B, Grade 33 vented steel deck at max. 4 ft spans attached 6-inch o.c. with Traxx/5 screws and one Traxx/1 screw at sidelap midspan	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-XRBA	-90.0
LWC-94	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Duro-Last #15 Extra Heavy Duty Drill Point Fastener at a density of 1 per 2.0 ft^2.	FB-XRBA	-90.0
LWC-95	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans welded 6-inch o.c. with 3/8-inch welding washers and two Traxx/1 screws at sidelap even btwn spans	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Duro-Last #15 Extra Heavy Duty Drill Point Fastener at a density of 1 per 2.0 ft^2.	FB-XRBA	-90.0
LWC-96	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	FB-XRBA	-90.0
ELASTIZELL (NOA 23-0817.05):				
LWC-97	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans welded 6-inch o.c. with 3/8-inch welding washers and two Traxx/1 screws at sidelap even btwn spans	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete with optional 1-inch thick, 1.0 pcf EPS holey board.	FB-XRBA	-37.5 (NO HVHZ)
LWC-98	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans welded 6-inch o.c. with 3/8-inch welding washers and two Traxx/1 screws at sidelap even btwn spans	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Duro-Last #15 Extra Heavy Duty Drill Point Fastener at a density of 1 per 2.0 ft^2.	FB-XRBA	-82.5
LWC-99	Min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete with 1-inch thick, 1.0 pcf EPS holey board.	FB-XRBA	-90.0
LWC-100	Min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete. No EPS holey board.	FB-XRBA	-210.0
PRE-EXISTENT CELLULAR CONCRETE (3.1.2(D)):				
LWC-101	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent Min. 250 psi, min. 2-inch thick Approved cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Duro-Last #15 Extra Heavy Duty Drill Point Fastener at a density of 1 per 2.0 ft^2. *Note: To qualify the LWIC under this assembly, an Trufast FM-90 Fastener shall achieve a MCRF of 100 lbf when tested per (4.2.2).*	FB-XRBA	-75.0
LWC-102	Min. 2,500 psi structural concrete	Pre-existent Min. 250 psi, min. 2-inch thick Approved cellular LWIC. *Note: To qualify the LWIC under this assembly, an Trufast FM-90 Fastener shall achieve a MCRF of 95 lbf when tested per (4.2.2).*	FB-XRBA	-467.5

TABLE 13A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:							
CWF-1.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-45.0
CWF-2.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-45.0
CWF-3.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0
CWF-4.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-52.5
CWF-5.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-LVOC-1168	-52.5
CWF-6.	Existing Tectum	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	None	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-75.0
CWF-7.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	BB-TBSA	-82.5
CWF-8.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-92.5
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:							
CWF-9.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	(Optional) Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	FB-TBSA	-67.5
DURO-TECH TPO FLEECE / OLYBOND 500 CANISTER ADHESIVE OR DURO-FLEECE ADHESIVE SYSTEMS:							
CWF-10.	Existing Tectum	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	None	I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6) or FB-DFA (RIBBON, 6)	-75.0
CWF-11.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5

TABLE 13B: CEMENTITOUS WOOD FIBER DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CWF-12.	Existing Tectum	Elevate SBS Base, Elevate SBS Premium Base, Elevate MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-45.0*
CWF-13.	Existing Tectum	Elevate SBS Base, Elevate SBS Premium Base, Elevate MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-45.0*
CWF-14.	Existing Tectum	Elevate SBS Base, Elevate SBS Premium Base, Elevate MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-45.0*

TABLE 14A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:							
G-1.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	M-OSA	(Optional) Additional layers of base insulation	M-OSA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-165.0
G-2.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-127.5
G-3.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-127.5
G-4.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	M-OSA	BB-TBSA or BB-TBBA	-157.5
G-5.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	BB-TBSA	-172.5
G-6.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	BB-TBBA	-230.0

TABLE 14A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-7.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-257.5
G-8.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-195.0
G-9.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-240.0
G-10.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-112.5
G-11.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-112.5
G-12.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-112.5
DURO-TECH TPO FLEECE SYSTEMS:							
G-13.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	FB-OB500 (RIBBON, 4)	-172.5
G-14.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	M-OSA	FB-TBSA or FB-XRBA (RIBBON, 4)	-230.0

TABLE 14B: GYPSUM DECKS – NEW CONSTUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-15.	Existing gypsum deck	Elevate SBS Base, Elevate SBS Premium Base, Elevate MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-TBSA or BB-TBBA	-45.0*

TABLE 14B: GYPSUM DECKS – NEW CONSTUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-16.	Existing gypsum deck	Elevate SBS Base, Elevate SBS Premium Base, Elevate MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	OB500	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BB-LVOC-1168	-45.0*

TABLE 14C: GYPSUM DECKS – NEW CONSTUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER			
System No.	Deck (4.1.2)	Roof Cover (3.1.4)	MDP (psf)
G-17.	Existing gypsum deck	FB-OB500 (SPATTER)	-272.5

TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
DURO-TECH TPO SYSTEMS:							
R-1	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-180.0
R-2	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BB-TBSA or BB-TBBA	-195.0
R-3	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BB-LVOC-1168	-195.0
R-4	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot Asphalt	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Hot Asphalt	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-195.0
R-5	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA or BB-TBBA	-157.5
R-6	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-LVOC-1168	-157.5

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TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-7	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-157.5
R-8	Existing asphaltic BUR or granule surface modified bitumen	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-157.5
R-9	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; M-OSA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R; M-OSA	BB-WBBA-P	-45.0
R-10	Existing granule surface modified bitumen	Min. 1-inch RESISTA	I.S.O. Spray R; M-OSA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA	I.S.O. Spray R; M-OSA	BB-WBBA-P	-247.5
R-11	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-262.5
R-12	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-WBBA-P	-135.0
R-13	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-TBSA	-172.5
R-14	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	BB-LVOC, BB-LVOC-1168 or BB-TBBA	-262.5
R-15	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA	BB-WBBA-P	-135.0
R-16	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC or BB-TBBA	-247.5
R-17	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-262.5

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-18	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; M-OSA	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-262.5
R-19	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	(Optional) Additional layers base insulation	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-262.5
R-20	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA or BB-TBBA	-195.0
R-21	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	CR-20 CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	CR-20 CRA	BB-TBSA, BB-LVOC-1168 or BB-TBBA	-240.0
R-22	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL	OB500	BB-WBBA-P	-45.0
R-23	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA	OB500	BB-WBBA-P	-60.0
R-24	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168 or BB-TBBA	-60.0
R-25	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	(Optional) Additional layers of base insulation	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-120.0
R-26	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch Duro-Guard ISO HD-E2	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-60.0
R-27	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-60.0

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (3.1.4)**	**MDP (psf)[A]**
		Type	**Attach (3.1.3)**	**Type**	**Attach (3.1.3)**		
R-28	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500	BB-TBSA, BB-LVOC, BB-LVOC-1168, BB-TBBA or BB-WBBA-P	-120.0
DURO-TECH TPO FLEECE / HOT ASPHALT SYSTEMS:							
R-29	Existing granule surface modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	FB-HA	-457.5
R-30	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	FB-HA	-262.5
R-31	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-HA	-352.5
DURO-TECH TPO FLEECE / TECH-BOND TPO SPRAY ADHESIVE SYSTEMS:							
R-32	Existing asphaltic BUR or existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-172.5
R-33	Existing asphaltic BUR or existing granule surface modified bitumen	(Optional) Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-TBSA	-172.5
DURO-TECH TPO FLEECE / I.S.O. SPRAY R OR DURO-FLEECE ADHESIVE SYSTEMS:							
R-34	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	None	N/A	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-45.0
R-35	Existing granule surface modified bitumen	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R, 6-inch o.c.	None	N/A	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-36	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-142.5
R-37	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
R-38	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
R-39	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-82.5
R-40	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
R-41	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
R-42	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-60.0
R-43	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
R-44	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 12) or FB-DFA (RIBBON, 12)	-45.0
R-45	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	(Optional) Min. 0.5-inch Duro-Guard ISO HD-E2 or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	OB500; I.S.O. Spray R; M-OSA	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (3.1.4)**	**MDP (psf)[A]**
		Type	**Attach (3.1.3)**	**Type**	**Attach (3.1.3)**		
R-46	Existing asphaltic BUR	Min. 0.5-inch Duro-Guard ISO HD-E2 or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	None	N/A	FB-Spray R (RIBBON, 4) or FB-DFA (RIBBON, 4)	-172.5
DURO-TECH TPO FLEECE / DURO-GRIP OLYBOND 500 SYSTEMS:							
R-47	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	None	N/A	FB-OB500 (RIBBON, 4 or SPATTER)	-45.0
R-48	Existing granule surface modified bitumen	Min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R, 6-inch o.c.	None	N/A	FB-OB500 (RIBBON, 6 or SPATTER)	-82.5
R-49	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6)	-127.5
R-50	Existing granule surface modified bitumen	Min. 1.5-inch RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6)	-142.5
R-51	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
R-52	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6)	-82.5
R-53	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
R-54	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 12)	-45.0
R-55	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6)	-60.0

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (3.1.4)**	**MDP (psf)[A]**
		Type	**Attach (3.1.3)**	**Type**	**Attach (3.1.3)**		
R-56	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
R-57	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 19/32-inch plywood	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 6)	-45.0
R-58	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	OB500; I.S.O. Spray R; M-OSA	(Optional) Min. 0.5-inch Duro-Guard ISO HD-E2 or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	OB500; I.S.O. Spray R; M-OSA	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
R-59	Existing asphaltic BUR	Min. 0.5-inch Duro-Guard ISO HD-E2 or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500; I.S.O. Spray R; M-OSA	None	N/A	FB-OB500 (RIBBON, 4 or SPATTER)	-172.5
DURO-TECH TPO FLEECE / XR BONDING ADHESIVE SYSTEMS:							
R-60	Existing granule-surfaced, asphaltic modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	FB-XRBA	-300.0
R-61	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	OB500; I.S.O. Spray R; M-OSA	FB-XRBA	-112.5
R-62	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	I.S.O. Spray R; M-OSA	FB-XRBA	-262.5
R-63	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; M-OSA	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; M-OSA	FB-XRBA	-262.5
R-64	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	FB-XRBA	-195.0

TABLE 15A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-65	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-XRBA	-60.0
R-66	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch Duro-Guard ISO HD-E2	OB500	FB-XRBA	-352.5
R-67	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	OB500	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	FB-XRBA	-300.0
R-68	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R, 6-inch o.c.	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 6-inch o.c.	FB-XRBA	-255.0
R-69	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	FB-XRBA	-202.5

TABLE 15B: STEEL - RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER *Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.*						
System No.	Substrate (4.1.2)	Insulation Layer	Attach		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.2)	Spacing		
R-70	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener and Duro-Bond TPO Plate are fastened through to purlins	18-inch o.c. along purlins	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0 (NO HVHZ)
R-71	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener and Duro-Bond TPO Plate are fastened through to purlins	12-inch o.c. along purlins	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0

TABLE 15B: STEEL - RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER *Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.*						
System No.	Substrate (4.1.2)	Insulation Layer	Attach		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.2)	Spacing		
R-72	Existing standing seam or lap seam metal roof covers having min. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener and Duro-Bond TPO Plate are fastened through to purlins	6-inch o.c. along purlins	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
R-73	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener and Duro-Bond TPO Plate are fastened through to purlins	6-inch o.c. along purlins	Duro-Tech TPO induction welded to Duro-Bond TPO Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

TABLE 15C: STEEL - RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER *Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.*							
System No.	Substrate (4.1.2)	Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fastener (4.2.2)	Attach	
R-74	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and Duro-Tech TPO HD Seam Plate	18-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-75	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced max. 114-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-76	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 142-inch o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and TPO Coiled Metal Batten Strip	12-inch o.c. within 6-inch wide laps spaced max. 142-inch o.c. to engage steel purlin. Laps sealed with 5-inch heat weld that encapsulates the batten and fasteners or are primed with Elevate UltraPly TPO QuickPrime and sealed with Elevate UltraPly TPO QuickSeam Flashing.	-30.0 (NO HVHZ)
R-77	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 90-inch o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced max. 90-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-78	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 142-inch o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced max. 142-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5

TABLE 15D: STEEL - RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA STRIPS) *Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.*							
System No.	**Substrate (4.1.2)**	**Insulation**		**Roof Cover (3.1.4)**			**MDP (psf)**
		Type	**Attach (3.1.2)**	**Membrane**	**Fasten (4.2.2)**	**Attach**	
R-79	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 10-ft o.c.	One or more layers, any combination	prelim. attached	Duro-Tech TPO	Elevate Purlin Fastener and TPO Coiled Metal Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. positioned over each steel purlin location. The batten is centered over each strip and fastened into the purlins 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with Elevate UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller. The min. 2-inch side laps are sealed with a min. 1.5-inch outside heat weld.	-45.0

TABLE 15E: RECOVER APPLICATIONS SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER					
System No.	**Substrate (4.1.2)**	**Roof Cover**			**MDP (psf)**
		Membrane	**Fasten (4.2.2)**	**Attach**	
R-80	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Duro-Tech TPO Fleece	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-81	Min. 22 ga., type B, Grade 80 steel	Duro-Tech TPO Fleece	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-82	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Duro-Tech TPO Fleece	Duro-Last #15 Extra Heavy Duty Drill Point Fastener with Duro-Tech TPO HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-83	Min. 22 ga., type B, Grade 80 steel	Duro-Tech TPO Fleece	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5

TABLE 15F: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)**	**Primer**	**Roof Cover (3.1.4)**	**MDP (psf)[A]**
R-84	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	FB-OB500 (RIBBON, 4 or SPATTER)	-142.5
R-85	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	FB-Spray R (RIBBON, 6) or FB-DFA (RIBBON, 6)	-142.5

TABLE 15F: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). 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 (4.1.2) and (4.2.2)**	**Primer**	**Roof Cover (3.1.4)**	**MDP (psf)[A]**
R-86	Existing fully-adhered, asphaltic built-up roof cover	None	FB-OB500 (RIBBON, 4 or SPATTER)	-232.0
R-87	Existing fully-adhered, asphaltic built-up roof cover	None	FB-DFA (RIBBON, 4)	-315.0
R-88	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	FB-Spray R (RIBBON, 4)	-360.0
R-89	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	FB-HA	-495.0