



ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

HOLCIM SOLUTIONS AND PRODUCTS US, LLC

26 Century Blvd
Nashville, TN 37214
(317) 572-4100

PEER-HSP-008.A.R18

FL10264-R18 (NON-HVHZ)

Date of Issuance: 02/07/2008

Revision 18: 08/17/2023

SCOPE:

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

DESCRIPTION: Elevate UltraPly TPO Roof Systems (NON-HVHZ)

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

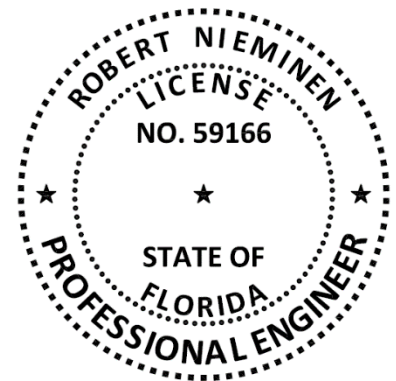
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO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

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

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

This PEER consists of pages 1 through 5, plus an 86-page Appendix.

Prepared by:



CERTIFICATION OF INDEPENDENCE:

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

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems
Product Approval Method: Method 1, Option D: Codified Material, Evaluation by Engineer
Compliance Statement: Elevate UltraPly TPO Roof Systems, as produced by **HOLCIM SOLUTIONS AND PRODUCTS US, LLC**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD	YEAR
1504.3.1	Wind resistance	FM 4474	2011
1504.3.1	Wind resistance	UL 1897	2015
1504.6	Physical properties	ASTM G155	2013
1504.7	Impact resistance	FM 4470	2016
1507.10.2	Material standard	ASTM D2178	2015
1508.2	Material standard	ASTM C1289	2018
1507.10.2	Material standard	ASTM D4601	2012
1507.11.2	Material standard	ASTM D6163	2016
1507.11.2	Material standard	ASTM D6164	2016
1507.11.2	Material standard	ASTM D6222	2016
1507.12.2	Material standard	ASTM D6878	2021

3. REFERENCES:

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
ERD (TST 6049)	ASTM D6878	F40090.09.14	09/12/14	FM (TST1867)	FM 4474	3046333	08/10/12
ERD (TST 6049)	ASTM D6878	F38200.04.15-R1	04/01/15	FM (TST1867)	FM 4474	3041939	08/12/12
PRI (TST5878)	ASTM D6878	FBP-145-02-01	06/26/14	FM (TST1867)	FM 4474	3042666	08/14/12
NEMO (TST6049)	ASTM C1289	4n-FBP-20-SSINCB-01.A.R1	02/08/21	FM (TST1867)	FM 4474	797-07680-267	09/14/12
NEMO (TST6049)	ASTM C1289	4n-FBP-20-SSINCB-01.B	02/08/21	FM (TST1867)	FM 4474	797-07729-267	10/30/12
NEMO (TST6049)	ASTM C1289	4n-FBP-20-SSINCB-01.C	02/08/21	FM (TST1867)	FM 4474	797-07970-267	01/24/13
NEMO (TST6049)	ASTM D6878	4r-FBP-20-SSTHP-01.A	06/08/21	FM (TST1867)	FM 4474	797-07855-267	01/29/13
NEMO (TST6049)	ASTM D6878	4r-HSP-23-SSTHP-01 (3)	04/20/23	FM (TST1867)	FM 4474	797-07969-267	01/29/13
NEMO	Evaluation	F8970.01.08-2-R15	12/12/22	FM (TST1867)	FM 4474	3046870	03/22/13
ACRC (TST4671)	TAS 114	ACRC 02-002	01/07/03	FM (TST1867)	FM 4474	797-08294-267	04/26/13
ACRC (TST4671)	TAS 114	ACRC 05-002	01/18/05	FM (TST1867)	FM 4474	3049316	05/30/13
ACRC (TST4671)	TAS 114	ACRC 06-030	08/21/06	FM (TST1867)	FM 4474	797-08513-267	07/15/13
ERD (TST 6049)	FM 4474	F12260.02.09-2	02/04/09	FM (TST1867)	FM 4474	3047398	08/16/13
ERD (TST 6049)	FM 4474	F34280.11.10	11/16/10	FM (TST1867)	FM 4474	3047700	08/16/13
ERD (TST 6049)	FM 4474	F45610.01.14	01/13/14	FM (TST1867)	FM 4474	797-10191-267	01/09/15
FM (TST1867)	FM 4470	3001925	05/24/99	FM (TST1867)	FM 4474	3052525	02/20/15
FM (TST1867)	FM 4470	3003830	05/26/99	FM (TST1867)	FM 4474	3050535	05/18/15
FM (TST1867)	FM 4470	3004249	11/03/99	FM (TST1867)	FM 4474	3055491	12/05/16
FM (TST1867)	FM 4470	3006983	02/08/00	FM (TST1867)	FM 4474	3060621	10/17/17
FM (TST1867)	FM 4470	3014031	07/22/02	FM (TST1867)	FM 4474	3062305	11/01/19
FM (TST1867)	FM 4470	3014918	12/17/03	FM (TST1867)	FM 4474	PR448738	10/24/18
FM (TST1867)	FM 4470	3016670	04/29/04	FM (TST1867)	FM 4474	3061875	02/21/19
FM (TST1867)	FM 4470	3012931	04/30/04	PRI (TST5878)	FM 4474	FBP-085-02-01	10/04/12
FM (TST1867)	FM 4470	3017120	04/30/04	FM (TST1867)	FM 4474	PR452965	03/02/20
FM (TST1867)	FM 4470	3009473	04/30/04	FM (TST1867)	FM 4474	PR454490	04/22/20
FM (TST1867)	FM 4474	3020394	09/03/04	NEMO (TST6049)	Criticality	4i-NG-22-SSCRT-01.A	11/07/22
FM (TST1867)	FM 4474	3022988	01/28/05	NEMO (TST6049)	FM 4474	4a-FBP-22-LSWUS-01.A	01/09/23
FM (TST1867)	FM 4474	3026519	12/14/06	NEMO (TST6049)	FM 4474	4a-HSP-23-LSWUS-03.A	04/26/23
FM (TST1867)	FM 4474	3026520	12/14/06	PRI (TST5878)	FM 4474	FBP-086-02-01	10/04/12
FM (TST1867)	FM 4474	797-02341-267	12/15/06	PRI (TST5878)	FM 4474	FBP-044-02-01	06/25/13
FM (TST1867)	FM 4474	3027508	02/07/07	PRI (TST5878)	FM 4474	FBP-119-02-01	07/22/13
FM (TST1867)	FM 4474	797-02812-267	05/22/07	PRI (TST5878)	FM 4474	FBP-122-02-01	07/23/13
FM (TST1867)	FM 4474	3030227	06/18/07	PRI (TST5878)	FM 4474	FBP-149-02-01	12/18/13
FM (TST1867)	FM 4474	3028164	11/02/07	PRI (TST5878)	FM 4474	FBP-150-02-01	12/18/13
FM (TST1867)	FM 4474	3030650	05/16/08	PRI (TST5878)	FM 4474	FBP-153-02-01	12/18/13
FM (TST1867)	FM 4474	3033218	08/12/08	PRI (TST5878)	FM 4474	FBP-154-02-02	12/18/13

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
FM (TST1867)	FM 4474	3035560	01/11/09	PRI (TST5878)	FM 4474	FBP-160-02-01	12/18/13
FM (TST1867)	FM 4474	3035017	04/15/09	PRI (TST5878)	FM 4474	FBP-158-02-01	04/28/14
FM (TST1867)	FM 4474	3032272	05/22/09	PRI (TST5878)	FM 4474	FBP-165-02-01	04/28/14
FM (TST1867)	FM 4474	3033947	05/29/09	PRI (TST5878)	FM 4474	FBP-165-02-01A	04/28/14
FM (TST1867)	FM 4474	3036642	10/09/09	PRI (TST5878)	FM 4474	FBP-172-02-01	04/28/14
FM (TST1867)	FM 4474	3036747	10/09/09	PRI (TST5878)	FM 4474	FBP-175-02-01	04/28/14
FM (TST1867)	FM 4474	797-05444-267	04/07/10	PRI (TST5878)	FM 4474	FBP-178-02-01	04/28/14
FM (TST1867)	FM 4474	797-05604-267	06/02/10	PRI (TST5878)	FM 4474	FBP-182-02-01	05/01/14
FM (TST1867)	FM 4474	797-05627-267	06/14/10	PRI (TST5878)	FM 4474	FBP-181-02-01A	07/15/14
FM (TST1867)	FM 4474	797-05639-267	06/16/10	PRI (TST5878)	FM 4474	FBP-184-02-01	07/27/14
FM (TST1867)	FM 4474	797-05830-267	08/30/10	PRI (TST5878)	FM 4474	FBP-185-02-01	07/31/14
FM (TST1867)	FM 4474	797-05829-267	08/30/10	PRI (TST5878)	FM 4474	FBP-185-02-02	07/31/14
FM (TST1867)	FM 4474	797-05830-267	08/30/10	PRI (TST5878)	FM 4474	FBP-186-02-01	07/31/14
FM (TST1867)	FM 4474	3040535	10/05/10	PRI (TST5878)	FM 4474	FBP-191-02-01	07/31/14
FM (TST1867)	FM 4474	3037109	11/18/10	PRI (TST5878)	FM 4474	FBP-191-02-02	07/31/14
FM (TST1867)	FM 4474	3038546	12/17/10	PRI (TST5878)	UL1897	FBP-193-02-02	10/16/14
FM (TST1867)	FM 4474	3041939	01/04/11	PRI (TST5878)	UL1897	FBP-206-02-01	10/16/14
FM (TST1867)	FM 4474	3041694	01/14/11	PRI (TST5878)	FM 4474	FBP-194-02-02	10/21/14
FM (TST1867)	FM 4474	3041939	02/01/11	PRI (TST5878)	UL1897	FBP-196-02-04	10/21/14
FM (TST1867)	FM 4474	3041939	03/02/11	PRI (TST5878)	UL 1897	FBP-196-02-02	10/22/14
FM (TST1867)	FM 4474	3039133	04/07/11	PRI (TST5878)	FM 4474	FBP-213-02-03	11/20/14
FM (TST1867)	FM 4474	3041535	06/08/11	PRI (TST5878)	FM 4474	FBP-216-02-01	11/20/14
FM (TST1867)	FM 4474	3041949	06/10/11	PRI (TST5878)	UL1897	FBP-213-02-01	11/20/14
FM (TST1867)	FM 4474	3042909	08/03/11	PRI (TST5878)	UL1897	FBP-220-02-01	01/29/15
FM (TST1867)	FM 4474	3038191	08/04/11	PRI (TST5878)	FM 4474	FBP-222-02-01	02/02/15
FM (TST1867)	FM 4474	3038770	08/04/11	PRI (TST5878)	FM 4474	FBP-220-02-02	02/11/15
FM (TST1867)	FM 4474	3041939	08/16/11	PRI (TST5878)	FM 4474	348T0047	04/02/20
FM (TST1867)	FM 4474	797-06749-267	09/13/11	PRI (TST5878)	FM 4474	348T0111	01/20/21
FM (TST1867)	FM 4474	3036639	11/22/11	UL (TST1740)	UL 1897	10CA20078	11/20/10
FM (TST1867)	FM 4474	3044812	01/05/12	UL (TST1740)	UL 1897	10NK13003	06/13/11
FM (TST1867)	FM 4474	797-07314-267	04/05/12	UL (QUA9625)	QC	Service Confirm	10/21/22
				UL (QUA9625)	QC	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **Elevate UltraPly TPO Roof Systems** installed in accordance with **HOLCIM SOLUTIONS AND PRODUCTS US, LLC** published installation instructions and the [Limitations of Use](#) herein.

TABLE 1: EVALUATED ELEVATE MEMBRANES						
TYPE	PRODUCT		MATERIAL STANDARD			PLANT(S)
			REFERENCE	TYPE	GRADE	
ROOF COVER OR CAP PLY	UltraPly TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A	Tuscumbia, AL Wellford, SC
	UltraPly TPO Flex Adhered	60-mil	ASTM D6878	N/A	N/A	Tuscumbia, AL
	UltraPly TPO XR	50, 60, 80-mil	ASTM D6878	N/A	N/A	Tuscumbia, AL
	UltraPly TPO SA	60-mil	ASTM D6878	N/A	N/A	Tuscumbia, AL
BASE SHEETS	MB Base		ASTM D4601	II	N/A	Tuscaloosa, AL
	SBS Base		ASTM D6163	I	S	Indianapolis, IN
BASE PLY OR VAPOR BARRIER MEMBRANES	Ply IV		ASTM D2178	IV	N/A	Tuscaloosa, AL
	Ply VI		ASTM D2178	VI	N/A	Tuscaloosa, AL
	MB Base		ASTM D4601	II	N/A	Indianapolis, IN
	SBS Base		ASTM D6163	I	S	Indianapolis, IN
	SBS Premium Base		ASTM D6163	I	S	Indianapolis, IN
	SBS Glass Torch Base		ASTM D6163	I	S	Indianapolis, IN
	SBS Glass Torch Base 1.5		ASTM D6163	I	S	Indianapolis, IN
	SBS PolyBase		ASTM D6164	I	S	Indianapolis, IN
	SBS Smooth		ASTM D6164	I	S	Indianapolis, IN
	SBS Poly Torch Base		ASTM D6164	I	S	Indianapolis, IN
	SBS Premium Poly Base		ASTM D6164	II	S	Indianapolis, IN
	APP 160 COOL		ASTM D6222	I	S	Indianapolis, IN
	APP 170		ASTM D6222	I	S	Indianapolis, IN

TABLE 2: EVALUATED ELEVATE INSULATION BOARDS						
PRODUCT	MATERIAL STANDARD, ASTM C1289			DIMENSIONAL OFFERING		PLANT(S)
	TYPE	CLASS	GRADE	THICK (IN)	DIMENSIONS (FT)	
ISOGARD GL	II	1	2	0.5 to 4.5	4x4 or 4x8	Jacksonville, FL
ISOGARD CG	II	2	2	1 to 4	4x4 or 4x8	
ISOGARD HD Cover Board	II	4	1	0.5	4x4 or 4x8	

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER 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.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.

- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk* carry the limitations set forth in [Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 \(February 2020\)](#) for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on [Page 1](#) of this PEER.

6. INSTALLATION:

Elevate UltraPly TPO Roof Systems shall be installed in accordance with **HOLCIM SOLUTIONS AND PRODUCTS US, LLC** published installation instructions, subject to the [Limitations of Use](#) noted herein.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

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

9. QUALITY ASSURANCE ENTITY:

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

- THE 86-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	6
1B	Wood	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	9
1C	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (stress plates)	10
1D	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (batten strips)	10
1E	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	11
1F	Wood	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	11
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12
2B	Steel	New or Reroof (Tear-Off)	A-1	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	12
2C	Steel	New or Reroof (Tear-Off)	A-1	Bonded Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	13
2D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	14
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Base Insulation, Bonded Vapor Barrier, Bonded Top Insulation, Bonded Roof Cover	14
2F	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	24
2G	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	35
2H	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	36
2I	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	39
2J	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	42
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	43
3B	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	56
4A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	67
4B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	67
5A	Cementitious Wood Fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	70
5B	Cementitious Wood Fiber	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	70
6A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	72
6B	Existing Gypsum	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	84
6C	Existing Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	73
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	74
7B	Steel	Recover	C-2	Induction Welded Roof Cover	84
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	85
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (RMA Strips)	85
7E	Steel	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	86
7F	Various	Recover	F	Non-Insulated, Bonded Roof Cover	86

The following notes apply to the systems outlined herein:

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fastener shall be of sufficient length for the following engagements:

FASTENER/PLATE OPTIONS			
DECK TYPE	BY	PARTS	MINIMUM ENGAGEMENT
Wood	Holcim	Elevate All-Purpose or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
Steel	Holcim	Elevate All-Purpose, All-Purpose S or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
Structural Concrete	Holcim	Elevate Heavy-Duty or Concrete Drive Fastener with Elevate Insulation Fastening Plate	Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions

- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- 5 Preliminary insulation attachment: Unless otherwise noted, use FBC Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#).
- 6 Unless otherwise noted, insulation adhesive application rates are as follows.
- Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer’s published instructions.
 - If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
 - When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
 - The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

INSULATION ADHESIVE REFERENCES				
By	ADHESIVE	REFERENCE	FBC FILE OR NOA	MINIMUM RATE
Holcim	I.S.O. FIX II	N/A	N/A	Continuous 0.75-inch ribbons, 8-inch o.c.
	I.S.O. Spray R	N/A	NOA 23-0613.09	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
	I.S.O. Stick	N/A	N/A	Continuous 0.75 to 1-inch ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)
	I.S.O. Twin Pack	N/A	N/A	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
	Twin Jet	N/A	NOA 23-0613.09	Continuous 0.75-inch ribbons, 12-inch o.c. Note: Twin Jet may be used where I.S.O. Stick is referenced herein for insulation securement.
ICP Construction, Inc.	Polyset Commercial Roof Adhesive	Polyset CRA	FL1365 NOA 22-0614.11	Continuous 2.5-3.5-inch ribbons, 12-inch o.c.
Generic, ASTM D312, Type IV	hot asphalt	N/A	N/A	Full coverage at 25-30 lbs/square

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

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS				
ADHESIVE	INSULATION		MIN. TAPERED THICKNESS (IN)	MDP (psf)
	LISTED PRODUCT	FBC FILE OR NOA		
I.S.O. FIX II	ISO 95+ GL	NOA 23-0613.13	0.5	-172.5
I.S.O. Spray R			0.5	-157.5
I.S.O. Stick			0.5	-187.5
I.S.O. Twin Pack			0.5	-157.5
Polyset CRA			1.0	-117.5
Hot asphalt			0.5	-120.0
I.S.O. FIX II, I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c.	RESISTA		0.5	-165.0
I.S.O. FIX II, I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.			0.5	-405.0

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

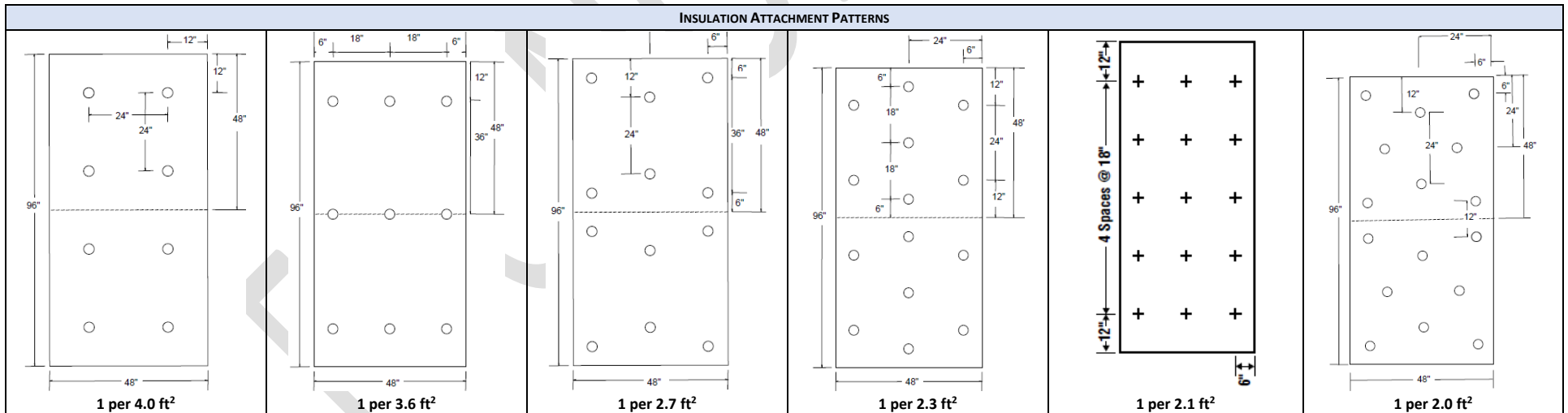
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard 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.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be prelim. attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.
- 15 For bonded membrane applications, unless otherwise noted, refer to the following.

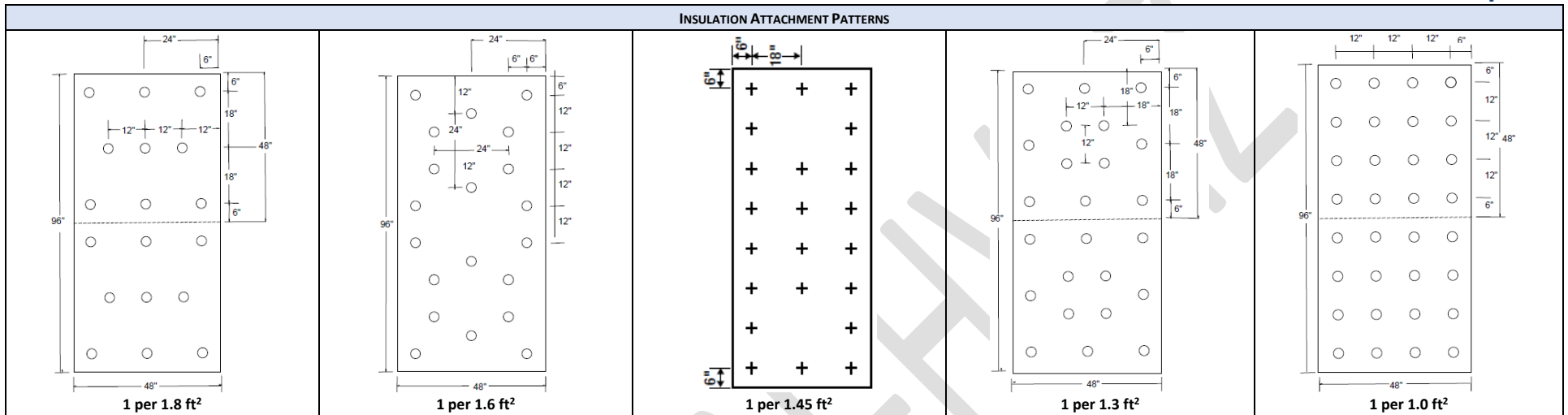
MEMBRANE / ADHESIVE COMBINATIONS				
ELEVATE MEMBRANE	ELEVATE ADHESIVE	REFERENCE	METHOD	RATE
UltraPly TPO or UltraPly TPO Flex Adhered	Jet Bond Spray Adhesive	Jet Bond	Contact (both sides)	1.75 to 2.2 lbs/sq with a 2 in. overlap to both the bottom surface of the roof cover and top surface of the substrate with a for a total of 3.5 to 4.4 lbs/sq.
UltraPly TPO or UltraPly TPO Flex Adhered	Single-Ply LVOC Bonding Adhesive	LVOC-BA	Contact (both sides)	45 to 60 ft ² /gal
UltraPly TPO or UltraPly TPO Flex Adhered	Single-Ply LVOC Bonding Adhesive 1168	LVOC-BA-1168	Contact (both sides)	45 to 60 ft ² /gal
UltraPly TPO or UltraPly TPO Flex Adhered	UltraPly Bonding Adhesive	UP-BA	Contact (both sides)	45 to 60 ft ² /gal
UltraPly TPO	Water Based Bonding Adhesive-P	WBBA-P	Contact (both sides)	100 to 120 ft ² /gal.
UltraPly TPO XR	Jet Bond Spray Adhesive	Jet Bond	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.
UltraPly TPO XR	I.S.O. Spray R	I.S.O. Spray R	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X'
UltraPly TPO XR	Water Based Bonding Adhesive-P	WBBA-P	Wet lay (substrate)	100 to 120 ft ² /gal.
UltraPly TPO XR	Twin Jet	Twin Jet	Wet lay (substrate)	RIBBON, X: Continuous ribbons, spaced as noted 'X' or SPATTER: Spatter-pattern at 0.32 gal/square.
UltraPly TPO XR	XR Bonding Adhesive	XR-BA	Wet lay (substrate)	70 to 90 ft ² /gal
UltraPly TPO XR	XR Stick Membrane Adhesive	XR Stick	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X'

- 15A 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.
- 15B 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.
- 16 **Thermal Barrier and/or Vapor Barrier Options:**
- 16A **Structural Concrete Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

STRUCTURAL CONCRETE DECK; VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION						
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A (Notes 6,7,8)	MDP (psf)	
		TYPE	APPLICATION			
C-VB-1.	ASTM D41	Base Ply: MB Base, SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, APP 160 COOL, APP 170 COOL		Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	None	MB Base, SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base		LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R or I.S.O. Twin Pack	-240.0
C-VB-3.	ASTM D41	MB Base		I.S.O. Twin Pack, 4" o.c.	I.S.O. Twin Pack	-232.5
C-VB-4.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base		Hot asphalt	Hot asphalt	-120.0
C-VB-5.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base		Hot asphalt	I.S.O. Spray R or I.S.O. Twin Pack	-495.0
C-VB-6.	ASTM D41	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth		Torch-applied	I.S.O. Spray R or I.S.O. Twin Pack	-495.0
C-VB-7.	ASTM D41	MB Base, SBS, Base, SBS PolyBase, SBS Premium Base or SBS Premium Poly Base		Hot asphalt	Twin Jet, 4-inch o.c.	-337.5
C-VB-8.	ASTM D41	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth		Torch-applied	Twin Jet, 4-inch o.c.	-337.5
C-VB-9.	V-Force SB Primer	V-Force Vapor Barrier		Self-adhering	I.S.O. Spray R	-255.0
C-VB-10.	V-Force SB Primer	V-Force Vapor Barrier		Self-adhering	I.S.O. Stick	-262.5
C-VB-11.	V-Force SB Primer	V-Force Vapor Barrier		Self-adhering	I.S.O. Twin Pack	-255.0

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





18 For System Types B-1, B-2 and C-1 over steel deck, V-Force Vapor Barrier Membrane, 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.

19 Unless otherwise noted, the following products are interchangeable within the scope of this PEER:

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	MANUFACTURER	FBC FILE OR NOA	LISTED PRODUCT HEREIN	ALTERNATE
ROOFING INSULATION	Holcim	NOA 23-0613.13	ISO 95+ GL	Elevate ISOGARD GL, RESISTA or Elevate ISOGARD CG
			RESISTA	Elevate ISOGARD CG
			Elevate HailGard	Elevate ISOGARD HG
	Georgia-Pacific Gypsum, LLC	FL1250	DensDeck Prime	DensDeck StormX Prime Roof Board

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

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
W-1.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-30.0*
W-2.	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
W-3.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
W-4.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0
W-5.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
W-6.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
W-7.	Min. 15/32-inch plywood at max 24-inch spans	(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	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
W-8.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
W-9.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
W-10.	Min. 23/32-inch plywood at max 24-inch spans	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA or UP-BA	-45.0*
W-11.	Min. 23/32-inch plywood at max 24-inch spans	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
W-12.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(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	Note 2	1 per 2.13 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
W-13.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(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	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
W-14.	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168, UP-BA or WBBA-P	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
W-15.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-52.5
W-16.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-67.5
ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:							
W-17.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / hot asphalt (full coverage)	-45.0*
W-18.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO XR / hot asphalt (full coverage)	-45.0*
W-19.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / hot asphalt (full coverage)	-45.0
ELEVATE ULTRAPLY TPO XR / JET BOND SYSTEMS:							
W-20.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / Jet Bond	-45.0*
W-21.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO XR / Jet Bond	-45.0*
W-22.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / Jet Bond	-45.0
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
W-23.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
W-24.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.13 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
W-25.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0*
W-26.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0
ELEVATE ULTRAPLY TPO XR / XR STICK SYSTEMS:							

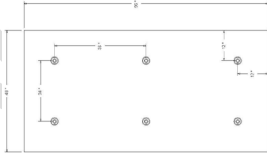
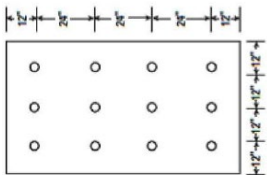
**TABLE 1A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
W-27.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / XR Stick (RIBBON, 12)	-45.0*
W-28.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(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	Note 2	1 per 2.13 ft ²	UltraPly TPO XR / XR Stick (RIBBON, 12)	-45.0*
W-29.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(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	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / XR Stick (RIBBON, 12)	-45.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
W-30.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 4.0 ft ²	UltraPly TPO SA, self-adhered	-30.0*
W-31.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	UltraPly TPO SA, self-adhered	-37.5*
W-32.	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-45.0
W-33.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
W-34.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-45.0
W-35.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
W-36.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
W-37.	Min. 23/32-inch plywood at max 24-inch spans	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
W-38.	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO SA, self-adhered	-45.0*
W-39.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-45.0
W-40.	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
W-41.	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft ²	UltraPly TPO SA, self-adhered	-52.5
W-42.	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-67.5

**TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Thermal Barrier and/or Insulation Layer (Note 3, Note 13)	Attach (Note 17)		Roof Cover (Note 15B)	MDP (psf)
			Fasten (Note 11)	Density / Pattern		
W-43.	Min. 19/32-inch APA rated OSB or plywood at max. 24-inch o.c.	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	6 parts per 4 x 8 ft board 1 per 5.3 ft ² 	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
W-44.	Min. 19/32-inch APA rated OSB or plywood at max. 24-inch o.c.	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	8 parts per 4 x 8 ft board 1 per 4.0 ft ²	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
W-45.	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 72-inch o.c.	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-46.	Min. 15/32-inch plywood at max. 24-inch spans	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	12 parts per 4 x 8 ft board 1 per 2.7 ft ² 	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-47.	Code minimum plywood or OSB. Note 1	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	Fastener spaced max. 6-inch o.c. in rows spaced max. 96-inch o.c. along wood structural members	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0

**TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Thermal Barrier and/or Insulation Layer (Note 3, Note 13)	Attach (Note 17)		Roof Cover (Note 15B)	MDP (psf)
			Fasten (Note 11)	Density / Pattern		
W-48.	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

**TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATE)**

System No.	Deck (Note 1)	Insulation (Note 3, Note 13)		Roof Cover			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
W-49.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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*
W-50.	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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-51.	Min. 19/32-inch APA rated OSB or plywood at max. 24-inch o.c.	Min. 1-inch ISO 95+ GL or RESISTA, min. 0.5-inch ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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*
W-52.	Min. 15/32-inch plywood at max. 24-inch spans	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 ISOGARD HD, min. 1-inch RESISTA or min. 1.5-inch ISOGARD HD Composite	prelim. attached	UltraPly TPO (min. 60-mil)	Elevate HD Fastener with Elevate 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-53.	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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 1D: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTEN STRIPS)**

System No.	Deck (Note 1)	Insulation (Note 3, Note 13)		Roof Cover			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
W-54.	Min. 15/32-inch plywood at max. 24-inch spans	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	UltraPly QuickSeam R.M.A. Strips with Elevate All-Purpose Fastener with Elevate Polymer Batten Strip	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 Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-30.0

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

System No.	Deck (Note 1)	Roof Cover			MDP (psf)
		Membrane	Fasten (Note 11)	Attach	
W-55.	Min. 19/32-inch plywood at max. 24-inch spans	UltraPly TPO	Elevate HD Fastener with Elevate 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 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Roof Cover (Note 15)	MDP (psf)*
W-56.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB (installed smooth side up), 24-inch span	UltraPly TPO SA, self-adhered	-67.5
W-57.	Min. 19/32-inch CDX plywood, 24-inch spans	UltraPly TPO SA, self-adhered	-97.5

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

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
SC-1.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-75.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
SC-3.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-4.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO SA, self-adhered	-75.0*

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:								
SC-5.	Min. 22 ga., type B, Grade 33 steel	V-Force 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 I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-37.5
SC-6.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-7.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO 95+ GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
SC-8.	Min. 22 ga., type B, Grade 33 steel	V-Force 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 I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-37.5

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-9.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO 95+ GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO SA, self-adhered	-60.0

TABLE 2C: 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 (Note 1)	Thermal Barrier		Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:										
SC-11.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	I.S.O. Stick, 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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:										
SC-12.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	I.S.O. Stick, 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	UltraPly TPO SA, self-adhered	-45.0*

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:								
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 4.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-37.5*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 4.0 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	Note 2	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick or Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-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	Note 2	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick or Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-45.0*

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-24.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1.5-inch ISO 95+ GL or min. 0.5-inch Tapered ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-26.	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	Note 2	1 per 4.0 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-27.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-28.	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	Note 2	1 per 2.0 ft ²	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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-60.0
SC-31.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.8 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Stick, 12-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
SC-32.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-67.5
SC-33.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-67.5
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.6 ft ²	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-75.0

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-82.5
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-90.0
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO / WBBA-P	-105.0
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	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	I.S.O. Stick; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-116A or UP-BA	-105.0
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray R, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 1.0 ft ²	Min. 1.5-inch RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-120.0
SC-44.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-127.5
SC-45.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-135.0

ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-30.0*
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-37.5*
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-45.0*
SC-49.	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	Note 2	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 ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray R	UltraPly TPO XR / Jet Bond	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	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 ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / Jet Bond	-60.0
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	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 ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / Jet Bond	-67.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-30.0*
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-37.5*
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-56.	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	Note 2	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. 7/16-inch OSB or DEXcell Cement Roof Board	I.S.O. Spray R	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-57.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0*
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	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	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-65.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-82.5

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-66.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	UltraPly TPO XR / XR Stick (RIBBON, 6)	-82.5
SC-67.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-97.5
SC-68.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	UltraPly TPO XR / XR Stick (RIBBON, 6)	-97.5
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-127.5
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-127.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-30.0*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-37.5*
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-74.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by optional min. 0.5-inch DensDeck Prime or min. 7/16-inch OSB	I.S.O. Spray R	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-75.	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	Note 2	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	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0*
SC-76.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-45.0*
SC-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 1-inch ISO 95+ GL followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0*
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-60.0
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-82.5
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-82.5
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-127.5
ELEVATE ULTRAPLY TPO XR / WATER BASED BONDING ADHESIVE-P SYSTEMS:								
SC-84.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; ; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / WBBA-P	-37.5*
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
SC-85.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
SC-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL or RESISTA	Note 2	1 per 4.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-37.5*
SC-87.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R	UltraPly TPO SA, self-adhered	-45.0*

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-88.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-89.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 4.0 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-90.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-91.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-92.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick	UltraPly TPO SA, self-adhered	-45.0*
SC-94.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0
SC-95.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick or Polyset CRA	UltraPly TPO SA, self-adhered	-45.0*
SC-96.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	Optional min. 1.5-inch ISO 95+ GL or min. 0.5-inch Tapered ISO 95+ GL followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	UltraPly TPO SA, self-adhered	-45.0*
SC-97.	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	Note 2	1 per 4.0 ft ²	Optional min. 1.5-inch RESISTA followed by min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-98.	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	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ISO 95+ GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-45.0*
SC-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO SA, self-adhered	-60.0

**TABLE 2D: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-100.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.8 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Stick, 12-inch o.c.	UltraPly TPO SA, self-adhered	-60.0
SC-101.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	UltraPly TPO SA, self-adhered	-67.5
SC-102.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL or RESISTA	Note 2	1 per 1.6 ft ²	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-75.0
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO SA, self-adhered	-82.5
SC-104.	Min. 22 ga., type B, Grade 50 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet, 4-inch o.c.	UltraPly TPO SA, self-adhered	-82.5
SC-105.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO SA, self-adhered	-90.0
SC-106.	Min. 22 ga., type B, Grade 50 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet, 4-inch o.c.	UltraPly TPO SA, self-adhered	-112.5

TABLE 2E: 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 (Note 1)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:									
SC-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.75-inch FM Approved perlite	Note 2	1 per 2.0 ft ²	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 I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-108.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	V-Force WB Primer; V-Force, 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; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-37.5*
SC-109.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	V-Force WB Primer; V-Force, 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. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-110.	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	Note 2	1 per 4.0 ft ²	V-Force SB Primer; V-Force, 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. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-111.	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	Note 2	1 per 4.0 ft ²	V-Force SB Primer; V-Force, 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 ISOGARD HD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board; or Min. 7/16-inch OSB or DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-112.	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	Note 2	1 per 4.0 ft ²	V-Force SB Primer; V-Force, 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	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, UP-BA or WBBA-P	-45.0*
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:									
SC-113.	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	Note 2	1 per 4.0 ft ²	V-Force SB Primer; V-Force, 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	I.S.O. Stick	UltraPly TPO XR / XR-BA	-45.0*

TABLE 2E: 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 (Note 1)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SA SYSTEMS:									
SC-114.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.75-inch FM Approved perlite	Note 2	1 per 2.0 ft ²	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 or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt or I.S.O. Stick	UltraPly TPO SA, self-adhered	-45.0*
SC-115.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	V-Force WB Primer; V-Force, 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; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-37.5*
SC-116.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	Note 2	1 per 2.7 ft ²	V-Force WB Primer; V-Force, 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. Stick	UltraPly TPO SA, self-adhered	-45.0*
SC-117.	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	Note 2	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL; optional min. 0.5-inch ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board; or Min. 7/16-inch OSB	I.S.O. Stick	UltraPly TPO SA, self-adhered	-45.0*

TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
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. 1-inch RESISTA	Note 2	1 per 3.2 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-30.0*

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

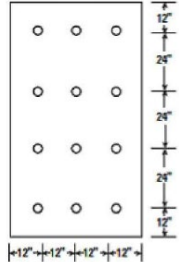
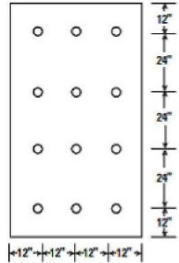
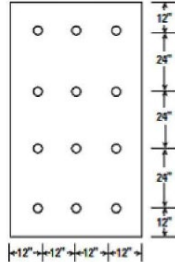
System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
SC-119.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISO 95+ GL	Note 2	1 per 2.7 ft ² 	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-37.5*
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	Note 2	1 per 5.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-37.5*
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 ISO 95+ GL	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-122.	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	Note 2	1 per 2.7 ft ² 	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-123.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*

TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
SC-124.	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	Note 2	1 per 2.7 ft ² 	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0
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. 1.5-inch RESISTA	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-126.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
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. 1.5-inch ISOGARD HD Composite	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
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. 1.5-inch ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
SC-129.	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 ISOGARD HD	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-45.0*
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 ISOGARD HD	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
SC-131.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA or UP-BA	-45.0*
SC-132.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Note 2	1 per 2.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*

**TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-134.	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	Note 2	1 per 4.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*
SC-135.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0
SC-136.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
SC-137.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch OSB	Elevate HD HailGard Fastener	1 per 2.7 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-45.0
SC-138.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-52.5
SC-139.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch OSB	Elevate HD HailGard Fastener	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-52.5
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. 1.5-inch ISO 95+ GL	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-60.0
SC-141.	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	Note 2	1 per 2.13 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
SC-142.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
SC-143.	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 ISOGARD HD	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
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. 1.5-inch ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
SC-145.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-67.5

**TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
SC-146.	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	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-147.	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. 7/16-inch OSB	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-148.	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	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-149.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-150.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-75.0
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 RESISTA	Note 2	1 per 1.0 ft ²	UltraPly TPO / WBBA-P	-75.0
SC-152.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.6 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-82.5
SC-153.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-82.5
SC-154.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 7/16-inch APA rated OSB	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-82.5
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	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-90.0
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-inch RESISTA	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-157.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-105.0
SC-158.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-112.5
SC-159.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5

TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-160.	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 ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-161.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-162.	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 ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-120.0
SC-163.	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 ISOGARD GL	Note 2	1 per 1.0 ft ²	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-135.0
SC-164.	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 ISOGARD CG	Note 2	1 per 1.0 ft ²	UltraPly TPO / LVOC-BA, LVOC-BA-1168 OR UP-BA	-135.0
SC-165.	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 (<i>no ISOGARD GL</i>)	Note 2	1 per 1.0 ft ²	UltraPly TPO / UP-BA	-150.0
SC-166.	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 (<i>no ISOGARD CG</i>)	Note 2	1 per 1.0 ft ²	UltraPly TPO / LVOC-BA, LVOC-BA-1168 OR UP-BA	-150.0
SC-167.	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. 7/16-inch OSB	Note 2 (Heavy Duty only for steel)	1 per 1.0 ft ²	UltraPly TPO / UP-BA, LVOC-BA-1168	-150.0
SC-168.	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	Note 2 (Heavy Duty only for steel)	1 per 1.0 ft ²	UltraPly TPO / UP-BA, LVOC-BA-1168	-150.0
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:							
SC-169.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-37.5*
SC-170.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-45.0*
SC-171.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4.0 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-45.0*
SC-172.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch OSB or min. 0.5-inch ISOGARD HD or Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-45.0*

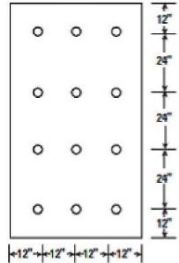
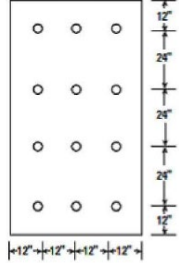
**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-173.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-67.5
SC-174.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 7/16-inch APA rated OSB	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / Jet Bond Spray Adhesive	-82.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
SC-175.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-37.5*
SC-176.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-177.	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	Note 2	1 per 4.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-178.	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. 7/16-inch OSB or DEXcell Cement Roof Board	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-179.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.1 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-180.	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 ISOGARD HD	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0*
SC-181.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-82.5
SC-182.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-183.	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 ISOGARD GL	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-135.0
SC-184.	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 ISOGARD GL)	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-142.5

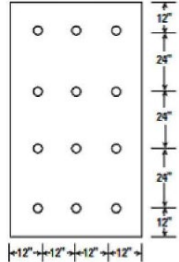
**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
SC-185.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-37.5*
SC-186.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-187.	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	Note 2	1 per 4.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-188.	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. 7/16-inch OSB	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-189.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0*
SC-190.	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 ISOGARD HD	Note 2	1 per 2.1 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0*
SC-191.	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 ISOGARD HD	Note 2	1 per 2.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-45.0*
SC-192.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-82.5
SC-193.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-82.5
SC-194.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-82.5
SC-195.	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 (<i>no ISOGARD GL</i>)	Note 2	1 per 1.0 ft ²	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-142.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:							
SC-196.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO XR / XR-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
SC-197.	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	Note 2	1 per 3.2 ft ²	UltraPly TPO SA, self-adhered	-30.0*

**TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2, Note 11)	Attach (Note 17)		
SC-198.	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	Note 2	1 per 2.7 ft ² 	UltraPly TPO SA, self-adhered	-37.5*
SC-199.	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	Note 2	1 per 5.3 ft ²	UltraPly TPO SA, self-adhered	-37.5*
SC-200.	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	Note 2	1 per 4.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-201.	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	Note 2	1 per 2.7 ft ² 	UltraPly TPO SA, self-adhered	-45.0*
SC-202.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*

**TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-203.	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	Note 2	1 per 2.7 ft ² 	UltraPly TPO SA, self-adhered	-45.0
SC-204.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-205.	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	Note 2	1 per 2.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-206.	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 ISOGARD HD Composite	Note 2	1 per 4.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-207.	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 ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-45.0
SC-208.	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 ISOGARD HD	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-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, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-45.0
SC-210.	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	Note 2	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-211.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-212.	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 SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	UltraPly TPO SA, self-adhered	-45.0*
SC-213.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-45.0
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, loose laid	Min. 7/16-inch OSB	Elevate HD HailGard Fastener (steel only)	1 per 2.7 ft ²	UltraPly TPO SA, self-adhered	-45.0

**TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-215.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-52.5
SC-216.	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. 7/16-inch OSB	Elevate HD HailGard Fastener (steel only)	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-52.5
SC-217.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-60.0
SC-218.	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	Note 2	1 per 2.13 ft ²	UltraPly TPO SA, self-adhered	-60.0
SC-219.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-60.0
SC-220.	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 ISOGARD HD	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-60.0
SC-221.	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 ISOGARD HD Composite	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-60.0
SC-222.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-67.5
SC-223.	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	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-224.	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. 7/16-inch OSB	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-225.	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	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-226.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-227.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-228.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO SA, self-adhered	-75.0
SC-229.	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	Note 2	1 per 1.6 ft ²	UltraPly TPO SA, self-adhered	-82.5
SC-230.	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	Note 2	1 per 1.8 ft ²	UltraPly TPO SA, self-adhered	-82.5

TABLE 2F: 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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 2 , Note 11)	Attach (Note 17)		
SC-231.	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	Note 2	1 per 1.3 ft ²	UltraPly TPO SA, self-adhered	-90.0
SC-232.	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	Note 2	1 per 1.0 ft ²	UltraPly TPO SA, self-adhered	-90.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 3 , Note 13)	Attach (Note 17)		Roof Cover (Note 15B)	MDP (psf)
				Fasten (Note 11)	Density / Pattern		
SC-233.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and UltraPly TPO InvisiWeld Plate	Max. 18-inch o.c. in rows max. 60-inch o.c.	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0
SC-234.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and UltraPly TPO InvisiWeld Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0
SC-235.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (Note 5)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5
SC-236.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 5.3 ft ² (6 parts per 4x8 ft board) Per FM LPDS 1-29	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
SC-237.	Min. 22 ga., type B, 50 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2.5-inch ISO 95+ GL, RESISTA or ISOGARD HD Composite	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
SC-238.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SEUROCK Gypsum-Fiber Roof Board followed by V-Force with min. 3-inch side laps self-adhered	Min. 2.5-inch ISO 95+ GL, RESISTA or ISOGARD HD Composite	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
SC-239.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) Per FM LPDS 1-29	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-60.0

**TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 3, Note 13)	Attach (Note 17)		Roof Cover (Note 15B)	MDP (psf)
				Fasten (Note 11)	Density / Pattern		
SC-240.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener with alternating Rows of: 1.) Elevate UltraPly TPO InvisiWeld Plate 2.) Elevate Insulation Fastening Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-67.5
SC-241.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board) Per FM LPDS 1-29	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0
SC-242.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and UltraPly TPO InvisiWeld Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) Per FM LPDS 1-29	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-105.0

**TABLE 2H: 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 (Note 1)	Vapor & Air Barrier	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-243.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or 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
SC-244.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD 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
SC-245.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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
SC-246.	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	UltraPly TPO XR	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate 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
SC-247.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD 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

**TABLE 2H: 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 (Note 1)	Vapor & Air Barrier	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-248.	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	UltraPly TPO	Elevate HD 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
SC-249.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD 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
SC-250.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD 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
SC-251.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO 95+ GL, RESISTA or ISOGARD HD Composite	Note 2 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	UltraPly TPO	Elevate HD Fastener with Elevate 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
SC-252.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or 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-253.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate 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-254.	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	UltraPly TPO	Elevate HD 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
SC-255.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or 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-256.	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	UltraPly TPO	Elevate HD 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

**TABLE 2H: 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 (Note 1)	Vapor & Air Barrier	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-257.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate or 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-258.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISO 95+ GL, RESISTA or ISOGARD HD	Note 2 (HD only) 1 per 8 ft ² 24x72-inch grid	UltraPly TPO	Elevate HD Fastener with Elevate 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-259.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or 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-260.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate 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-261.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by V-Force with min. 3-inch side laps self-adhered	Min. 3-inch ISO 95+ GL or RESISTA	Note 2 (HD only) 1 per 4.0 ft ² 24x24-inch grid	UltraPly TPO	Elevate HD Fastener with Elevate 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
SC-262.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISO 95+ GL, RESISTA or ISOGARD HD	Note 2 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	UltraPly TPO	Elevate HD Fastener with Elevate 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-263.	Min. 22 ga., type B, Grade 80 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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-264.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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-265.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO, min. nominal 60-mil	Elevate HD Fastener with Elevate 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-266.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD 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

**TABLE 2H: 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 (Note 1)	Vapor & Air Barrier	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-267.	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	UltraPly TPO	Elevate HD 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-268.	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	UltraPly TPO	Elevate HD 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-269.	Min. 22 ga., type B, 60 ksi steel	Two (2) layers, V-Force with min. 3-inch side laps self-adhered	Min. 3-inch ISO 95+ GL, RESISTA or ISOGARD HD Composite	Note 2 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	UltraPly TPO	Elevate HD Fastener with Elevate 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-270.	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	UltraPly TPO	Elevate HD 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 2I: 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 (Note 1)	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-271.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate 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
SC-272.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick ISO 95+GL	prelim. attached	UltraPly TPO	Elevate HD Plus Fastener with Elevate 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
SC-273.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Fastener with Elevate 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
SC-274.	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	UltraPly TPO	UltraPly QuickSeam R.M.A. Strips with Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strip	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 Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-37.5

**TABLE 2: 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 (Note 1)	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-275.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate 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-276.	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	UltraPly TPO	UltraPly QuickSeam R.M.A. Strips with Elevate HD Fastener with Elevate Coiled Metal Batten Strip	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-277.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	UltraPly TPO	Elevate HD Fastener with Elevate 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-278.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or 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
SC-279.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strips	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-280.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Plus Fastener with Elevate 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-281.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Coiled Metal Batten Strip or Elevate 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-282.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	UltraPly TPO	Elevate HD Plus Fastener with Elevate 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

**TABLE 2: 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 (Note 1)	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
SC-283.	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	UltraPly TPO	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or Coiled Metal Batten Strip or Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate 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-284.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or 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-285.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	UltraPly TPO	Elevate HD Plus Fastener (steel only) with Elevate ¾" Polymer Batten Strips	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-286.	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	UltraPly TPO	Elevate HD Fastener with Elevate 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-287.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or 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
SC-288.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate 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-289.	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	UltraPly TPO	Elevate HD Plus Fastener (steel only) with Elevate 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-290.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	UltraPly TPO	Elevate HD Plus Fastener (steel only) with Elevate ¾" Polymer Batten Strips	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 UltraPly TPO strips sealed on both sides with 1.5-inch heat weld.	- 135.0

**TABLE 2: 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 (Note 1)	Insulation (Note 3 , Note 13)		Base Sheet			Roof Cover (Note 15)	MDP (psf)
		Type	Attach	Type	Fasten (Note 2 , Note 11)	Attach		
SC-291.	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	SBS Base	Note 2	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	UltraPly TPO XR / XR Stick (RIBBON, 12) Ribbons centered between base sheet fastener rows	-37.5*
SC-292.	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	SBS Base	Note 2	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	UltraPly TPO XR / XR Stick (RIBBON, 12) Ribbons placed atop stress plates in base sheet fastener rows	-45.0*
SC-293.	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	MB Base	Note 2	Max. 12-inch o.c. at the min. 2-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	UltraPly TPO XR / Hot asphalt	-45.0*

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY 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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-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	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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; I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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; I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0
C-7	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-285.0
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO / WBBA-P	-165.0
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO /WBBA-P	-240.0
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO / WBBA-P	-247.5

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-11	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-360.0
C-12	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Min. 1-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-450.0
C-13	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-127.5
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-127.5
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-157.5
C-16	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-187.5
C-17	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 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; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0
C-19	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-247.5
C-20	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 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; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-247.5

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-21	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-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; I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-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; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / 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; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO / UP-BA, LVOC-BA-1168	-247.5
C-26	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168, WBBA-P	-300.0
C-27	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-270.0
C-28	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0
C-30	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-150.0

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-31	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO / WBBA-P	-150.0
C-32	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	UltraPly TPO / WBBA-P	-247.5
C-33	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-360.0
C-34	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Stick	Min. 1-inch RESISTA	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-450.0
C-35	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-150.0
C-36	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-150.0
C-37	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-150.0
C-38	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-262.5
C-39	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-262.5
C-40	Min. 2,500 psi structural concrete	None	(Optional) One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5
C-41	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO / WBBA-P	-247.5

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-42	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-300.0
C-43	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-360.0
C-44	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	UltraPly TPO / UP-BA, LVOC-BA-1168, WBBA-P	-405.0
C-45	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-405.0
C-46	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	UltraPly TPO / WBBA-P	-247.5
C-47	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-360.0
C-48	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. FIX II	Min. 1-inch RESISTA	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-450.0
C-49	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-262.5
C-50	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO / WBBA-P	-135.0
C-51	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 4-inch o.c.	None	N/A	UltraPly TPO / WBBA-P	-135.0
C-52	Min. 2,500 psi structural concrete	None	(Optional) One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5
C-53	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 4-inch o.c.	None	N/A	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-247.5

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-54	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA, LVOC-BA-1168	-300.0
C-55	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 6-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-360.0
C-56	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 4-inch o.c.	None	N/A	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA	-360.0
C-57	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond or UP-BA	-337.5
C-58	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond or UP-BA	-337.5
C-59	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 7/16-inch DEXcell Cement Roof Board	Twin Jet, 4-inch o.c.	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-337.5
ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:								
C-60	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	UltraPly TPO XR / Hot Asphalt	-232.5
C-61	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	UltraPly TPO XR / Hot Asphalt	-300.0
C-62	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	None	N/A	UltraPly TPO XR / Hot Asphalt	-382.5
C-63	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	None	N/A	UltraPly TPO XR / Hot Asphalt	-487.5
C-64	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	UltraPly TPO XR / Hot Asphalt	-457.5

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-65	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	UltraPly TPO XR / Hot Asphalt	-300.0
C-66	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO XR / Hot Asphalt	-390.0
C-67	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO XR / Hot Asphalt	-187.5
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:								
C-68	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Jet Bond	-172.5
C-69	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Jet Bond	-172.5
C-70	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Jet Bond	-172.5
C-71	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Jet Bond	-45.0
C-72	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Dupont 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	UltraPly TPO XR / Jet Bond	-112.5
C-73	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	UltraPly TPO XR / Jet Bond	-292.5

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-74	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> 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 APA or TECO rated OSB or min. 0.5-inch ISOGARD HD	Twin Jet, 4-inch o.c.	UltraPly TPO XR / Jet Bond	-292.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
C-75	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
C-76	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
C-77	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
C-78	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
C-79	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
C-80	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
C-81	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-82	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
C-83	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
C-84	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Dupont 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	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-112.5
C-85	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	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-360.0
C-86	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	UltraPly TPO XR / XR Stick (RIBBON, 4)	-360.0
C-87	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-337.5
C-88	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> 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 APA or TECO rated OSB or min. 0.5-inch ISOGARD HD	Twin Jet, 4-inch o.c.	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-337.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
C-89	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-127.5
C-90	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-142.5

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-91	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
C-92	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, RESISTA or min. 0.5-inch ISO GARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick, 6-inch o.c.	None	N/A	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-412.5
C-93	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISO GARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-82.5
C-94	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISO GARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
C-95	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-60.0
C-96	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
C-97	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 12)	-45.0
C-98	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-60.0
C-99	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	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; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
C-100	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0
C-101	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Dupont 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	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-112.5

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-102	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-337.5
C-103	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board or APA or TECO rated OSB	Twin Jet, 4-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-247.5
C-104	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet, 4-inch o.c.	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-337.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
C-105	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	UltraPly TPO XR / XR-BA	-232.5
C-106	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	UltraPly TPO XR / XR-BA	-300.0
C-107	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / XR-BA	-112.5
C-108	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick	UltraPly TPO XR / XR-BA	-390.0
C-109	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-300.0
C-110	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO XR / XR-BA	-187.5
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
C-111	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	UltraPly TPO SA, self-adhered	-180.0

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

 REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-112	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	UltraPly TPO SA, self-adhered	-195.0
C-113	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-165.0
C-114	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO SA, self-adhered	-240.0
C-115	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO SA, self-adhered	-285.0
C-116	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	UltraPly TPO SA, self-adhered	-360.0
C-117	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-127.5
C-118	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-157.5
C-119	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO SA, self-adhered	-187.5
C-120	Min. 2,500 psi structural concrete	None	Two layers min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	UltraPly TPO SA, self-adhered	-195.0
C-121	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	UltraPly TPO SA, self-adhered	-247.5
C-122	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-247.5
C-123	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO SA, self-adhered	-300.0
C-124	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	UltraPly TPO SA, self-adhered	-270.0
C-125	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	UltraPly TPO SA, self-adhered	-240.0

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

REFER TO [NOTE 13](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-126	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO SA, self-adhered	-150.0
C-127	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	UltraPly TPO SA, self-adhered	-360.0
C-128	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO SA, self-adhered	-150.0
C-129	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO SA, self-adhered	-300.0
C-130	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	UltraPly TPO SA, self-adhered	-360.0
C-131	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	UltraPly TPO SA, self-adhered	-405.0
C-132	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	UltraPly TPO SA, self-adhered	-360.0
C-133	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 4-inch o.c.	None	N/A	UltraPly TPO SA, self-adhered	-247.5
C-134	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO SA, self-adhered	-300.0
C-135	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 6-inch o.c.	UltraPly TPO SA, self-adhered	-360.0

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)				MDP (psf)
			Base Ply	Application	Top Ply	Application	
C-136	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	XR Stick (RIBBON, 12)	-97.5
C-137	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	XR Stick (RIBBON, 6)	-150.0
C-138	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	UltraPly TPO XR	XR-BA	-180.0
C-139	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	XR-BA	-360.0
C-140	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	UltraPly TPO XR	Hot asphalt	-382.5
C-141	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	I.S.O. Spray R (RIBBON, 4)	-472.5
C-142	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	Hot asphalt	-487.5
C-143	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	UltraPly TPO XR	Hot asphalt	-495.0
C-144	Min. 2,500 psi structural concrete	None	None	N/A	UltraPly TPO XR	Twin Jet (RIBBON, 4 or SPATTER)	-495.5
C-145	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 MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	UltraPly TPO XR	I.S.O. Spray R (RIBBON, 4)	-240.0
C-146	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 MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	UltraPly TPO XR	XR Stick (RIBBON, 4)	-315.0
C-147	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 MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	UltraPly TPO XR	I.S.O. Spray R (RIBBON, 4)	-360.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:								
CELCORE (NOA 18-0717.05):								
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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Twin Pack	UltraPly TPO / 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	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	UltraPly TPO / 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	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO / 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	I.S.O. Twin Pack	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. Twin Pack	UltraPly TPO / 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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-217.5
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	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-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	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-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	I.S.O. Twin Pack	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. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Twin Pack	UltraPly TPO / 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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick	UltraPly TPO / 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	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	UltraPly TPO / WBBA-P	-135.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO / WBBA-P	-135.0
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	I.S.O. Stick	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. Stick	UltraPly TPO / 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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-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	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-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	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-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	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick	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. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-187.5
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	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick	UltraPly TPO / 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	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-28	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-29	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0
LWC-30	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISO 95+ GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-222.5
LWC-31	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete.	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-222.5

ELASTIZELL (NOA 18-0208.03):

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-32	Structural concrete	Min. 200 psi, min. 2-inch thick Elastzell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-33	Structural concrete	Min. 200 psi, min. 2-inch thick Elastzell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-34	Structural concrete	Min. 200 psi, min. 2-inch thick Elastzell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	Polysset CRA	(Optional) Additional layers base insulation	Polysset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-180.0
LWC-35	Structural concrete	Min. 200 psi, min. 2-inch thick Elastzell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISO 95+ GL	Polysset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-180.0
INSULCEL (NOA 22-1020.11):								
LWC-36	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-37	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
MEARLCRETE (NOA 19-0729.03):								
LWC-38	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-39	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-225.0
LWC-40	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	Polysset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-41	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-240.0
LWC-42	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISO 95+ GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-240.0
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:								
CELCORE (NOA 18-0717.05):								
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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-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	I.S.O. Twin Pack	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. 7/16-inch APA or TECO rated OSB or min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-172.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
CELCORE (NOA 18-0717.05):								
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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
CELCORE (NOA 18-0717.05):								
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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-45.0
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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 12 or SPATTER)	-45.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
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	I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (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	I.S.O. Stick or I.S.O. Twin Pack	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. Stick or I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
CELCORE (NOA 18-0717.05):								
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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-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	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-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	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-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	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-217.5
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	I.S.O. Twin Pack	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. Twin Pack	UltraPly TPO XR / XR-BA	-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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick	UltraPly TPO XR / XR-BA	-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	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. Stick	UltraPly TPO XR / XR-BA	-142.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	UltraPly TPO XR / XR-BA	-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	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO XR / XR-BA	-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	I.S.O. Stick	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. Stick	UltraPly TPO XR / XR-BA	-187.5

**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)	MDP (psf)
ELEVATE ULTRAPLY TPO SYSTEMS:				
CELCORE (NOA 18-0717.05):				
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.	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-247.5
PRE-EXISTENT CELLULAR CONCRETE (NOTE 14):				
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.	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-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 Elevate HD Fastener at a density of 1 per 2.0 ft ² .	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-135.0
ELEVATE ULTRAPLY TPO XR SYSTEMS:				
CELCORE (NOA 18-0717.05):				
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.	UltraPly TPO XR / XR-BA	-45.0

**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)	MDP (psf)
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.	UltraPly TPO XR / XR-BA	-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.	UltraPly TPO XR / XR-BA	-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.	UltraPly TPO XR / XR Stick (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.	UltraPly TPO XR / XR-BA	-82.5
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.	UltraPly TPO XR / XR-BA	-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 Elevate HD Fastener at a density of 1 per 2.0 ft ² .	UltraPly TPO XR / XR-BA	-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 Elevate HD Fastener at a density of 1 per 2.0 ft ² .	UltraPly TPO XR / XR-BA	-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.	UltraPly TPO XR / XR-BA	-90.0
ELASTIZELL (NOA 18-0208.03):				
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.	UltraPly TPO XR / XR-BA	-37.5
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 Elevate HD Fastener at a density of 1 per 2.0 ft ² .	UltraPly TPO XR / XR-BA	-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.	UltraPly TPO XR / XR-BA	-90.0

**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)	MDP (psf)
LWC-100	Min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete. No EPS hole board.	UltraPly TPO XR / XR-BA	-210.0
PRE-EXISTENT CELLULAR CONCRETE (NOTE 14):				
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 hole board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Elevate HD Fastener at a density of 1 per 2.0 ft ² . <i>Note: To qualify the LWIC under this assembly, an Trufast FM-90 Fastener shall achieve a MCRF of 100 lbf when tested per Note 11.</i>	UltraPly TPO XR / XR-BA	-75.0
LWC-102	Min. 2,500 psi structural concrete	Pre-existent Min. 250 psi, min. 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, an Trufast FM-90 Fastener shall achieve a MCRF of 95 lbf when tested per Note 11.</i>	UltraPly TPO XR / XR-BA	-467.5

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

System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
CWF-1.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-45.0
CWF-2.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-45.0
CWF-3.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
CWF-4.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	Polysset CRA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-52.5
CWF-5.	Existing Tectum	Min. 1.5-inch ISO 95+ GL	Polysset CRA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-52.5
CWF-6.	Existing Tectum	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	None	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-75.0
CWF-7.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-82.5
CWF-8.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-92.5
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:							
CWF-9.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-67.5
ELEVATE ULTRAPLY TPO XR / TWIN JET OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
CWF-10.	Existing Tectum	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	None	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6) or XR Stick (RIBBON, 6)	-75.0
CWF-11.	Existing Tectum	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5

TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-12.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking 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	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-45.0*
CWF-13.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking 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	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-45.0*
CWF-14.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking 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	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0*

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

System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
G-1.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-165.0
G-2.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-127.5
G-3.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-127.5
G-4.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-157.5
G-5.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5
G-6.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / UP-BA	-230.0
G-7.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	Polysat CRA	(Optional) Additional layers base insulation	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-257.5
G-8.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	Polysat CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0
G-9.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	Polysat CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0
G-10.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-112.5
G-11.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-112.5
G-12.	Existing gypsum deck	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-112.5
ELEVATE ULTRAPLY TPO XR SYSTEMS:							
G-13.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4)	-172.5
G-14.	Existing gypsum deck	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond or XR Stick (RIBBON, 4)	-230.0

TABLE 6B: GYPSUM DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-15.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking 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	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-45.0*
G-16.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking 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	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-45.0*

TABLE 6C: GYPSUM DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)	MDP (psf)
G-17.	Existing gypsum deck	UltraPly TPO XR / Twin Jet (SPATTER)	-272.5

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY 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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-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	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-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	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-195.0
R-5	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-157.5
R-6	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA-1168	-157.5
R-7	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-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; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-157.5
R-9	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
R-10	Existing granule surface modified bitumen	Min. 1-inch RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO / WBBA-P	-247.5
R-11	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-262.5
R-12	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO / WBBA-P	-135.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-13	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5
R-14	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-262.5
R-15	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO / WBBA-P	-135.0
R-16	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA or UP-BA	-247.5
R-17	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-262.5
R-18	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-262.5
R-19	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Polysat CRA	(Optional) Additional layers base insulation	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-262.5
R-20	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Polysat CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, UP-BA	-195.0
R-21	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Polysat CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0
R-22	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
R-23	Existing granule surface modified bitumen	Min. 1-inch RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA	I.S.O. FIX II	UltraPly TPO / WBBA-P	-195.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-24	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-195.0
R-25	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO / WBBA-P	-135.0
R-26	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond	-172.5
R-27	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / LVOC-BA, LVOC-BA-1168 OR UP-BA	-195.0
R-28	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	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. FIX II	UltraPly TPO / WBBA-P	-135.0
R-29	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	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. FIX II	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-195.0
R-30	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / WBBA-P	-45.0
R-31	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA	I.S.O. Stick	UltraPly TPO / WBBA-P	-60.0
R-32	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. Stick	UltraPly TPO or UltraPly TPO Flex Adhered / Jet Bond, LVOC-BA, LVOC-BA-1168 or UP-BA	-60.0
R-33	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-120.0
R-34	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO Flex Adhered / Jet Bond, UP-BA, LVOC-BA-1168, LVOC-BA	-120.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-35	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-60.0
R-36	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO Flex Adhered / Jet Bond, UP-BA, LVOC-BA-1168, LVOC-BA	-60.0
R-37	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-60.0
R-38	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO Flex Adhered / Jet Bond, UP-BA, LVOC-BA-1168, LVOC-BA	-60.0
R-39	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-120.0
R-40	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO Flex Adhered / Jet Bond, UP-BA, LVOC-BA-1168, LVOC-BA	-120.0
ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:							
R-41	Existing granule surface modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	UltraPly TPO XR / Hot Asphalt	-457.5
R-42	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	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. FIX II	UltraPly TPO XR / Hot Asphalt	-195.0
R-43	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO XR / Hot Asphalt	-262.5

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-44	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO XR / Hot Asphalt	-352.5
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:							
R-45	Existing asphaltic BUR or existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-172.5
R-46	Existing asphaltic BUR or existing granule surface modified bitumen	(Optional) Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. 7/16-inch APA or TECO rated OSB or min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Jet Bond	-172.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
R-47	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-48	Existing granule surface modified bitumen	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, 6-inch o.c.	None	N/A	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
R-49	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
R-50	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-51	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-52	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
R-53	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-54	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-55	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
R-56	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-57	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-58	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-59	Existing asphaltic BUR	Min. 0.5-inch ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO XR / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
R-60	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-45.0
R-61	Existing granule surface modified bitumen	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; 6-inch o.c.	None	N/A	UltraPly TPO XR / Twin Jet (RIBBON, 6 or SPATTER)	-82.5
R-62	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-127.5
R-63	Existing granule surface modified bitumen	Min. 1.5-inch RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-142.5
R-64	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
R-65	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-82.5
R-66	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
R-67	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 12)	-45.0
R-68	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-60.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-69	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	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. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
R-70	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 7/16-inch APA or TECO rated OSB	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 6)	-45.0
R-71	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
R-72	Existing asphaltic BUR	Min. 0.5-inch ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	UltraPly TPO XR / Twin Jet (RIBBON, 4 or SPATTER)	-172.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:							
R-73	Existing granule-surfaced, asphaltic modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	UltraPly TPO XR / XR-BA	-300.0
R-74	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-112.5
R-75	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-262.5
R-76	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO XR / XR-BA	-262.5
R-77	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO XR / XR-BA	-195.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-78	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	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. FIX II	UltraPly TPO XR / XR-BA	-195.0
R-79	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO XR / XR-BA	-60.0
R-80	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL or RESISTA followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO XR / XR-BA	-352.5
R-81	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO XR / XR-BA	-300.0
R-82	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.	UltraPly TPO XR / XR-BA	-255.0
R-83	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	UltraPly TPO XR / XR-BA	-202.5
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
R-84	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Hot Asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	UltraPly TPO SA, self-adhered	-180.0
R-85	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	UltraPly TPO SA, self-adhered	-195.0
R-86	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-157.5

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-87	Existing asphaltic BUR or granule surface modified bitumen	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-157.5
R-88	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-262.5
R-89	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-262.5
R-90	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-247.5
R-91	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray R; I.S.O. Twin Pack	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; I.S.O. Twin Pack	UltraPly TPO SA, self-adhered	-262.5
R-92	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Polysat CRA	(Optional) Additional layers base insulation	Polysat CRA	UltraPly TPO SA, self-adhered	-262.5
R-93	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL	Polysat CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	UltraPly TPO SA, self-adhered	-240.0
R-94	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. FIX II	UltraPly TPO SA, self-adhered	-195.0
R-95	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	UltraPly TPO SA, self-adhered	-195.0
R-96	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	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. FIX II	UltraPly TPO SA, self-adhered	-195.0
R-97	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL or Tapered RESISTA	I.S.O. Stick	UltraPly TPO SA, self-adhered	-60.0
R-98	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	UltraPly TPO SA, self-adhered	-120.0

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

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

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-99	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISO 95+GL or Tapered RESISTA; Min. 0.5-inch ISOGARD HD	I.S.O. Stick	UltraPly TPO SA, self-adhered	-60.0
R-100	Existing asphaltic BUR	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	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. Stick	UltraPly TPO SA, self-adhered	-60.0
R-101	Existing granule surface modified bitumen	Min. 1.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	UltraPly TPO SA, self-adhered	-120.0

TABLE 7B: 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 (Note 1)	Insulation Layer	Attach		Roof Cover (Note 15B)	MDP (psf)
			Fasten (Note 11)	Spacing		
R-102	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 (Note 5)	Elevate Purlin Fastener and UltraPly TPO InvisiWeld Plate are fastened through to purlins	18-inch o.c. along purlins	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0
R-103	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 (Note 5)	Elevate Purlin Fastener and UltraPly TPO InvisiWeld Plate are fastened through to purlins	12-inch o.c. along purlins	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0
R-104	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 (Note 5)	Elevate Purlin Fastener and UltraPly TPO InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
R-105	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 (Note 5)	Elevate Purlin Fastener and UltraPly TPO InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	UltraPly TPO induction welded to UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

TABLE 7C: 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 (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attach	
R-106	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	UltraPly TPO	Elevate Purlin Fastener and Elevate 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
R-107	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	UltraPly TPO	Elevate Purlin Fastener and Elevate 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
R-108	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	UltraPly TPO	Elevate Purlin Fastener and Elevate Coiled Metal Batten Strips	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 UltraPly TPO QuickSeam Flashing.	-30.0
R-109	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	UltraPly TPO	Elevate Purlin Fastener and Elevate 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-110	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	UltraPly TPO	Elevate Purlin Fastener and Elevate 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 7D: 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 (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasten (Note 11)	Attach	
R-111	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	UltraPly TPO	Elevate Purlin Fastener and Elevate 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 7E: RECOVER APPLICATIONS
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Substrate (Note 1)	Roof Cover			MDP (psf)
		Membrane	Fasten (Note 11)	Attach	
R-112	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	UltraPly TPO XR	Elevate HD Fastener with Elevate 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
R-113	Min. 22 ga., type B, Grade 80 steel	UltraPly TPO XR	Elevate HD 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-114	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	UltraPly TPO XR	Elevate HD Fastener with Elevate 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-115	Min. 22 ga., type B, Grade 80 steel	UltraPly TPO XR	Elevate HD 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 7F: 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 Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction

System No.	Substrate (Note 1 and Note 12)	Primer	Roof Cover (Note 15)		MDP (psf) ^A
			Type	Application	
R-116	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	UltraPly TPO XR	Twin Jet (RIBBON, 4 or SPATTER)	-142.5
R-117	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	UltraPly TPO XR	I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
R-118	Existing fully-adhered, asphaltic built-up roof cover	None	UltraPly TPO XR	Twin Jet (RIBBON, 4 or SPATTER)	-232.0
R-119	Existing fully-adhered, asphaltic built-up roof cover	None	UltraPly TPO XR	XR Stick (RIBBON, 4)	-315.0
R-120	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	UltraPly TPO XR	I.S.O. Spray R (RIBBON, 4)	-360.0
R-121	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	UltraPly TPO XR	Hot asphalt	-495.0