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ENGINEER **EVALUATE** **TEST** **CONSULT**

EVALUATION REPORT

Tremco Incorporated
3735 Green Road
Beachwood, OH 44122
(800) 562-2728

Evaluation Report 13515.04.16-2-R2
FL22217-R3
Date of Issuance: 04/10/2017
Revision 3: 09/17/2020

SCOPE:
This Evaluation Report 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 **7th Edition (2020) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** sections noted herein.

DESCRIPTION: TremPly® TPO Single-Ply Roof Membrane Systems

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

CONTINUED COMPLIANCE: This Evaluation Report 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 Evaluation Reports 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 Evaluation Report relative to updated Code requirements with each Code Cycle.

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

INSPECTION: Upon request, a copy of this entire Evaluation Report 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 Evaluation Report consists of pages 1 through 4, plus a 61-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983

The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 09/17/2020. This does not serve as an electronically signed document.

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 evaluation reports 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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems
Compliance Statement: TremPly® TPO Single-Ply Roof Membrane Systems, as produced by **Tremco Incorporated**, have demonstrated compliance with the following sections of the **7th Edition (2020) Florida Building Code, HVHZ** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9	2011
TAS 110	Wind resistance	TAS 114, Appendix C, D or J	2011
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F	2011
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	2011
TAS 110	Material standard	ASTM D6878	2013
TAS 110	Static puncture resistance	ASTM D5602	2018
TAS 110	Dynamic puncture resistance	ASTM D5635	2018

3. REFERENCES:

Entity	Examination	Reference	Date
NEMO	Evaluation Report	01506.12.13-1-R13	02/16/2017
NEMO	Cross-Reference	FBC Product Cross Listing	03/31/2017
ATI (TST1558)	TAS 114	H-0730.01-109-44	08/16/2017
ERD (TST6049)	TAS 117	EO8950.03.08-1	03/28/2008
ERD (TST6049)	TAS 117	A35880.04.12-R1	10/26/2012
ERD (TST6049)	FM 4474	SC6775.12.14-1	12/31/2014
ERD (TST6049)	FM 4474	SC6775.01.15	01/02/2015
ERD (TST6049)	FM 4474	SC6775.11.15-09-1	11/12/2015
ERD (TST6049)	FM 4474	SC10010.02.16-R1	07/06/2016
ERD (TST11294)	FM 4474	13625.07.17-1	07/20/2017
ERD (TST11294)	FM 4474	13625.17; TRM-S20	07/27/2017
ERD (TST6049)	FM 4474	TRM-SC13940.09.17	09/20/2017
FM App (TST1867)	FM 4470	3030926	08/07/2007
FM App (TST1867)	FM 4474	3055227	05/21/2015
FM App (TST1867)	FM 4474	3056207	02/09/2016
FM App (TST1867)	FM 4474	3057607	11/22/2016
FM App (TST1867)	FM 4474	RR208456	02/13/2017
NEMO (TST6049)	FM 4470	4S-TRM-18-005	06/12/2018
PRI (TST5878)	Criticality	653-02-01	10/20/2016
PRI (TST5878)	FM 4474	653-02-04	10/20/2016
PRI (TST5878)	ASTM D6878 (UT)	700-02-01	03/10/2017
UL, LLC. (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This Evaluation Report covers **TremPly TPO Single Ply Roof Systems** installed in accordance with **Tremco Incorporated** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: MEMBRANES FOR TREMPLY TPO SINGLE PLY ROOF SYSTEMS

Product	Nominal Thickness (mil)	Material Standard	Plant(s)
TremPly® TPO	45, 60, 80	ASTM D6878	IN, PA, TX, UT
TremPly® Max TPO	50, 60, 70, 80	ASTM D6878	IN, TX, UT
TremPly® TPO FB	45, 60, 80	ASTM D6878	IN
TremPly® Max TPO FB	50, 60, 70, 80	ASTM D6878	IN

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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

5.2 This Evaluation Report is not for use in Non-High Velocity Hurricane Zone jurisdictions.

5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under **Testing Application Standard TAS 114, Appendix J**. Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.

5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **Roofing Application Standard RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.

5.6 Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.

5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **Testing Application Standard TAS 105**.

5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.

5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **Testing Application Standard TAS 124**.

5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.

5.7.1 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **Testing Application Standard TAS 114** has already been applied). Refer to **FBC HVHZ 1620** and **Roofing Application Standard RAS 128** for determination of design wind loads.

5.7.2 For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **Roofing Application Standard RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **Roofing Application Standard RAS 117** or **Roofing Application Standard RAS 137**. ***This extrapolation is not permitted for systems marked with an asterisk****.

5.7.3 For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.

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 Evaluation Report.

6. INSTALLATION:

TremPly® TPO Single-Ply Roof Membrane Systems shall be installed in accordance with **Tremco Incorporated** published installation instructions, subject to the Limitations / Conditions 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, LLC – QUA9625; (414) 248-6409; karen.buchmann@ul.com

- THE 61-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

Appendix 1: Attachment Requirements for Wind Uplift Resistance

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	5
1B	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	6
1C	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	6-9
1D	Wood	New, Reroof (Tear-Off) or Recover	C-2	Plate-Bonded Roof Cover	9
1E	Wood	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	9
1F	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	10
2A	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	11-17
2B	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Base and Cap Ply	18-19
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	20
2D	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	20-30
2E	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Base and Cap Ply	30-31
2F	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	31-32
2G	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	32
3A	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	33-38
3B	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base and Cap Ply	38-39
3C	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	39
4A	Lightweight concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	40-41
4B	Lightweight concrete	New or Reroof (Tear Off)	E	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	41
4C	Lightweight concrete	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Roof Cover	42-44
4D	Lightweight concrete	New or Reroof (Tear Off)	F	Temp Roof / Vapor Barrier to Deck, LWC to Temp Roof / Vapor Barrier, Bonded Roof Cover	45-46
5A	Cementitious wood fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	47
5B	Cementitious wood fiber	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	48
5C	Cementitious wood fiber	New or ReRoof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	48
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	49
6B	Gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	50
6C	Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	50
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	51-59
7B	Wood or Steel	Recover	C-2	Plate-Bonded Roof Cover	60
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	60
7D	Various	Recover	F	Non-Insulated, Bonded Roof Cover	61

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The following notes apply to the systems outlined herein:

1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J.

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

- Wood Deck: Tremco #1211 Fasteners or Tremco #1410 Fasteners with Tremco Disc 3 in. Steel Stress Plates or Tremco Disc Ribbed 3 in. Steel Stress Plates or OMG #12 Standard or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or 3 in. Ribbed Galvalume Plates, Trufast #12 DP or #14 HD Fastener with Trufast 3" Metal Insulation Plate or Tremco #12 DP or #14 HD Fastener with Tremco 3" Metal Insulation Plate. Min. 0.75-inch plywood penetration or minimum 1-inch wood plank embedment.
- Steel Deck: Tremco #1211 Fasteners or Tremco #1410 Fasteners with Tremco Disc 3 in. Steel Stress Plates or Tremco Disc Ribbed 3 in. Steel Stress Plates or OMG #12 Standard or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or 3 in. Ribbed Galvalume Plates, Trufast #12 DP or #14 HD Fastener with Trufast 3" Metal Insulation Plate or Tremco #12 DP or #14 HD Fastener with Tremco 3" Metal Insulation Plate. Minimum 0.75-inch steel penetration, engage the top flute of the steel deck.
- Structural Concrete: Tremco #1410 Fasteners with Tremco Disc 3 in. Steel Stress Plates or Tremco Disc Ribbed 3 in. Steel Stress Plates or OMG #14 Heavy Duty or CD-10 with OMG 3 in. Galvalume Steel Plate or 3 in. Ribbed Galvalume Plates, Trufast #14 HD Fastener or Trufast Fluted Concrete Nail with Trufast 3" Metal Insulation Plate or Tremco #14 HD Fastener or Tremco Fluted Nail with Tremco 3" Metal Insulation Plate. Minimum 1.25-inch embedment. Fasteners 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 HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

4 If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.

5 Preliminary insulation attachment for System Type D: Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

6 Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.

- hot asphalt or THERMastic 80: Full mopping, 25-30 lbs/square.
- ICP Adhesives CR-20 (ICP CR-20): Continuous 2.5 to 3.5-inch ribbons, 12-inch o.c.
- Tremco Low Rise Foam Insulation Adhesive (T-LRFIA): Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. *Note: H.B. Fuller "Millennium One Step Foamable Adhesive", "Millennium One Step Green Foamable Adhesive" or Tremco Low Rise Green Foam Insulation Adhesive may be used wherever T-LRFIA is referenced*
- Tremco Low Rise Foam Insulation Adhesive (BG) [T-LRFIA (BG)]: Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. *Note: H.B Fuller "Millennium PG-1 Pump Grade Adhesive" may be used wherever T-LRFIA (BG) is referenced*
- *Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.*
- *Note: 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.*

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.

- hot asphalt or THERMastic 80: MDP = -240.0 psf (Min. 0.5-inch thick)
- ICP CR-20: MDP = -117.5 psf (Min. 1.0-inch thick)
- T-LRFIA or T-LRFIA(BG): MDP = -157.5 psf (Min. 0.5-inch thick)
- T-LRFIA(BG): MDP = -232.5 psf (Min. 0.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard NH Polyiso Insulation, EnergyGuard Ultra, EnergyGuard NH Ultra)

8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

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

10 For assemblies marked with an asterisk*, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.

11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137 – may be submitted to the Building Official for review and acceptance.

12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance 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 in accordance with Testing Application Standard TAS 124.

13 For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC HVHZ Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

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

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

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	**ADHESIVE**	**METHOD**	**RATE**
TremPly TPO	TremPly TPO Bonding Adhesive (TremPly BA)	Contact (both sides)	0.8 to 1.0 gal/square/surface. For use over SECUROCK Gypsum-Fiber Roof Board, the application rate changes to 1.2 to 1.67 gal/sq./surface
TremPly TPO	TremPly WB Bonding Adhesive (TremPly WB BA)	Contact (both sides)	To polyisocyanurate or Structodek High Density Fiberboard Roof Insulation, G-P "FiberBase HD Excel" at 0.63 gal/square and roof cover underside at 0.21 gal/square. To Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board at 0.63 to 0.75 gal/square and roof cover underside at 0.21 to 0.25 gal/square
TremPly TPO	TremPly TPO LV Bonding Adhesive (TremPly TPO LV BA)	Contact (both sides)	0.46 gal/square/surface
TremPly TPO	TremPly TPO Bonding Adhesive LV3 (TremPly TPO BA LV3)	Contact (both sides)	0.84 gal/square/surface
TremPly TPO	TremPly Secure Adhesive	Wet lay (substrate)	1 to 1.25 gal/square, depending on substrate porosity
TremPly TPO FB	hot asphalt or THERMastic 80 Adhesive	Wet lay (substrate)	25 lbs/square
TremPly TPO FB	TremPly Secure Adhesive	Wet lay (substrate)	1 to 1.25 gal/square, depending on substrate porosity
TremPly TPO FB	TremPly WB Bonding Adhesive (TremPly WB BA)	Wet lay (substrate)	0.83 to 1.0 gal/square
TremPly TPO FB	Tremco LR Adhesive (T-LRA)	Wet lay (substrate)	1-inch wide ribbons spaced as noted in tables herein. Note: The adhesive ribbons are located directly over the adhesive ribbons used to secure the insulation when the cover is bonded to insulation less than 1.5-inch thick.
TremPly TPO FB	ICP Adhesives CR-20 (ICP CR-20)	Wet lay (substrate)	"Spatter pattern" at 3.75 lbs/sq.

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16 Vapor barrier options for use over structural concrete deck followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in Table 3A applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	Tremco AVC Primer	Tremco AVC Membrane	Self-adhering	T-LRFIA, T-LRFIA(BG) or T-LRA, 12-inch o.c.	-150.0
C-VB-2.	TREMprime WB Primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green	BURmastic Adhesive SF at 2 gal/square	T-LRFIA(BG) or T-LRA, 12-inch o.c.	-180.0
C-VB-3.	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green	BURmastic Adhesive SF at 2 gal/square	T-LRFIA(BG) or T-LRA, 12-inch o.c.	-182.5
C-VB-4.	TREMprime WB Primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green	BURmastic Adhesive SF at 2 gal/square	T-LRFIA, 12-inch o.c.	-202.5
C-VB-5.	ASTM D41	THERMglas IV, THERMglas Premium VI	hot asphalt	hot asphalt	-225.0
C-VB-6.	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green	POWERply Endure BIO Adhesive TF at 2 gal/square	LRFIA, LRFIA(BG) or LRA, 12-inch o.c.	-262.5
C-VB-7.	None	POWERply Premium Smooth, POWERply Standard Smooth, POWERply Endure 100 Smooth, POWERply Endure 200 Smooth	POWERply Endure BIO Adhesive TF at 2 gal/sq.	LRFIA, LRFIA(BG) or LRA, 12-inch o.c.	-292.5
C-VB-8.	TREMprime WB Primer	POWERply Standard Smooth HW	Torch-applied	T-LRFIA, T-LRFIA(BG) or T-LRA, 12-inch o.c.	-345.0

17 TremPly Max TPO may be used as an alternate to TremPly TPO. TremPly Max TPO FB may be used as an alternate to TremPly TPO FB.

18 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and Roofing Application Standard RAS 128 for determination of design wind loads.

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TABLE 1A: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER 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)	Base	Cap	
W-1.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, H-Shield or min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	hot asphalt or THERMastic 80	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt	TremPly TPO FB in hot asphalt or THERMastic 80	-52.5
W-2.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, H-Shield or min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	hot asphalt or THERMastic 80	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-60.0
W-3.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, H-Shield or min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	hot asphalt or THERMastic 80	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-75.0
W-4.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, H-Shield or min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	hot asphalt or THERMastic 80	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-82.5

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TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)	MDP (psf)
		Type	Fasten	Attach	Type	Attach		
W-5.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG) or ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
W-6.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG) or ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-52.5
W-7.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG) or ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
W-8.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG) or ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-52.5

TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Cap	
TREMPLY TPO:								
W-9.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
W-10.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
W-11.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft^2	None	TremPly TPO / TremPly Secure Adhesive	-45.0*
W-12.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
W-13.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-52.5

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TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Cap	
W-14.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-52.5
W-15.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft^2	None	TremPly TPO / TremPly Secure Adhesive	-52.5
W-16.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-60.0
W-17.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	None	TremPly TPO / TremPly Secure Adhesive	-60.0
W-18.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.6 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-60.0
W-19.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft^2	None	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-60.0
TREMPLY TPO FB:								
W-20.	Min. 23/32-inch plywood	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	See Note 2	1 per 2.0 ft^2	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
W-21.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Tremco #1410 Fasteners with Tremco Disc Ribbed 3 in. Steel Stress Plates, OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plates, Tremco #14 HD with Tremco 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.8 ft^2	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-60.0

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TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Cap	
W-22.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Tremco #14 HD with Tremco 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft^2 12 parts per 4 x 4 ft board	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-82.5
W-23.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
W-24.	Min. 19/32-inch plywood at max. 2 ft spans	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
W-25.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
W-26.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
W-27.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft^2	None	TremPly TPO FB / TremPly Secure Adhesive	-52.5
W-28.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-60.0
W-29.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	None	TremPly TPO FB / TremPly Secure Adhesive	-60.0
W-30.	Min. 19/32-inch plywood at max. 2 ft spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.6 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Cap	
W-31.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft^2	None	TremPly TPO FB / ICP CR-20 (spatter)	-60.0

TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover	MDP (psf)
			Fasteners (Note 11)	Spacing		
W-32.	Min. 19/32-inch plywood; 24-inch span	One or more layers, any combination	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	1 per 4.0 ft^2 (2 x 2 ft grid)	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-45.0*

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

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
W-33.	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	(Optional) One or more layers, any combination	Prelim. attached	TremPly TPO	Trufast #14 HD or #15 EHD or Tremco #14 HD or #15 EHD with Trufast 2.4" Barbed Metal Seam Plates or Tremco 2.4" Barbed Seam Plates	6-inch o.c. within 5-inch wide laps spaced 55-inch o.c. and sealed with a 1.75-inch heat weld.	-52.5
W-34.	Min. 19/32-inch plywood at max. 2 ft spans; 2½" x #9 wood screws, 6" o.c.	One or more layers, any combination	Prelim. attached	TremPly TPO	Versa-Fast Fasteners and Plates: Three (3) Versa-Fast Fasteners of sufficient length for full penetration through plywood, installed in a triangular configuration in the Versa-Fast Plate, with the short size of the triagle adjacent to, and parallel with, the heat-welded seam.	6-inch o.c. within 5-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5

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TABLE 1F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Attach	Base Ply	Cap Ply	
W-35.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-52.5
W-36.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-60.0
W-37.	Min. 15/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	BURmastic Composite Ply HT, BURmastic Composite Ply Green	Note 2 (#14 ONLY)	8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) One or two plies THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green in hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-97.5

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
TREMPLY TPO:								
S-1.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	Note 2	1 per 2.0 ft^2	Additional layers of base insulation	hot asphalt or THERMastic 80	TremPly TPO / TremPly BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-2.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	Additional layers of base insulation	hot asphalt or THERMastic 80	TremPly TPO / TremPly BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-3.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-4.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-5.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-6.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-7.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-8.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-9.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-10.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-11.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
S-12.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-52.5
S-13.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-60.0
S-14.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-60.0
S-15.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	One or more layers of Base Insulation or min. 0.5-inch thick Dens Deck	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-16.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck	Note 2	1 per 2.0 ft^2	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-17.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-18.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-19.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-20.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-45.0*

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-21.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-22.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-23.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-24.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-45.0*
S-25.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
S-26.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-52.5
S-27.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.6 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-60.0
S-28.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.6 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-60.0
S-29.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3, TremPly WB BA	-60.0

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-30.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-60.0
TREMPLY TPO FB / HOT ASPHALT OR THERMASTIC 80:								
S-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft^2	Min. 0.5-inch Dens Deck	hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
S-32.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-67.5
S-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft^2	Min. 0.5-inch Dens Deck	FAS-N-FREE, 6-inch o.c.	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
S-34.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	FAS-N-FREE, 6-inch o.c.	TremPly TPO FB in hot asphalt or THERMastic 80	-67.5
S-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft^2	Min. 0.5-inch Dens Deck	T-LRFIA or T-LRFIA (BG)	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
S-36.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA or T-LRFIA (BG), 6-inch o.c.	TremPly TPO FB in hot asphalt or THERMastic 80	-67.5
TREMPLY TPO FB / TREMPLY WB BONDING ADHESIVE:								
S-37.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-45.0*
S-38.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-45.0*
S-39.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-45.0*

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-40.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-45.0*
S-41.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-60.0
S-42.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	ICP CR-20	TremPly TPO FB / TremPly WB BA	-45.0*
S-43.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Additional optional layers, min. 0.5-inch base insulation	ICP CR-20	TremPly TPO FB / TremPly WB BA	-45.0*
S-44.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly WB BA	-60.0
TREMPLY TPO FB / TREMCO LR ADHESIVE:								
S-45.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0*
S-46.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0*
S-47.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-48.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-49.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-60.0
S-50.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-51.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-52.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 4-inch o.c.	-60.0
TREMPLY TPO FB / ICP ADHESIVES CR-20:								
S-53.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-54.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-55.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
S-56.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-60.0
S-57.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-58.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-59.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
S-60.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-60.0
TREMPLY TPO FB / TREMPLY SECURE ADHESIVE:								

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TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
S-61.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-62.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-63.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly Secure Adhesive	-52.5
S-64.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly Secure Adhesive	-60.0
S-65.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-66.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.9 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-67.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, H-Shield	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-52.5
S-68.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-60.0

‡ NOTE: As-Tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6' spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for Tek/5 screws or Traxx/5 screws in the Table 2A-1 assemblies to a maximum design pressure of -82.5 psf. Note 1.

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TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck ‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-69.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft^2	Optional layers of base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-70.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	Note 2	1 per 4.0 ft^2	Optional layers of base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-71.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft^2	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-72.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch Trisotech G, ACFoam II	Note 2	1 per 5.3 ft^2	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft^2	Min. 0.5-inch Dens Deck	hot asphalt or THERMastic 80	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-74.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-67.5
S-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft^2	Min. 0.5-inch Dens Deck	FAS-N-FREE, 6-inch o.c.	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
S-76.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	FAS-N-FREE, 6-inch o.c.	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-67.5

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TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck ‡ (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 2.0 ft²	Min. 0.5-inch Dens Deck	T-LRFIA or T-LRFIA (BG)	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-45.0*
S-78.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, Trisotech G	See Note 2 (#14 only)	1 per 1.0 ft²	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA or T-LRFIA (BG), 6-inch o.c.	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-67.5
S-79.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	Note 2	1 per 2.0 ft²	Optional layers of base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-80.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	Note 2	1 per 4.0 ft²	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-81.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Multi-Max FA3, Trisotech, Trisotech G	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-60.0

‡ NOTE: As-Tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6' spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for Tek/5 screws or Traxx/5 screws in the Table 2A-1 assemblies to a maximum design pressure of -82.5 psf. Note 1.

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TABLE 2C: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof		Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
S-82.	Min. 22 ga., Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch Dens Deck	Note 2	1 per 4.0 ft^2	Two plies THERMglas Type IV	hot asphalt or THERMastic 80	Min. 1.5-inch ACFoam II, Trisotech G	hot asphalt or THERMastic 80	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*

TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
TREMPLY TPO / TREMPLY BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3:							
S-83.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate or OMG 3 in. Ribbed Galvalume Plate only)*	1 per 2.13 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-84.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-85.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck or Dens Deck Prime	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-86.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch Dens Deck or Dens Deck Prime	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-87.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-88.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-89.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-90.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-91.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-92.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-93.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-94.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-95.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.9 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-96.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch ACFoam II, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0*
S-97.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.5 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-52.5
S-98.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-52.5
S-99.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, 5/8" puddle weld 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-60.0
S-100.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, 5/8" puddle weld 6" o.c.	(Optional) One or more layers, any combination	Min. 2-inch H-Shield	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-67.5
S-101.	Min. 20 ga., Type B, Grade 33 steel; 7' spans, 5/8" puddle weld 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch H-Shield	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.6 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-67.5
S-102.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-67.5

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-103.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-67.5
S-104.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft^2	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-97.5
S-105.	Min. 22 ga., Type B, Grade 80 steel; 6' spans, two (2) Tek/5 screw 6" o.c. or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.0 ft^2	TremPly TPO / TremPly BA	-127.5
TREMPLY TPO / TREMPLY WB BONDING ADHESIVE:							
S-106.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-107.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-108.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 4.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-109.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch Dens Deck Prime	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-110.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-111.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-112.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-113.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-114.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-115.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.9 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-116.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly WB BA	-45.0*
S-117.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.5 ft^2	TremPly TPO / TremPly WB BA	-52.5
S-118.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly WB BA	-52.5
S-119.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO / TremPly WB BA	-67.5
S-120.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 1.0 ft^2	TremPly TPO / TremPly WB BA	-67.5
S-121.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.6 ft^2	TremPly TPO / TremPly WB BA	-75.0
S-122.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.0 ft^2	TremPly TPO / TremPly WB BA	-82.5
S-123.	Min. 22 ga., Type B, Grade 80 steel; 6' spans, two (2) Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.0 ft^2	TremPly TPO / TremPly WB BA	-127.5
TREMPLY TPO / TREMPLY TPO LV BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3:							
S-124.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate or OMG 3 in. Ribbed Galvalume Plate only)*	1 per 2.13 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-125.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-126.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-127.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch Dens Deck Prime	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-128.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-129.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-130.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.5 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
S-131.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-132.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-133.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-134.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-135.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.9 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*
S-136.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch ACFoam II, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-137.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
S-138.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, 5/8" puddle weld 6" o.c.	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-60.0
S-139.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, 5/8" puddle weld 6" o.c.	(Optional) One or more layers, any combination	Min. 2-inch H-Shield	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-67.5
S-140.	Min. 20 ga., Type B, Grade 33 steel; 7' spans, 5/8" puddle weld 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Tremco #1211 Fasteners (steel only) or Tremco #1410 Fasteners with Tremco Disc Ribbed 3 in. Steel Stress Plates or OMG #12 Standard (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plates	1 per 1.6 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-67.5
S-141.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-67.5
S-142.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft^2	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-67.5
S-143.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.6 ft^2	TremPly TPO / TremPly TPO BA LV3	-75.0
S-144.	Min. 22 ga., Type B, Grade 80 steel; 6' spans, two (2) Traxx/5 screws 6" o.c or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.0 ft^2	TremPly TPO / TremPly TPO BA LV3	-127.5
TREMPLY TPO / TREMPLY SECURE ADHESIVE:							
S-145.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-146.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-147.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch Dens Deck Prime	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 4.0 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-148.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch Dens Deck Prime	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-149.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-150.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-151.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO / TremPly Secure Adhesive	-45.0*
S-152.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.5 ft^2	TremPly TPO / TremPly Secure Adhesive	-52.5
S-153.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO / TremPly Secure Adhesive	-52.5
S-154.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO / TremPly Secure Adhesive	-67.5
TREMPLY TPO FB / HOT ASPHALT OR THERMASTIC 80:							
S-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	See Note 2	1 per 2.0 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-156.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-157.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c or min. 2,500 psi structural concrete	Min. 2-inch Trisotech G or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	See Note 2 (#14 only)	1 per 1.0 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-90.0
TREMPLY TPO FB / TREMPLY WB BONDING ADHESIVE:							

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-158.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	TremPly TPO FB / TremPly WB BA	-45.0*
S-159.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.9 ft^2	TremPly TPO FB / TremPly WB BA	-45.0*
S-160.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO FB / TremPly WB BA	-45.0*
S-161.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO FB / TremPly WB BA	-45.0*
S-162.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO FB / TremPly WB BA	-52.5
S-163.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO FB / TremPly WB BA	-67.5
TREMPLY TPO FB / TREMCO LR ADHESIVE:							
S-164.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.0 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0*
S-165.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	Note 2	1 per 2.9 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0*
S-166.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch H-Shield	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate or OMG 3 in. Ribbed Galvalume Plate only)*	1 per 1.8 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-52.5

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-167.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-52.5
S-168.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
S-169.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 12-inch o.c.	-67.5
S-170.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch Trisotech, ENRGY 3, H-Shield	Note 2	1 per 2.0 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-171.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch Trisotech, ENRGY 3, H-Shield	Note 2	1 per 2.9 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-172.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, Trisotech G	Note 2	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-60.0
S-173.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-174.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-175.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-45.0*
S-176.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c.	-67.5
TREMPLY TPO FB / ICP ADHESIVES CR-20:							

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-177.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.0 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-178.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 2.9 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-179.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	Note 2	1 per 1.3 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-60.0
S-180.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-181.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-182.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-45.0*
S-183.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-52.5
S-184.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO FB / ICP CR-20 (spatter)	-67.5
TREMPLY TPO FB / TREMPLY SECURE ADHESIVE:							
S-185.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 2.0 ft^2	TremPly TPO FB / TremPly Secure Adhesive	-45.0*

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck‡ (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-186.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft^2	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-187.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	TremPly TPO FB / TremPly Secure Adhesive	-45.0*
S-188.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	TremPly TPO FB / TremPly Secure Adhesive	-52.5
S-189.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 or Tek/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TremPly TPO FB / TremPly Secure Adhesive	-67.5

‡NOTE: As-tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6' spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for Tek/5 screws or Traxx/5 screws in the Table 2B-1A assemblies to a maximum design pressure of -82.5 psf. Note 1.

TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
S-190.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 4.0 ft^2	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-191.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 3.2 ft^2	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
S-192.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.6 ft^2	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-52.5

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TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
S-193.	Min. 22 ga., type B, Grade 40 steel; 6' span, 5/8-inch puddle welds 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Tremco Disc Ribbed 3 in. Steel Stress Plate, OMG 3 in. Ribbed Galvalume Plate, Tremco 3" Metal Insulation Plate or Trufast 3" Metal Insulation Plate only)*	1 per 1.3 ft^2	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-60.0
S-194.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c or min. 2,500 psi structural concrete	Min. 2-inch Trisotech G or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	See Note 2 (#14 only)	1 per 1.0 ft^2	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-90.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover	MDP (psf)
			Fasteners (Note 11)	Density		
S-195.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6 ft^2 per fastener 2x3-ft grid	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-45.0
S-196.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6 ft^2 per fastener 2x3-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-45.0
S-197.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6 ft^2 per fastener 2x3-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-45.0
S-198.	Min. 20 ga., type N, Grade 40 steel; 10 ft span; Tek/5 screws, 8" o.c.	One or more layers, any combination, min. 2-inch, preliminarily attach	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	8-inch o.c. in rows 6 ft o.c.	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-52.5
S-199.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	4 ft^2 per fastener 2x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-60.0
S-200.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	4 ft^2 per fastener 2x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-60.0
S-201.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	4 ft^2 per fastener 2x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-60.0
S-202.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	3 ft^2 per fastener 1.5x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-82.5

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover	MDP (psf)
			Fasteners (Note 11)	Density		
S-203.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	3 ft^2 per fastener 1.5x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-82.5
S-204.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	3 ft^2 per fastener 1.5x2-ft grid, staggered	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-82.5
S-205.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; Tek/5 screws with ¾" washers, 6" o.c.	One or more layers, any combination, min. 2-inch, preliminarily attach	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6-inch o.c. in rows 6 ft o.c.	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-82.5
S-206.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6-inch o.c. in rows 5 ft o.c.	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-90.0
S-207.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6-inch o.c. in rows 5 ft o.c.	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-90.0
S-208.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS *isoweld®* F1-P-6.8-TPO Plates	6-inch o.c. in rows 5 ft o.c.	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-90.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER							
System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
S-209.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; Teks/5 screws, 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, min. 2-inch	Prelim. attach	TremPly TPO	Trufast #15 EHD or Tremco #15 EHD (steel only) or Trufast Fluted Concrete Nail or Tremco Fluted Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plates or Tremco 2.4" Barbed Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
TREMPLY TPO / TREMPLY BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3							
C-1.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	(Optional) Min. 0.25-inch Dens Deck Prime or min. 7/16-inch OSB	hot asphalt or THERMastic 80	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0
C-2.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-82.5
C-3.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-97.5
C-4.	Min. 2,500 psi structural concrete	Min. 1-inch H-Shield	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-162.5
C-5.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-232.5
C-6.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-292.5
C-7.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-82.5
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-130.0
C-9.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layers of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-232.5
C-10.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-232.5
C-11.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch thick, min. 2.0 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-240.0
C-12.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-247.5
TREMPLY TPO / TREMPLY WB BONDING ADHESIVE							
C-13.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	(Optional) Additional layer of base insulation	hot asphalt or THERMastic 80	TremPly TPO / TremPly WB BA	-135.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-14.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-97.5
C-15.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	None	N/A	TremPly TPO / TremPly WB BA	-112.5
C-16.	Min. 2,500 psi structural concrete	Min. 1-inch H-Shield	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-162.5
C-17.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-232.5
C-18.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-292.5
C-19.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2.0 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly WB BA	-130.0
C-20.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly WB BA	-232.5
C-21.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-270.0
TREMPLY TPO / TREMPLY TPO LV BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3							
C-22.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	(Optional) Min. 0.25-inch Dens Deck Prime	hot asphalt or THERMastic 80	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
C-23.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-82.5
C-24.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-97.5
C-25.	Min. 2,500 psi structural concrete	Min. 1-inch H-Shield	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-162.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-26.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-232.5
C-27.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-240.0
C-28.	Min. 2,500 psi structural concrete	Min. 0.5-inch H-Shield	T-LRFIA (BG)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-360.0
C-29.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
C-30.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-82.5
C-31.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-232.5
C-32.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-270.0
TREMPLY TPO / TREMPLY SECURE ADHESIVE:							
C-33.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	None	N/A	TremPly TPO / TremPly Secure Adhesive	-112.5
C-34.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-195.0
C-35.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2.0 pcf Insulfoam	ICP CR-20	Min. 0.25-inch Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-130.0
TREMPLY TPO FB / HOT ASPHALT OR THERMASTIC 80:							
C-36.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch ACFoam II, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	Min. 0.25-inch Dens Deck	hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0
C-37.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	hot asphalt or THERMastic 80	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-38.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch Trisotech G, ACFoam II	hot asphalt or THERMastic 80	Min. 0.5-inch Dens Deck	hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-39.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch Trisotech G, ACFoam II	hot asphalt or THERMastic 80	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-277.5
C-40.	Min. 2,500 psi structural concrete (TREMprime WB primed)	Min. 1.5-inch Trisotech G, ACFoam II	FAS-N-FREE, 6-inch o.c.	Min. 0.5-inch Dens Deck	FAS-N-FREE, 6-inch o.c.	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-41.	Min. 2,500 psi structural concrete (TREMprime WB primed)	Min. 1.5-inch Trisotech G, ACFoam II	FAS-N-FREE, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	FAS-N-FREE, 6-inch o.c.	TremPly TPO FB / hot asphalt or THERMastic 80	-277.5
C-42.	Min. 2,500 psi structural concrete	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or T-LRFIA (BG)	Min. 0.5-inch Dens Deck	T-LRFIA or T-LRFIA (BG)	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-43.	Min. 2,500 psi structural concrete	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or T-LRFIA (BG)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA or T-LRFIA (BG)	TremPly TPO FB / hot asphalt or THERMastic 80	-180.0
TREMPLY TPO FB / TREMPLY WB BONDING ADHESIVE:							
C-44.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-97.5
C-45.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-232.5
C-46.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers of base insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-292.5
C-47.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly WB BA	-232.5
TREMPLY TPO FB / TREMCO LR ADHESIVE:							
C-48.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	T-LRFIA (BG)	(Optional) Additional layers base insulation	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
C-49.	Min. 2,500 psi structural concrete	Min. 1-inch Trisotech G, ACFoam II, H-Shield. Trisotech, ENRGY 3	T-LRFIA (BG)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-50.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Additional optional layers base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
C-51.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers base insulation	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
C-52.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, Trisotech, ENRGY 3, Multi-Max FA3	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-67.5
C-53.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax, ENRGY 3, H-Shield, Trisotech	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-180.0
C-54.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	None	N/A	TremPly TPO FB / T-LRA, 4-inch o.c.	-195.0
C-55.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layers base insulation	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-210.0
C-56.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
C-57.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
C-58.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 4-inch o.c.	-180.0
C-59.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	None	N/A	TremPly TPO FB / T-LRA, 4-inch o.c.	-195.0
TREMPLY TPO FB / ICP ADHESIVES CR-20:							
C-60.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
C-61.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
C-62.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	None	N/A	TremPly TPO FB / ICP CR-20 (spatter)	-195.0
C-63.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Additional layers base insulation	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-180.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-64.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
C-65.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	None	N/A	TremPly TPO FB / ICP CR-20 (spatter)	-195.0
TREMPLY TPO FB / TREMPLY SECURE ADHESIVE:							
C-66.	Min. 2,500 psi structural concrete	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, Trisotech, Trisotech G, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly Secure Adhesive	-180.0
C-67.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	None	N/A	TremPly TPO FB / TremPly Secure Adhesive	-195.0
C-68.	Min. 2,500 psi structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-180.0
C-69.	Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	None	N/A	TremPly TPO FB / TremPly Secure Adhesive	-195.0

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-70.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch Trisotech G, ACFoam II	hot asphalt or THERMastic 80	Min. 0.5-inch Dens Deck	hot asphalt or THERMastic 80	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-71.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch Trisotech G, ACFoam II	hot asphalt or THERMastic 80	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	Two (2) plies THERMglas IV, THERMglas Premium VI / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-225.0

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TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-72.	Min. 2,500 psi structural concrete (ASTM D41 primed)	Min. 1.5-inch Trisotech G, ACFoam II	hot asphalt or THERMastic 80	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or THERMastic 80	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-277.5
C-73.	Min. 2,500 psi structural concrete (TREMprime WB primed)	Min. 1.5-inch Trisotech G, ACFoam II	FAS-N-FREE, 6-inch o.c.	Min. 0.5-inch Dens Deck	FAS-N-FREE, 6-inch o.c.	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-74.	Min. 2,500 psi structural concrete (TREMprime WB primed)	Min. 1.5-inch Trisotech G, ACFoam II	FAS-N-FREE, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	FAS-N-FREE, 6-inch o.c.	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-277.5
C-75.	Min. 2,500 psi structural concrete	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or T-LRFIA (BG)	Min. 0.5-inch Dens Deck	T-LRFIA or T-LRFIA (BG)	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
C-76.	Min. 2,500 psi structural concrete	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or T-LRFIA (BG)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA or T-LRFIA (BG)	BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium or BURmastic Supreme Composite Ply followed by optional 1 or 2 plies THERMglas Type IV, THERMglas Premium VI, Polytherm Felt / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-180.0
C-77.	Min. 2,500 psi structural concrete	EnergyGuard Polyiso Insulation, H-Shield, Multi-Max FA3, Trisotech, ENRGY 3	T-LRFIA (BG) or ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG) or ICP CR-20	One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB / hot asphalt or THERMastic 80	-180.0

TABLE 3C: STRUCTURAL CONCRETE 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)*
C-78.	Min. 2,500 psi structural concrete	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
C-79.	Min. 2,500 psi structural concrete	TremPly TPO FB / TremPly WB BA	-300.0
C-80.	Min. 3,000 psi structural concrete primed with ASTM D41 primer.	TremPly TPO FB / hot asphalt or THERMastic 80	-390.0
C-81.	Min. 2,500 psi structural concrete	TremPly TPO FB / ICP CR-20 (spatter)	-497.5
C-82.	Min. 2,500 psi structural concrete	TremPly TPO FB / TremPly Secure Adhesive	-497.5

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TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	LWIC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
TREMPLY TPO / TREMPLY BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3:								
LWC-1.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete, Elastizell or Mearlcrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-130.0
LWC-2.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-180.0
LWC-3.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-222.5
LWC-4.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-222.5
LWC-5.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-240.0
TREMPLY TPO / TREMPLY WB BONDING ADHESIVE:								
LWC-6.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete, Elastizell or Mearlcrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly WB BA	-130.0
LWC-7.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-180.0
LWC-8.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-222.5
LWC-9.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-240.0
TREMPLY TPO / TREMPLY TPO LV BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3								
LWC-10.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete, Elastizell or Mearlcrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G, min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0

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TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	LWIC (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-11.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-180.0
LWC-12.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-222.5
LWC-13.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-240.0
TREMPLY TPO / TREMPLY SECURE ADHESIVE:								
LWC-14.	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete, Elastizell or Mearlcrete	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2.0 pcf Insulfoam	ICP CR-20	Min. 0.25-inch Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-130.0

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	LWIC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base Ply	Cap Ply	
LWC-15.	Min. 22 ga., type BV, 40 ksi; 6 ft spans; 5/8" puddle welds or Traxx/5 screws 6" o.c.	Pre-existent Min. 340 psi, min. 2-inch thick cellular lightweight concrete. ***Note:*** *To qualify the LWIC under this assembly, the selected fastener shall achieve an average withdrawal of* ***60 lbf or greater*** *when tested per TAS105 or ANSI/SPRI FX-1*	BURmastic Glass Ply, BURmastic Composite Ply HT	Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.), Trufast Twin Loc-Nail Assembled Fastener or Tremco Twin Loc-Nail Assembled Fastener (1.8) or Trufast FM-290 Base Sheet Fastener	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies, THERMglas Type IV, THERMglas Premium VI, BURmastic Glass Ply, BURmastic Glass Ply – 28 lb, BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, BURmastic Composite Ply HT Green, BURmastic Composite Ply Premium Green / hot asphalt or THERMastic 80	TremPly TPO FB in hot asphalt or THERMastic 80	-52.5

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TABLE 4C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER							
System No.	Deck (Note 1)	LWIC (Note 14)			Roof Cover (Note 15)		MDP (psf)*
		Type	Min. Compress (psi)	Min. Thick (in)	Type	Attach	
TREMPLY TPO FB IN TREMPLY SECURE ADHESIVE:							
LWC-16.	Min. 22 ga, type B, Grade 33 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO	TremPly Secure Adhesive	-67.5
LWC-17.	Min. 22 ga, type B, Grade 40 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO	TremPly Secure Adhesive	-75.0
LWC-18.	Min. 2,500 psi structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	300	2	TremPly TPO	TremPly Secure Adhesive	-262.5
TREMPLY TPO FB IN TREMPLY WB BONDING ADHESIVE:							
LWC-19.	Min. 22 ga., type BV, Grade 33 steel; 6' spans, 5/8" puddle welds 6" o.c.	Mearlcrete	300	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-52.5
LWC-20.	Min. 22 ga., type BV, Grade 33 steel; 6' spans, 5/8-inch puddle welds, 6" o.c.	Pre-existent cellular lightweight insulating concrete; ***Note:*** *To qualify the LWIC under this assembly, an OMG CR Base Sheet Fastener (1.7 in.) or Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of* ***97 lbf or greater*** *when tested per ANSI/SPRI FX-1 or TAS105.*	180	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-52.5
LWC-21.	Min. 2,500 psi structural concrete	Pre-existent cellular lightweight insulating concrete; ***Note:*** *To qualify the LWIC under this assembly, an OMG CR Base Sheet Fastener (1.7 in.) or Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of* ***97 lbf or greater*** *when tested per ANSI/SPRI FX-1 or TAS105.*	180	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-102.5
LWC-22.	Min. 2,500 psi structural concrete	Elastizell	220	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-200.0
LWC-23.	Min. 2,500 psi structural concrete	Mearlcrete	290	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-205.0
LWC-24.	Min. 2,500 psi structural concrete	Concrecel	200	2	TremPly TPO FB	TremPly WB Bonding Adhesive	-225.0
TREMPLY TPO FB IN TREMCO LR ADHESIVE:							
LWC-25.	Min. 2,500 psi structural concrete	Mearlcrete	730	2	TremPly TPO FB	T-LRA, 6-inch o.c.	-45.0
LWC-26.	Min. 22 ga., type BV, Grade 33 steel; 6' spans, 5/8" puddle welds 6" o.c.	Mearlcrete	300	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-52.5
LWC-27.	Min. 22 ga, type B, Grade 33 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO FB	T-LRA, 12-inch o.c.	-67.5

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TABLE 4C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER							
System No.	Deck (Note 1)	LWIC (Note 14)			Roof Cover (Note 15)		MDP (psf)*
		Type	Min. Compress (psi)	Min. Thick (in)	Type	Attach	
LWC-28.	Min. 22 ga, type B, Grade 40 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO FB	T-LRA, 12-inch o.c.	-75.0
LWC-29.	Min. 22 ga, type B, Grade 40 vented steel; 6 ft spans, Tek/5 screws, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	Base Ply: BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply Cap Ply: TremPly TPO FB	Base Ply: T-LRA, 9-inch o.c. Cap Ply: T-LRA, 12-inch o.c.	-90.0
LWC-30.	Min. 22 ga, type B, Grade 40 vented steel; 6 ft spans, Tek/5 screws, 6" o.c. or structural concrete	Celcore Cellular Concrete, surfaced with Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	370	2	TremPly TPO FB	T-LRA, 9-inch o.c.	-90.0
LWC-31.	Min. 2,500 psi structural concrete	Pre-existent cellular lightweight insulating concrete; ***Note:*** *To qualify the LWIC under this assembly, an OMG CR Base Sheet Fastener (1.7 in.) or Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of* ***97 lbf or greater*** *when tested per ANSI/SPRI FX-1 or TAS105.*	180	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-92.5
LWC-32.	Min. 2,500 psi structural concrete	Elastizell	200	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-210.0
LWC-33.	Min. 2,500 psi structural concrete	Concrecel	200	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-225.0
LWC-34.	Min. 2,500 psi structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	275	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-262.5
LWC-35.	Min. 2,500 psi structural concrete	Mearlcrete or Insulcel	200	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-270.0
LWC-36.	Min. 2,500 psi structural concrete	Celcore Cellular Concrete	200	2	TremPly TPO FB	T-LRA, 4-inch o.c.	-300.0
TREMPLY TPO FB IN ICP ADHESIVES CR-20:							
LWC-37.	Min. 22 ga., type BV, Grade 33 steel; 6' spans, 5/8" puddle welds 6" o.c.	Mearlcrete	300	2	TremPly TPO FB	ICP CR-20 (spatter)	-52.5
LWC-38.	Min. 22 ga., type BV, Grade 33 steel; 6' spans, 5/8-inch puddle welds, 6" o.c.	Pre-existent cellular lightweight insulating concrete; ***Note:*** *To qualify the LWIC under this assembly, an OMG CR Base Sheet Fastener (1.7 in.) or Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of* ***97 lbf or greater*** *when tested per ANSI/SPRI FX-1 or TAS105.*	180	2	TremPly TPO FB	ICP CR-20 (spatter)	-52.5
LWC-39.	Min. 22 ga., type BV, Grade 33 steel at max. 6' spans; Traxx/5 screws, 6" o.c.	Mearlcrete	290	2	TremPly TPO FB	ICP CR-20 (spatter)	-52.5
LWC-40.	Min. 22 ga., type BV, Grade 33 steel at max. 6' spans; Traxx/5 screws, 6" o.c.	Elastizell	290	2	TremPly TPO FB	ICP CR-20 (spatter)	-52.5

TABLE 4C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER							
System No.	Deck (Note 1)	LWIC (Note 14)			Roof Cover (Note 15)		MDP (psf)*
		Type	Min. Compress (psi)	Min. Thick (in)	Type	Attach	
LWC-41.	Min. 22 ga., type BV, Grade 33 steel at max. 6' spans; Traxx/5 screws, 6" o.c.	Concrecel	290	2	TremPly TPO FB	ICP CR-20 (spatter)	-52.5
LWC-42.	Min. 22 ga., 33 ksi, type BV (0.5%) steel; 6' spans, 5/8" puddle welds 6" o.c.	Elastizell	160	3	TremPly TPO FB	ICP CR-20 (spatter)	-60.0
LWC-43.	Min. 2,500 psi structural concrete	Pre-existent cellular lightweight insulating concrete; ***Note:*** *To qualify the LWIC under this assembly, an OMG CR Base Sheet Fastener (1.7 in.) or Trufast FM-90 Base Sheet Fastener or Tremco FM-90 Base Sheet Fastener (1.7 in.) shall achieve an average withdrawal of* ***97 lbf or greater*** *when tested per ANSI/SPRI FX-1 or TAS105.*	180	2	TremPly TPO FB	ICP CR-20 (spatter)	-102.5
LWC-44.	Min. 2,500 psi structural concrete	Mearlcrete	290	2	TremPly TPO FB	ICP CR-20 (spatter)	-205.0
LWC-45.	Min. 2,500 psi structural concrete	Elastizell	220	2	TremPly TPO FB	ICP CR-20 (spatter)	-200.0
LWC-46.	Min. 2,500 psi structural concrete	Concrecel	200	2	TremPly TPO FB	ICP CR-20 (spatter)	-225.0
LWC-47.	Min. 2,500 psi structural concrete	Insulcel	200	2	TremPly TPO FB	ICP CR-20 (spatter)	-270.0
LWC-48.	Min. 2,500 psi structural concrete	Celcore Cellular Concrete	200	2	TremPly TPO FB	ICP CR-20 (spatter)	-300.0
TREMPLY TPO FB IN TREMPLY SECURE ADHESIVE:							
LWC-49.	Min. 22 ga, type B, Grade 33 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO FB	TremPly Secure Adhesive	-67.5
LWC-50.	Min. 22 ga, type B, Grade 40 vented steel; 6 ft spans, 5/8" puddle welds, 6" o.c. or structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	500	2	TremPly TPO FB	TremPly Secure Adhesive	-75.0
LWC-51.	Min. 2,500 psi structural concrete	Celcore Cellular Concrete, treated with Celcore PVA Curing Compound	300	2	TremPly TPO FB	TremPly Secure Adhesive	-262.5

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TABLE 4D: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: TEMP ROOF / VAPOR BARRIER TO DECK, LWC, BONDED ROOF COVER											
System No.	Deck (Note 1)	Primer	Temp Roof / Vapor Barrier		LWC (Note 14)	Prime / Treat	Base Ply(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach			Type	Attach	Type	Attach	
TREMPLY TPO IN TREMPLY SECURE ADHESIVE:											
LWC-52.	Min. 2,500 psi structural concrete	ASTM D41	POWERply SBS Base HW	Heat welded	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO	TremPly Secure Adhesive	-157.5
LWC-53.	Min. 2,500 psi structural concrete	TREMprime WB primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	BURmastic Adhesive SF at 2 gal/sq.	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO	TremPly Secure Adhesive	-240.0
LWC-54.	Min. 2,500 psi structural concrete	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Plus HT Smooth, POWERply HE Smooth	POWERply Endure BIO Adhesive at 2 gal/sq.	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO	TremPly Secure Adhesive	-240.0
TREMPLY TPO FB IN TREMCO LR ADHESIVE:											
LWC-55.	Min. 2,500 psi structural concrete	ASTM D41	POWERply SBS Base HW	Heat welded	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 12-inch o.c.	-75.0
LWC-56.	Min. 2,500 psi structural concrete	TREMprime WB primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	BURmastic Adhesive SF at 2 gal/sq.	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 12-inch o.c.	-75.0
LWC-57.	Min. 2,500 psi structural concrete	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Plus HT Smooth, POWERply HE Smooth	POWERply Endure BIO Adhesive at 2 gal/sq.	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 12-inch o.c.	-75.0
LWC-58.	Min. 2,500 psi structural concrete	ASTM D41	POWERply SBS Base HW	Heat welded	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	T-LRA, 9-inch o.c.	TremPly TPO FB	T-LRA, 12-inch o.c.	-90.0
LWC-59.	Min. 2,500 psi structural concrete	TREMprime WB primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	BURmastic Adhesive SF at 2 gal/square	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	T-LRA, 9-inch o.c.	TremPly TPO FB	T-LRA, 12-inch o.c.	-90.0

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TABLE 4D: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: TEMP ROOF / VAPOR BARRIER TO DECK, LWC, BONDED ROOF COVER											
System No.	Deck (Note 1)	Primer	Temp Roof / Vapor Barrier		LWC (Note 14)	Prime / Treat	Base Ply(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach			Type	Attach	Type	Attach	
LWC-60.	Min. 2,500 psi structural concrete	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Plus HT Smooth, POWERply HE Smooth	POWERply Endure BIO Adhesive at 2 gal/sq.	Min. 500 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	T-LRA, 9-inch o.c.	TremPly TPO FB	T-LRA, 12-inch o.c.	-90.0
LWC-61.	Min. 2,500 psi structural concrete	ASTM D41	POWERply SBS Base HW	Heat welded	Min. 345 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 4-inch o.c. (full coverage)	-157.5
LWC-62.	Min. 2,500 psi structural concrete	TREMprime WB primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	BURmastic Adhesive SF at 2 gal/square	Min. 275 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 4-inch o.c. (full coverage)	-242.5
LWC-63.	Min. 2,500 psi structural concrete	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Plus HT Smooth, POWERply HE Smooth	POWERply Endure BIO Adhesive at 2 gal/sq.	Min. 275 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	T-LRA, 4-inch o.c. (full coverage)	-242.5
TREMPLY TPO FB IN TREMPLY SECURE ADHESIVE:											
LWC-64.	Min. 2,500 psi structural concrete	ASTM D41	POWERply SBS Base HW	Heat welded	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	TremPly Secure Adhesive	-157.5
LWC-65.	Min. 2,500 psi structural concrete	TREMprime WB primer	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply	BURmastic Adhesive SF at 2 gal/sq.	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	TremPly Secure Adhesive	-240.0
LWC-66.	Min. 2,500 psi structural concrete	None	BURmastic Composite Ply HT, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, POWERply Premium Smooth, POWERply Standard Smooth, POWERply Plus HT Smooth, POWERply HE Smooth	POWERply Endure BIO Adhesive at 2 gal/sq.	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Celcore PVA Curing Compound	None	N/A	TremPly TPO FB	TremPly Secure Adhesive	-240.0

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TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (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)		
CWF-1.	Min. 2-inch Tectum Plank or Tectum LS Plank	Min. 1-inch EnergyGuard Polyiso Insulation, H-Shield	T-LRFIA (BG)	(Optional) Additional layers base insulation, flat or tapered	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
CWF-2.	Min. 2-inch Tectum Plank or Tectum LS Plank	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, H-Shield	T-LRFIA (BG)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
CWF-3.	Min. 2-inch Tectum I Plank at max 4 ft spans; Trufast PF-3750 #12 Purlin Fasteners with Trufast MP-2000 2" Metal Seam Plates; 3 parts per bearing.	One or more layers, min. 1-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, ISO 95+ GL, Multi-Max FA-3	T-LRFIA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA	TremPly TPO FB / ICP CR-20 (spatter)	-82.5
CWF-4.	Min. 2-inch Tectum I Plank at max 4 ft spans; Trufast PF-3750 #12 Purlin Fasteners with Trufast MP-2000 2" Metal Seam Plates; 3 parts per bearing.	One or more layers, min. 1-inch ACFoam II, EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	T-LRFIA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA	TremPly TPO FB / TremPly Secure Adhesive	-82.5
CWF-5.	Existing (re-roof) Min. 2-inch Tectum Plank at max. 2 ft o.c. with 2" diameter steel plates and #15 fasteners spaced 3 parts per joist.	Min. 1.5-inch EnergyGuard Polyiso Insulation, ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	(Optional) Additional layers base insulation, flat or tapered	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3, TremPly WB BA	-52.5

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TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
CWF-6.	Existing (re-roof) Min. 2-inch Tectum	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	Tremco TL Fastener with Tremco 3" TL Insulation Plate or Trufast TL Fastener with Trufast TL 3" Insulation Plate, min. 2-inch embedment	1 per 2.0 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
CWF-7.	Existing (re-roof) Min. 2-inch Tectum	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	Tremco Twin Loc-Nail Assembled Fastener or Trufast Twin Loc-Nail Assembled Fastener, min. 1-inch embedment	1 per 1.3 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
CWF-8.	Min. 3-inch Tectum I Plank at max 4 ft spans, bonded to structural members and between tongue-and-groove joints using single-component polyurethane adhesive, and attached with two (2) Drill-Tec Purlin Screws and Tectum 2" washers per plank-width, approximately 5-inch from plank edges.	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, H-Shield	Tremco Twin Loc-Nail Assembled Fastener or Trufast Twin Loc-Nail Assembled Fastener (min. 1.8-inch embedment)	1 per 1.3 ft^2	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
CWF-9.	Min. 3-inch Tectum I Plank at max 4 ft spans, bonded to structural members and between tongue-and-groove joints using single-component polyurethane adhesive, and attached with two (2) Drill-Tec Purlin Screws and Tectum 2" washers per plank-width, approximately 5-inch from plank edges.	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, H-Shield	Tremco Twin Loc-Nail Assembled Fastener or Trufast Twin Loc-Nail Assembled Fastener (min. 1.8-inch embedment)	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c. or ICP CR-20 (spatter)	-52.5

TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Deck (Note 1)	Primer / Treatment	Roof Cover (Note 15)	MDP (psf)
CWF-10.	Min. 2-inch Tectum I Plank at max 3 ft spans attached with OMG 2" Galvalume Plates and Drill-Tec Purlin Fasteners; 3 parts per bearing.	None	TremPly TPO FB / ICP CR-20 (spatter)	-127.5

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TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
TREMPLY TPO / TREMPLY BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3							
G-1.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-130.0
G-2.	Existing poured gypsum or gypsum plank	One or more layers, min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-240.0
G-3.	Existing poured gypsum or gypsum plank	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-247.5
G-4.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-257.5
TREMPLY TPO / TREMPLY WB BONDING ADHESIVE:							
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly WB BA	-130.0
G-6.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-257.5
TREMPLY TPO / TREMPLY TPO LV BONDING ADHESIVE OR TREMPLY TPO BONDING ADHESIVE LV3							
G-7.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
G-8.	Existing poured gypsum or gypsum plank	Min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-257.5
TREMPLY TPO / TREMPLY SECURE ADHESIVE:							
G-9.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-130.0
G-10.	Existing poured gypsum or gypsum plank	One or more layers, min. 1.5-inch thick, min. 2.0 pcf Insulfoam or min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-195.0
TREMPLY TPO FB / ICP ADHESIVES CR-20:							
G-11.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-257.5
TREMPLY TPO FB / TREMPLY SECURE ADHESIVE:							
G-12.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-130.0
G-13.	Existing poured gypsum or gypsum plank	One or more layers, min. 1.5-inch thick, min. 2.0 pcf Insulfoam or min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / TremPly Secure Adhesive	-195.0

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TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
G-14.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	Tremco TL Fastener with Tremco 3" TL Insulation Plate or Trufast TL Fastener with Trufast TL 3" Insulation Plate, (minimum withdrawal resistance at slated embedment ≥ 180 lbf)	1 per 2.0 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
G-15.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, ENRGY 3, ISO 95+ GL, Multi-Max FA3, Trisotech, Trisotech G	Min. 1-inch Structodek High Density Fiberboard Roof Insulation	Tremco Twin Loc-Nail Assembled Fasteners or Trufast Twin Loc-Nail Assembled Fasteners, (minimum withdrawal resistance at slated embedment ≥ 120 lbf)	1 per 1.3 ft^2	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0*
G-16.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, H-Shield	Trufast Twin Loc-Nail Assembled Fastener or Tremco Twin Loc-Nail Assembled Fastener (minimum withdrawal resistance at slated embedment ≥ 140 lbf)	1 per 1.3 ft^2	TremPly TPO / TremPly BA, TremPly TPO LV BA, TremPly TPO BA LV3	-52.5
G-17.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, H-Shield	Trufast Twin Loc-Nail Assembled Fastener or Tremco Twin Loc-Nail Assembled Fastener (minimum withdrawal resistance at slated embedment ≥ 140 lbf)	1 per 1.3 ft^2	TremPly TPO FB / T-LRA, 4-inch o.c. or ICP CR-20 (spatter)	-52.5

TABLE 6C: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Deck (Notes 1 & 12)	Primer / Treatment	Roof Cover (Note 15)	MDP (psf)*
G-18.	Existing poured gypsum or gypsum plank	None	TremPly TPO FB / TremPly WB BA	-90.0
G-19.	Existing poured gypsum or gypsum plank	None	TremPly TPO FB / ICP CR-20 (spatter)	-95.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
TREMPLY TPO / TREMPLY TPO #1121 OR TREMPLY TPO BONDING ADHESIVE LV3:							
R-1.	Existing asphalt BUR or mineral surface cap sheet	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	(Optional) Min. 0.25-inch Dens Deck Prime or min. 7/16-inch OSB	hot asphalt or THERMastic 80	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0
R-2.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0
R-3.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-110.0
R-4.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 6-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 6-inch o.c.	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-157.5
R-5.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 4-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 4-inch o.c.	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-200.0
R-6.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-75.0
R-7.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-82.5
R-8.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-75.0
R-9.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-225.0
R-10.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-45.0
R-11.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-110.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-12.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 6-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 6-inch o.c.	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-157.5
R-13.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 4-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 4-inch o.c.	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-200.0
R-14.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-180.0
R-15.	Existing smooth-surfaced modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-222.5
R-16.	Existing smooth-surface BUR over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-262.5
R-17.	Existing granule-surface modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-270.0
R-18.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Dens Deck or Dens Deck Prime	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-130.0
R-19.	Existing smooth-surfaced modified bitumen over structural concrete deck	(Optional) Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-222.5
R-20.	Existing smooth-surface BUR or granule-surface modified bitumen over structural concrete deck	One or more layers, min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-240.0
R-21.	Existing smooth-surface BUR or granule-surface modified bitumen over structural concrete deck	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	None	N/A	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-245.0
R-22.	Existing smooth-surface BUR or granule surface modified bitumen over structural concrete deck	Min. 2-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly BA, TremPly TPO BA LV3	-247.5
TREMPLY TPO / TREMPLY WB BONDING ADHESIVE:							
R-23.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO / TremPly WB BA	-45.0
R-24.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-110.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-25.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 6-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 6-inch o.c.	TremPly TPO / TremPly WB BA	-157.5
R-26.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 4-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 4-inch o.c.	TremPly TPO / TremPly WB BA	-200.0
R-27.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-75.0
R-28.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-75.0
R-29.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly WB BA	-225.0
R-30.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO / TremPly WB BA	-45.0
R-31.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-110.0
R-32.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 6-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 6-inch o.c.	TremPly TPO / TremPly WB BA	-157.5
R-33.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-180.0
R-34.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 4-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 4-inch o.c.	TremPly TPO / TremPly WB BA	-200.0
R-35.	Existing smooth-surfaced modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-222.5
R-36.	Existing smooth-surface BUR over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-245.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-37.	Existing granule-surface modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly WB BA	-270.0
R-38.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2 pcf Insulfoam EPS	ICP CR-20	Min. 0.25-inch Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly WB BA	-130.0
TREMPLY TPO / TREMPLY LOW VOC TPO OR TREMPLY TPO BONDING ADHESIVE LV3:							
R-39.	Existing asphalt BUR or mineral surface cap sheet	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	hot asphalt or THERMastic 80	(Optional) Min. 0.25-inch Dens Deck Prime	hot asphalt or THERMastic 80	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
R-40.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
R-41.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-110.0
R-42.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 6-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 6-inch o.c.	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-157.5
R-43.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 4-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 4-inch o.c.	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-200.0
R-44.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-75.0
R-45.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-82.5
R-46.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-75.0
R-47.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-225.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-48.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-45.0
R-49.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-110.0
R-50.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 6-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 6-inch o.c.	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-157.5
R-51.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-180.0
R-52.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 4-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 4-inch o.c.	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-200.0
R-53.	Existing smooth-surface modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-222.5
R-54.	Existing smooth-surface BUR or granule-surface modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-245.0
R-55.	Existing granule-surfaced modified bitumen over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO / TremPly TPO LV BA, TremPly TPO BA LV3	-270.0
TREMPLY TPO / TREMPLY SECURE ADHESIVE:							
R-56.	Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA	TremPly TPO / TremPly Secure Adhesive	-142.5
R-57.	Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-167.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-58.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-195.0
R-59.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G or Min. 1.5-inch thick, min. 2.0 pcf Insulfoam	ICP CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-130.0
TREMPLY TPO FB / HOT ASPHALT OR THERMASTIC 80:							
R-60.	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	hot asphalt or THERMastic 80	None	N/A	TremPly TPO FB / hot asphalt or THERMastic 80	-45.0
R-61.	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or LRFIA(BG)	Min. 0.5-inch Dens Deck	T-LRFIA or LRFIA(BG)	TremPly TPO FB / hot asphalt or THERMastic 80	-120.0
R-62.	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch Trisotech G, ACFoam II	T-LRFIA or LRFIA(BG)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA or LRFIA(BG)	TremPly TPO FB / hot asphalt or THERMastic 80	-157.5
TREMPLY TPO FB / TREMPLY WB BONDING ADHESIVE:							
R-63.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO FB / TremPly WB BA	-45.0
R-64.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO FB / TremPly WB BA	-75.0
R-65.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-110.0
R-66.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 6-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 6-inch o.c.	TremPly TPO FB / TremPly WB BA	-157.5
R-67.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 4-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 4-inch o.c.	TremPly TPO FB / TremPly WB BA	-200.0
R-68.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch H-Shield	T-LRFIA (BG)	Min. 0.5-inch H-Shield HD, EnergyGuard HD Polyiso Insulation, EnergyGuard HD Plus Polyiso Insulation	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-75.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-69.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / TremPly WB BA	-225.0
R-70.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO FB / TremPly WB BA	-45.0
R-71.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO FB / TremPly WB BA	-110.0
R-72.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 6-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 6-inch o.c.	TremPly TPO FB / TremPly WB BA	-157.5
R-73.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO FB / TremPly WB BA	-180.0
R-74.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 4-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 4-inch o.c.	TremPly TPO FB / TremPly WB BA	-200.0
TREMPLY TPO FB / TREMCO LR ADHESIVE:							
R-75.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
R-76.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch ACFoam II, ENRGY 3, H-Shield, Trisotech, Trisotech G	T-LRFIA (BG)	Min. 1.5-inch Trisotech G, ACFoam II, Trisotech, ENRGY 3	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
R-77.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
R-78.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
R-79.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-80.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / T-LRA, 4-inch o.c.	-180.0
R-81.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
R-82.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
R-83.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / T-LRA, 4-inch o.c.	-180.0
TREMPLY TPO FB / ICP ADHESIVES CR-20:							
R-84.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	T-LRFIA (BG)	None	N/A	TremPly TPO FB / ICP CR-20 (spatter)	-45.0
R-85.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG)	(Optional) Additional layer of base insulation	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-110.0
R-86.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 6-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 6-inch o.c.	TremPly TPO FB / ICP CR-20 (spatter)	-157.5
R-87.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	T-LRFIA (BG), 4-inch o.c.	(Optional) Additional layer of base insulation	T-LRFIA (BG), 4-inch o.c.	TremPly TPO FB / ICP CR-20 (spatter)	-200.0
R-88.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
R-89.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	ICP CR-20	None	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-45.0
R-90.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20	(Optional) Additional layer of base insulation	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-110.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-91.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 6-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 6-inch o.c.	TremPly TPO FB / ICP CR-20 (spatter)	-157.5
R-92.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	Min. 0.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	(Optional) Additional layers base insulation	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
R-93.	Existing smooth- or granule-surfaced BUR; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	Min. 1.5-inch EnergyGuard Polyiso Insulation	ICP CR-20, 4-inch o.c.	(Optional) Additional layer of base insulation	ICP CR-20, 4-inch o.c.	TremPly TPO FB / ICP CR-20 (spatter)	-200.0
R-94.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO FB / ICP CR-20 (spatter)	-180.0
TREMPLY TPO FB / TREMPLY SECURE ADHESIVE:							
R-95.	Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, Trisotech, Trisotech G, UltraMax	T-LRFIA	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA	TremPly TPO / TremPly Secure Adhesive	-142.5
R-96.	Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel, over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, Trisotech, Trisotech G, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-167.5
R-97.	Existing smooth- or granule-surfaced BUR or smooth- or granule-surfaced modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, ACFoam III, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, ISO 95+ GL, Multi-Max FA3, RESISTA, Trisotech, Trisotech G, UltraMax	T-LRFIA (BG)	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	T-LRFIA (BG)	TremPly TPO / TremPly Secure Adhesive	-180.0
R-98.	Existing smooth- or granule-surfaced BUR; smooth- or granule-surfaced SBS or APP modified bitumen over structural concrete deck	(Optional) Min. 0.5-inch ACFoam II, EnergyGuard Polyiso Insulation, EnergyGuard Ultra, ENRGY 3, H-Shield, Trisotech, Trisotech G	ICP CR-20	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	ICP CR-20	TremPly TPO / TremPly Secure Adhesive	-180.0

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TABLE 7B: STEEL - RECOVER SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER *(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**	**Attachment**		**Roof Cover**	**MDP (psf)**
			Fasteners (Note 11)	**Spacing**		
R-99.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.075 inch), 50 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, min. 2-inch, preliminarily fastened	Dekfast #12 Purlin Fastener with SFS *isoweld®* F1-P-6.8-TPO Plates are fastened through to purlins	8-inch o.c. along purlins	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-52.5
R-100.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.075 inch), 50 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, min. 2-inch, preliminarily fastened	Dekfast #12 Purlin Fastener with SFS *isoweld®* F1-P-6.8-TPO Plates are fastened through to purlins	6-inch o.c. along purlins	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-82.5
R-101.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, preliminarily fastened	Dekfast #12 Purlin Fastener with SFS *isoweld®* F1-P-6.8-TPO Plates are fastened through to purlins	6-inch o.c. along purlins	TremPly TPO bonded to SFS *isoweld®* F1-P-6.8-TPO Plates with SFS *isoweld®* 3000 tool.	-90.0

TABLE 7C: STEEL - RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER *(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.	**Deck (Note 1)**	**Insulation**		**Roof Cover**			**MDP (psf)**
		Type	**Attach**	**Membrane**	**Fasteners (Note 11)**	**Attachment**	
R-102.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination	Prelim. attached	TremPly TPO	Tremco #12 Purlin Fastener with Tremco 2.4" Barbed Seam Plates or Trufast #12 Purlin Fastener with Trufast 2.4" Barbed Metal Seam Plates	6-inch o.c. within 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with a 1.5-inch heat weld.	-52.5

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TABLE 7D: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	**Deck (Note 1)**	**Substrate (Note 12)**	**Roof Cover (Note 15)**	**MDP (psf)***
R-103.	wood, CWF or gypsum deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / T-LRA, 12-inch o.c.	-45.0
R-104.	steel deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / T-LRA, 12-inch o.c.	-60.0
R-105.	steel deck	Existing smooth or granule surfaced SBS modified bitumen or existing smooth or granule surfaced APP modified bitumen	TremPly TPO FB / T-LRA, 4-inch o.c.	-60.0
R-106.	steel deck	Existing asphaltic granule surfaced cap sheet	TremPly TPO FB / T-LRA, 6-inch o.c.	-67.5
R-107.	steel deck	Existing granule surfaced BUR or granule surfaced SBS or APP modified bitumen	TremPly TPO FB / T-LRA, 4-inch o.c.	-105.0
R-108.	structural concrete deck	Existing smooth or granule surfaced SBS modified bitumen or existing smooth or granule surfaced APP modified bitumen	TremPly TPO FB / T-LRA, 4-inch o.c.	-337.5
R-109.	structural concrete deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / T-LRA, 4-inch o.c.	-492.5
R-110.	wood, CWF or gypsum deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / ICP CR-20 (spatter)	-45.0
R-111.	steel deck	Existing smooth surfaced SBS modified bitumen	TremPly TPO FB / ICP CR-20 (spatter)	-60.0
R-112.	steel deck	Existing granule surfaced BUR or granule surfaced SBS or APP modified bitumen	TremPly TPO FB / ICP CR-20 (spatter)	-120.0
R-113.	structural concrete deck	Existing smooth or granule surfaced SBS modified bitumen or existing granule surfaced APP modified bitumen	TremPly TPO FB / ICP CR-20 (spatter)	-337.5
R-114.	structural concrete deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / ICP CR-20 (spatter)	-497.5
R-115.	structural concrete deck	Existing asphaltic granule surfaced roof cover	TremPly TPO FB / hot asphalt or THERMastic 80	-405.0

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