NEMO|etc.
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ENGINEER TEST CONSULT

P.E. EVALUATION REPORT (PEER)

Beacon Sales Acquisition, Inc.
505 Huntmar Park Drive, Suite 300
Herndon, VA 20170
(610) 893-5400

PEER-CTRBSA-001.B.R3
FL30268-R6 (HVHZ)
Date of Issuance: 11/09/2023
Revision 3: 04/17/2025

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

DESCRIPTION: TRI-BUILT Modified Bitumen Roof Systems (HVHZ)

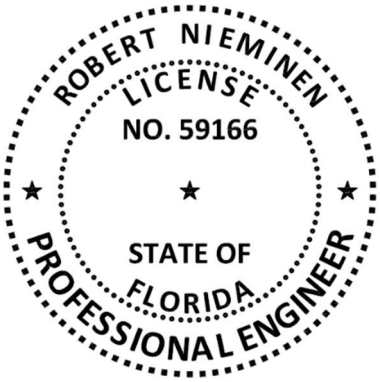
LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.
ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4, plus a 52-page Appendix.

Prepared by:

Digitally signed by Robert Nieminen
Date: 2025.04.17 '15:43:13 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



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4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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ROOFING SYSTEMS EVALUATION:

1. SCOPE:

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

2. STANDARDS:

SECTION	PROPERTY	STANDARD
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
TAS 110	Wind resistance	TAS 114, Appendix C, D or J
TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
TAS 110	Material standard	ASTM D1970
TAS 110	Material standard	ASTM D4601
TAS 110	Material standard	ASTM D6164
TAS 110	Material standard	ASTM D6222

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO (TST6049)	ASTM D1970	4q-CTR-SSMBB-002.A	01/06/2025
NEMO CERT (EVL13843)	NER	NER-CTR-001	05/29/2024
NEMO	Cross-Reference	FBC Product Cross Listing	09/27/2023
UL, LLC. (QUA9625)	Quality Assurance	Service Confirmation	11/13/2019
UL, LLC. (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **TRI-BUILT Modified Bitumen Roof Systems** installed in accordance with **Beacon Sales Acquisition, Inc.** published installation instructions and the Limitations of Use set forth herein.

TABLE 1: EVALUATED MEMBRANES

TYPE	PRODUCT	MATERIAL STANDARD			PLANT(S)
		REFERENCE	TYPE	GRADE	
Base Sheets	TRI-BUILT SA Nailbase	ASTM D4601	II	N/A	Little Rock, AR
	TRI-BUILT Fiberglass Base Sheet 3SQ	ASTM D4601	II	N/A	Pryor, OK Shafter, CA
Base/Ply Membranes (APP)	TRI-BUILT Smooth Torch	ASTM D6222	I	S	Little Rock, AR
Cap Membranes (APP)	TRI-BUILT Smooth Torch	ASTM D6222	I	S	Little Rock, AR
	TRI-BUILT Granulated Torch	ASTM D6222	I	G	Little Rock, AR
Base/Ply Membranes (SBS)	TRI-BUILT SAT Base	ASTM D1970	N/A	N/A	Pryor, OK Shakopee, MN
	TRI-BUILT SA Plybase	ASTM D1970	N/A	N/A	Little Rock, AR
Cap Membranes (SBS)	TRI-BUILT SA Cap	ASTM D6164	I	G	Little Rock, AR
	TRI-BUILT SBS Cap	ASTM D6164	I	G	Little Rock, AR

5. LIMITATIONS:

5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER is exclusively for use in High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

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

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

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

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

5.6.1 For mechanically attached components over existing roof decks, 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 **RAS 137**. ***This extrapolation is not permitted for systems marked with an asterisk****.

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

5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this PEER.

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6. INSTALLATION:

TRI-BUILT Modified Bitumen Roof Systems shall be installed in accordance with **Beacon Sales Acquisition, Inc.** published installation instructions, subject to the Limitations of Use herein.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

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

9. QUALITY ASSURANCE ENTITY:

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

- THE 52-PAGES THAT FOLLOW FORM PART OF THIS PEER -

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APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7
1B	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	8
1C	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	9
1D	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	11
1E	Wood	New, Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	12
1F	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	13
2A	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	15
2B	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	18
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	21
3A	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	22
3B	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	29
4A	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	30
4B	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	31
4C	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	35
4D	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	38
5A	Cementitious wood fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	41
5B	Cementitious wood fiber	New or Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	42
5C	Cementitious wood fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	43
5D	Cementitious wood fiber	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	43
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	44
6B	Existing gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	45
6C	Existing gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	46
6D	Existing gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	47
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	48

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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:

Fastener/Plate Options				
Deck Type	By	FBC HVHZ File	Parts	Minimum Engagement
Wood	Altenloh, Brinck and Co. U.S., Inc.	24-0227.06	Trufast #14 HD with Trufast 3" Metal Insulation Plates	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
	OMG, Inc.	23-0718.03	OMG #14 Roofgrip with AccuTrac Plates or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate	
	SFS Group USA, Inc.	22-0913.02	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.	
Steel	Altenloh, Brinck and Co. U.S., Inc.	24-0227.06	Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plates	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
	OMG, Inc.	23-0718.03	OMG #12 or #14 Roofgrip with AccuTrac Plates or OMG #12 Standard or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate	
	SFS Group USA, Inc.	22-0913.02	Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.	
Structural Concrete	Altenloh, Brinck and Co. U.S., Inc.	24-0227.06	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 3" Metal Insulation Plates	Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions
	OMG, Inc.	23-0718.03	OMG #14 Roofgrip with AccuTrac Plates or OMG #14 Heavy Duty or CD-10 with OMG 3 in. Galvalume Steel Plate	
	SFS Group USA, Inc.	22-0913.02	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.	

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

4 Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.

5 Preliminary insulation attachment: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

6 Unless otherwise noted, insulation adhesive application rates are as follows.

- Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
- If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
- When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
- The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

Insulation Adhesive References					
By	FBC HVHZ File	Adhesive	Reference	Minimum Rate	Note
DuPont de Nemours, Inc.	FL720	Insta Stik Quik Set	Insta Stick	Continuous 0.75 to 1 inch wide ribbons, 12-inch o.c	
H.B. Fuller Company	21-1018.06	Millennium One Step Foamable Adhesive	M-OSFA	Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c.	
		Millennium PG-1 Pump Grade Adhesive	M-PG1	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
		Millennium PG-1 EF ECO	M-PG1-EF-ECO	Continuous 1 to 1.5-inch wide ribbons, 12-inch o.c.	
ICP Construction, Inc.	22-0614.11	Polyset Board-Max	Polyset BM	Continuous 3-inch wide ribbons, 12-inch o.c.	
	21-1115.05	Polyset Commercial Roofing Adhesive	Polyset CRA	Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c.	*Formerly Polyset CR-20*
OMG, Inc.	24-0422.18	OlyBond 500 Adhesive Fastener	OB500	Continuous 0.75-inch wide ribbons, 12-inch o.c.	*PaceCart, SpotShot or Canister dispensing*

Insulation Adhesive References					
By	FBC HVHZ File	Adhesive	Reference	Minimum Rate	Note
Generic, ASTM D312, Type IV	N/A	hot asphalt	N/A	Full coverage at 25-30 lbs/square	*If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer*

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

MDP Limitations for Tapered Polyisocyanurate Insulations				
Adhesive	Insulation		Min. Tapered Thickness (in)	MDP (psf)
	Listed Product	FBC HVHZ File		
Insta Stik	Any polyisocyanurate listed with adhesive herein	Various	1.0	-120.0
M-OSFA	Any polyisocyanurate listed with adhesive herein	Various	1.0	-157.5
M-PG1	Any polyisocyanurate listed with adhesive herein	Various	1.0	-157.5
Polyset CRA	Any polyisocyanurate listed with adhesive herein	Various	1.0	-117.5
OB500	Rmax Multi-Max FA3	22-0815.03	0.5	-45.0
OB500	Hunter H-Shield	24-0422.09	0.5	-315.0
OB500	Johns Manville ENRGY 3	23-0509.05	0.5	-315.0
OB500	Atlas Roofing ACFoam II	24-0215.03	0.5	-487.5

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

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

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

11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or RAS 137 – may be submitted to the Building Official for review and acceptance. For systems using Trufast Versa-Fast, the number of Versa-Fast Fasteners installed through the Versa-Fast Plate may be increased from the minimum noted in order to yield minimum required withdrawal resistance.

12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with Testing Application Standard TAS 124.

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

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

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

MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
BP-AA	Base Ply:	TRI-BUILT Fiberglass Base Sheet 3SQ	hot asphalt at 20-40 lbs/square
SBS-AA	Cap Ply:	TRI-BUILT SBS Cap	hot asphalt at 20-40 lbs/square
	Note:	SBS-AA membrane applications are not intended for use with APP-TA membrane applications.	
SBS-SA-H	Base Ply:	TRI-BUILT SAT Base	self-adhering (activated by overlying membrane)
SBS-SA	Base Ply:	TRI-BUILT SA PlyBase	self-adhering
	Ply:	TRI-BUILT SA PlyBase	
	Cap Ply:	TRI-BUILT SA Cap	
APP-TA	Base Ply:	One or more TRI-BUILT Smooth Torch	torch-applied
	Cap Ply:	TRI-BUILT Smooth Torch, TRI-BUILT Granulated Torch	
	Note:	APP-TA membrane applications are not intended for use with SBS-AA membrane applications.	

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

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

CONCRETE DECKS: VAPOR BARRIER OPTIONS, FOLLOWED BY BONDED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		ADHESIVE PER TABLE 3A (Notes 6,7,8)	MDP (PSF)
		TYPE	ATTACH		
C-VB-1.	Tropical #410 Quick Dry	TRI-BUILT SA PlyBase	Self-adhering	OB500, 12-inch o.c.	-82.5
C-VB-2.	Tropical #410 Quick Dry	TRI-BUILT SAT Base or TRI-BUILT SA Cap	Self-adhering	M-OSFA or M-PG1, 12-inch o.c.	-97.5
C-VB-3.	Tropical #410 Quick Dry	TRI-BUILT SAT Base or TRI-BUILT SA Cap	Self-adhering	M-OSFA or M-PG1, 6-inch o.c.	-315.0
C-VB-4.	Tropical #410 Quick Dry	TRI-BUILT Granulated Torch	Torch-applied	M-OSFA or M-PG1, 12-inch o.c.	-420.0

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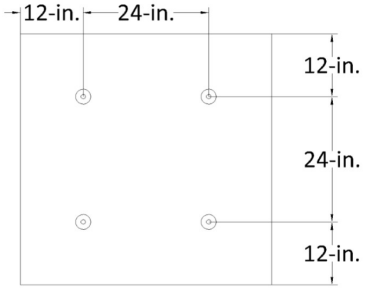
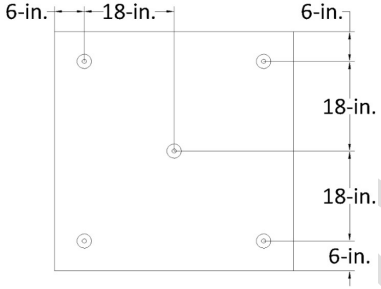
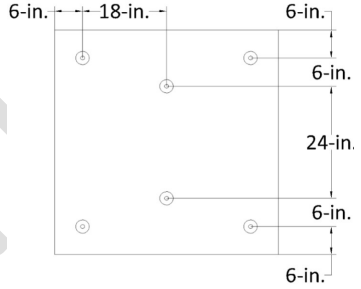
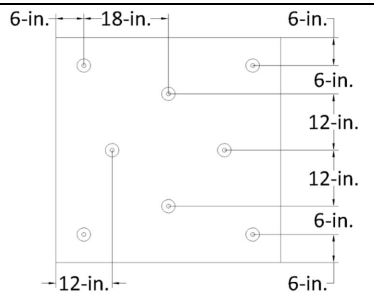
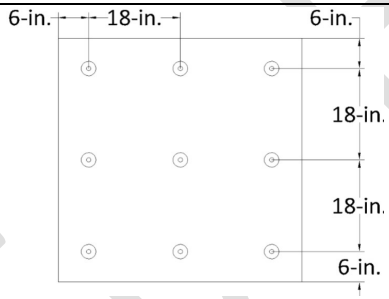
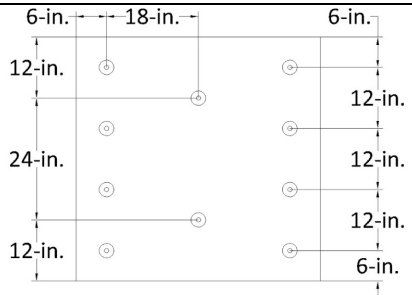
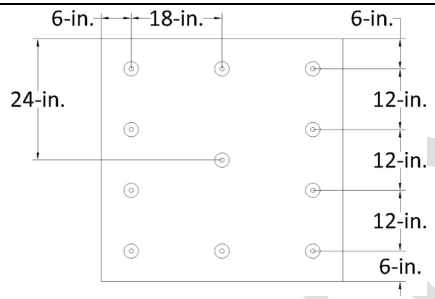
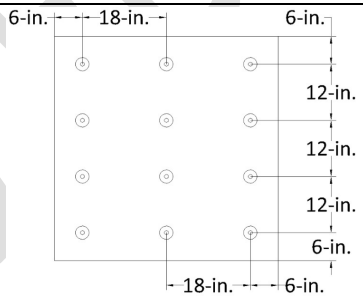
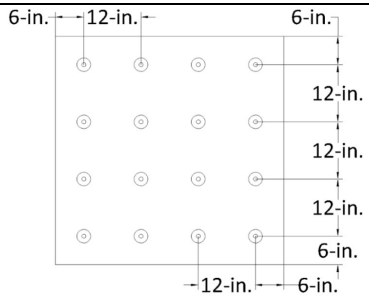
17 Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.

INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS		
 **1 per 4.0 ft² (4 per board)**	 **1 per 3.2 ft² (5 per board)**	 **1 per 2.7 ft² (6 per board)**
 **1 per 2.0 ft² (8 per board)**	 **1 per 1.8 ft² (9 per board)**	 **1 per 1.6 ft² (10 per board)**
 **1 per 1.45 ft² (11 per board)**	 **1 per 1.3 ft² (12 per board)**	 **1 per 1.0 ft² (16 per board)**

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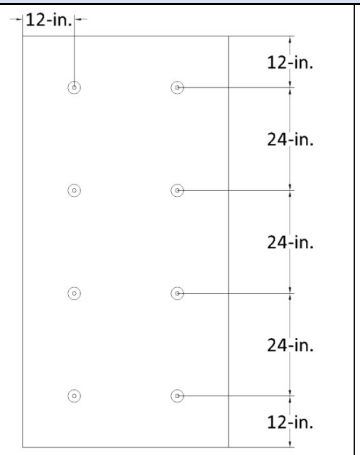
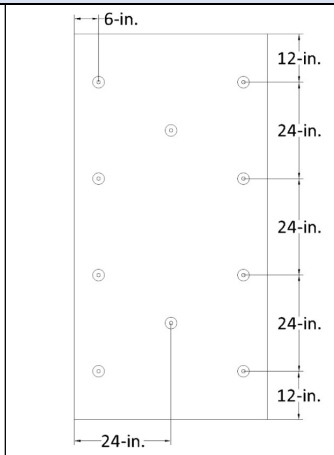
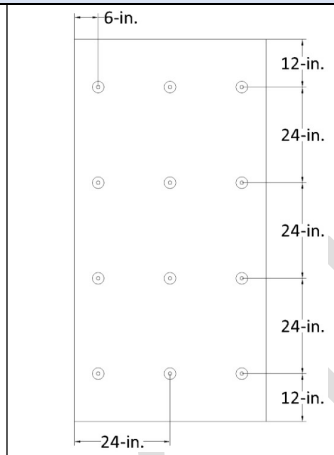
INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS



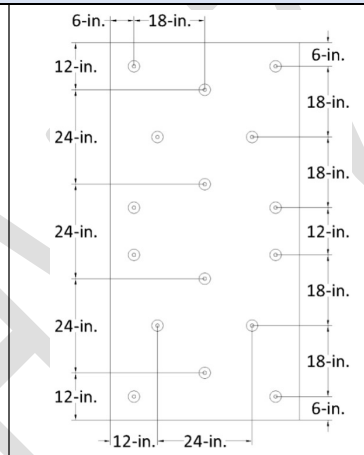
1 per 4.0 ft² (8 per board)



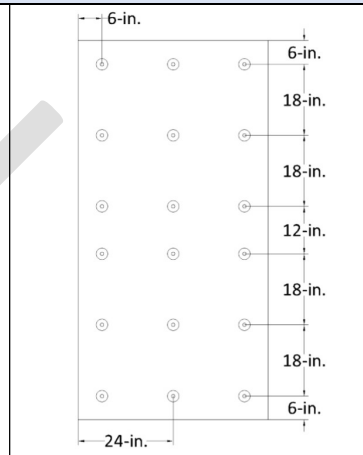
1 per 3.2 ft² (10 per board)



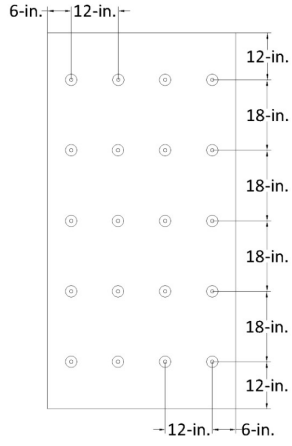
1 per 2.7 ft² (12 per board)



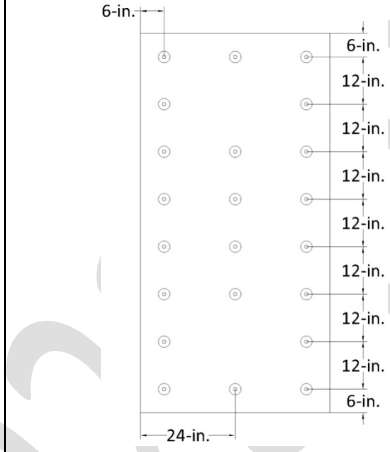
1 per 2.0 ft² (16 per board)



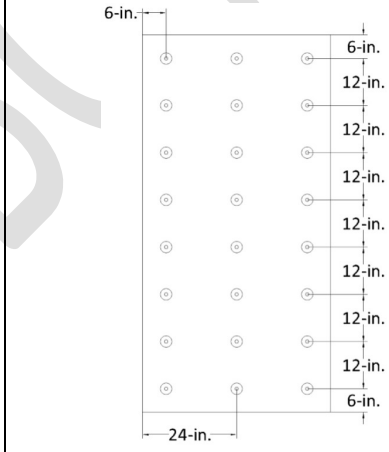
1 per 1.8 ft² (18 per board)



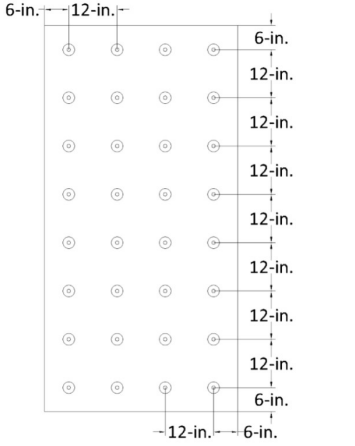
1 per 1.6 ft² (20 per board)



1 per 1.45 ft² (22 per board)



1 per 1.3 ft² (24 per board)



1 per 1.0 ft² (32 per board)

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. **(Notes 9 and 10)**

2024-BUILT

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
W-1	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span; 8d ring shank nails, 6" o.c.	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#14-PH3 with Dekfast PLT-R-3	1 per 2.0 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
HYBRID SYSTEMS:										
W-2	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span; 8d ring shank nails, 6" o.c.	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#14-PH3 with Dekfast PLT-R-3	1 per 2.0 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-3	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP or #14 HD with Trufast 3"Metal Insulation Plates	1 per 1.3 ft²	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt, M-OSFA, M-PG1 Insta Stik, OB500	SBS-SA-H	(Optional) APP-TA	APP-TA	-67.5
CONVENTIONAL SYSTEMS:										
W-4	Min. 23/32-inch plywood, 24-inch span; 8d ring shank nails, 6" o.c.	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous)	hot asphalt	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-5	Min. 23/32-inch plywood, 24-inch span; 8d ring shank nails, 6" o.c.	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-6	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP or #14 HD with Trufast 3"Metal Insulation Plates	1 per 1.3 ft²	Optional additional layer(s) of base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof board	hot asphalt, M-OSFA, M-PG1, Insta Stik, OB500	APP-TA	(Optional) APP-TA	APP-TA	-90.0

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

Sys. No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:													
W-7	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
W-8	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c.	Min. 0.25-inch DensDeck	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
W-9	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
HYBRID SYSTEMS:													
W-10	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	None	N/A	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-11	Min. 19/32-inch plywood at max. 24-inch, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	None	N/A	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
CONVENTIONAL SYSTEMS:													
W-12	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	Tropical #410 Quick Dry	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*

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

Sys. No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
W-13	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c.	Min. 0.25-inch DensDeck	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c.	Tropical #410 Quick Dry	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-14	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c.	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0

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 3, Note 13)	Top Insulation Layer			Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
W-15	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck	Note 2	1 per 1.3 ft²	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0
W-16	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.7 ft²	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
W-17	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
W-18	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
W-19	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	Note 2	1 per 1.45 ft²	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
HYBRID SYSTEMS:										

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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 3, Note 13)	Top Insulation Layer			Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		Base Ply	Ply	Cap Ply	
W-20	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-52.5
W-21	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	Note 2	1 per 1.3 ft²	None	SBS-SA-H	(Optional) BP-AA	SBS-AA	-52.5
W-22	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Note 2	1 per 1.45 ft²	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-23	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	(Optional) Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-75.0
W-24	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	Note 2	1 per 1.3 ft²	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-82.5
CONVENTIONAL SYSTEMS:										
W-25	Min. 23/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous)	Note 2	1 per 2.0 ft²	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-26	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-27	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, 8d ring shank nails, 6" o.c.	(Optional for Recover) Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	None	APP-TA	(Optional) APP-TA	APP-TA	-60.0
W-28	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield, loose laid.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.8 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-29	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	(Optional for Recover) Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	None	APP-TA	(Optional) APP-TA	APP-TA	-67.5

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TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER										
System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
W-30	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT SA Nailbase	Note 2	8-inch o.c. at min. 3-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-82.5*
W-31	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT SA Nailbase	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-97.5*
W-32	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT SA Nailbase	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-127.5*
HYBRID SYSTEMS:										
W-33	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	SBS-SA-H	SBS-AA or APP-TA	-97.5
W-34	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-105.0
W-35	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	SBS-SA-H	SBS-AA or APP-TA	-127.5
CONVENTIONAL SYSTEMS:										
W-36	Min. 23/32-inch plywood, 24-inch span; 8d ring shank nails, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-37	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows.	None	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-97.5

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
W-38	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	One or more layers, any thickness or combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast #14 HD with Trufast 3" Metal Insulation Plate	8-inch o.c. at 4-inch lap and 8-inch o.c. at three (3) equally spaced, staggered center rows	None	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-97.5
W-39	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-105.0
W-40	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows.	None	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-127.5

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

System No.	Deck (Note 1)	Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:								
W-41	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT SA Nailbase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	(Optional) SBS-SA	SBS-SA	-52.5
W-42	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 4" o.c.	TRI-BUILT SA Nailbase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	(Optional) SBS-SA	SBS-SA	-60.0
W-43	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT SA Nailbase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	None	(Optional) SBS-SA	SBS-SA	-75.0
W-44	Min. 19/32-inch plywood, 24-inch span and blocked 48-inch o.c., #10 wood screws, 6" o.c.	TRI-BUILT SA Nailbase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at min. 2-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows	None	(Optional) SBS-SA	SBS-SA	-105.0
HYBRID SYSTEMS:								
W-45	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-45.0*
W-46	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-52.5
W-47	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-60.0
W-48	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-82.5

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

System No.	Deck (Note 1)	Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
W-49	Min. 19/32-inch plywood, 24-inch span and blocked 48-inch o.c., #10 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at 3-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-105.0
CONVENTIONAL SYSTEMS:								
W-50	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	9-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-51	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-52	Min. 19/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-53	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-82.5
W-54	Min. 19/32-inch plywood, 24-inch span and blocked 48-inch o.c., #10 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	4-inch o.c. at 3-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-105.0

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

System No.	Deck (Note 1)	Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:								
W-55	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT SA Nailbase	Note 2	8-inch o.c. at min. 3-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-82.5*
W-56	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT SA Nailbase	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-97.5*
W-57	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	TRI-BUILT SA Nailbase	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-127.5*
HYBRID SYSTEMS:								
W-58	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	SBS-SA-H	SBS-AA or APP-TA	-97.5
W-59	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows	None	SBS-SA-H	SBS-AA or APP-TA	-105.0

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Sheet			Primer	Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach		Base Ply	Cap Ply	
W-60	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	Tropical #410 Quick Dry at stress plates	SBS-SA-H	SBS-AA or APP-TA	-127.5
CONVENTIONAL SYSTEMS:								
W-61	Min. 23/32-inch plywood, 24-inch span, 8d ring shank nails, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
W-62	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows	None	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-97.5
W-63	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast #14 HD with Trufast 3" Metal Insulation Plate	8-inch o.c. at 4-inch lap and 8-inch o.c. at three (3) equally spaced, staggered center rows	None	(Optional) BP-AA	SBS-AA	-97.5
W-64	Min. 19/32-inch plywood, 24-inch span, #8 wood screws, 6" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows	None	BP-AA or APP-TA	SBS-AA or APP-TA	-105.0
W-65	Min. 15/32-inch (existing), min. 19/32-inch (new) plywood, 24-inch span, #10 wood screws, 4" o.c.	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows	None	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-127.5

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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 (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
S-1	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
S-2	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Note 2	1 per 2.7 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0
S-3	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#12-DP or DF-#14-PH3 with Dekfast PLT-R-3	1 per 2.0 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
S-4	Min. 22 ga., type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#12-DP or DF-#14-PH3 with Dekfast PLT-R-3	1 per 1.6 ft²	Min. 2.5-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	SBS-SA	(Optional) SBS-SA	SBS-SA	-82.5
HYBRID SYSTEMS:										
S-5	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Note 2	1 per 2.7 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0
S-6	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#12-DP or DF-#14-PH3 with Dekfast PLT-R-3	1 per 2.0 ft²	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
S-7	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP or #14 HD with Trufast 3"Metal Insulation Plates	1 per 1.45 ft²	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt, M-OSFA, M-PG1, Insta Stik, OB500	SBS-SA-H	(Optional) APP-TA	APP-TA	-67.5
S-8	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, Insta Stik, OB500	SBS-SA-H	(Optional) APP-TA	APP-TA	-75.0
S-9	Min. 22 ga., type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II or H-Shield	Dekfast DF-#12-DP or DF-#14-PH3 with Dekfast PLT-R-3	1 per 1.6 ft²	Min. 2.5-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	SBS-SA-H	(Optional) APP-TA	APP-TA	-82.5

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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 (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-10	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	SBS-SA-H	(Optional) APP-TA	APP-TA	-90.0*
CONVENTIONAL SYSTEMS:										
S-11	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous).	hot asphalt	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-12	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-13	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 2.0 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-14	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 3.2 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous).	hot asphalt	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-15	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 3.2 ft²	Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-16	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	Note 2	1 per 1.3 ft²	Min. 0.75-inch FescoBoard (homogeneous)	hot asphalt	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
S-17	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-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 (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-18	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	Note 2	1 per 1.3 ft²	Min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-67.5
S-19	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, Insta Stik, OB500	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-75.0
S-20	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-90.0*

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TABLE 2B: 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(s) (Note 3, Note 13)	Top Insulation Layer			Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
S-21	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft^2	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
S-22	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck	Note 2	1 per 1.3 ft^2	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0
S-23	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.8 ft^2	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-67.5
S-24	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft^2	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-82.5
S-25	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 3" Metal Insulation Plate	1 per 1.0 ft^2	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-97.5
HYBRID SYSTEMS:										
S-26	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.7 ft^2	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-27	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.8 ft^2	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-67.5
S-28	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft^2	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-75.0
S-29	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft^2	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-82.5
S-30	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft^2	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-82.5

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TABLE 2B: 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(s) (Note 3, Note 13)	Top Insulation Layer			Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		Base Ply	Ply	Cap Ply	
S-31	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	Note 2	1 per 1.3 ft²	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-82.5
S-32	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-97.5
S-33	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	None	SBS-SA-H	(Optional) APP-TA	APP-TA	-135.0
CONVENTIONAL SYSTEMS:										
S-34	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-35	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous)	Note 2	1 per 2.0 ft²	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-36	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-37	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	None	APP-TA	(Optional) APP-TA	APP-TA	-60.0
S-38	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield, loose laid.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
S-39	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.45 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-82.5

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TABLE 2B: 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(s) (Note 3, Note 13)	Top Insulation Layer			Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		Base Ply	Ply	Cap Ply	
S-40	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Min. 0.5-inch DensDeck Prime	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	None	BP-AA	(Optional) BP-AA	SBS-AA	-112.5
S-41	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-135.0
S-42	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	None	BP-AA	(Optional) BP-AA	SBS-AA	-157.5
S-43	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Min. 0.5-inch DensDeck Prime	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	None	BP-AA	(Optional) BP-AA	SBS-AA	-157.5
S-44	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II or H-Shield	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	None	BP-AA	(Optional) BP-AA	SBS-AA	-172.5

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TABLE 2c: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:									
S-45	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT SA Nailbase	Note 2	9-inch o.c. at min. 2-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-45.0*
S-46	Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT SA Nailbase	Note 2	12-inch o.c. at min. 2-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-52.5*
S-47	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 6, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT SA Nailbase	Note 2	12-inch o.c. at min. 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) SBS-SA	SBS-SA	-60.0*
S-48	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT SA Nailbase (laid parallel to deck flutes)	Note 2	8-inch o.c. at min. 4-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows, Tropical #410 Quick Dry at stress plates	(Optional) SBS-SA	SBS-SA	-82.5*
CONVENTIONAL SYSTEMS:									
S-49	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
S-50	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT Fiberglass Base Sheet 3SQ	Note 2	12-inch o.c. at 3-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
S-51	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attached	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG #14 HD with OMG Flat Bottom Plates (AccuTrac)	6-inch o.c. at 4-inch lap and 6-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA or APP-TA	SBS-AA or APP-TA	-67.5
S-52	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 with ¾" washers, 6" o.c. or min. 2,500 psi structrual concrete	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast #14 HD with Trufast 3" Metal Insulation Plate	6-inch o.c. at 4-inch lap and 6-inch o.c. at three (3) equally spaced, staggered center rows	(Optional) BP-AA	SBS-AA	-97.5

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:											
C-1.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-2.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
C-3.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-97.5
C-4.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-142.5
C-5.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-6.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA or M-PG1	Min. 0.25-inch DensDeck	M-OSFA or M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
C-7.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-315.0
C-8.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-315.0
C-9.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-342.5
C-10.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.5-inch H-Shield HD	M-PG1-EF-ECO	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-97.5
C-11.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 2-inch H-Shield HD Composite CG	M-PG1-EF-ECO	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-142.5
C-12.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-13.	Structural concrete	(Optional) Tropical #410 Quick Dry	Min. 1.5-inch Multi-Max FA	Insta Stik	Min. 0.25-inch DensDeck	Insta Stik	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-67.5

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-14.	Structural concrete	(Optional) Tropical #410 Quick Dry	Min. 1.5-inch ENRGY 3	Insta Stik	Min. 0.25-inch DensDeck	Insta Stik	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-112.5
C-15.	Structural concrete	(Optional) Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II	Insta Stik	Min. 0.25-inch DensDeck	Insta Stik	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-120.0
C-16.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-17.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch DensDeck	OB500	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-120.0
C-18.	Structural concrete	None	Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch DensDeck	OB500	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-150.0
C-19.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-20.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
C-21.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch DensDeck	Polyset BM or Polyset CRA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
HYBRID SYSTEMS:											
C-22.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-375.0
C-23.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-97.5
C-24.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-142.5
C-25.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA	(Optional) Additional layer(s) base insulation	M-OSFA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-232.5
C-26.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-27.	Structural concrete	None	Min. 1-inch Styrofoam Brand Roofmate	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-210.0
C-28.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0
C-29.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1	(Optional) Additional layer(s) base insulation	M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-270.0
C-30.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-31.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0
C-32.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-315.0
C-33.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-342.5
C-34.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.5-inch H-Shield HD	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-97.5
C-35.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 2-inch H-Shield HD Composite CG	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-142.5
C-36.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0
C-37.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-38.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	(Optional) Additional layer(s) base insulation	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-247.5
C-39.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Insta Stik	(Optional) Additional layer(s) base insulation	Insta Stik	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-135.0
C-40.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-41.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-42.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	OB500	(Optional) Additional layer(s) base insulation	OB500	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-135.0
C-43.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-44.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0
C-45.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Polyset BM or Polyset CRA	(Optional) Additional layer(s) base insulation	Polyset BM or Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-270.0
C-46.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-47.	Structural concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-180.0
C-48.	Structural concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-49.	Structural concrete	None	Min. 1.5-inch Styrofoam Brand Roofmate	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-217.5
C-50.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	N/A	None	SBS-SA-H	(Optional) APP-TA	SBS-AA, APP-TA	-195.0
CONVENTIONAL SYSTEMS:											
C-51.	Structural concrete	Tropical #410 Quick Dry	(Optional) Min. 1.5-inch ACFoam II	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
C-52.	Structural concrete	Tropical #410 Quick Dry	(Optional) Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-53.	Structural concrete	Tropical #410 Quick Dry	(Optional) Min. 1.5-inch ACFoam II or H-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	APP-TA	(Optional) APP-TA	APP-TA	-252.5
C-54.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-227.0
C-55.	Structural concrete	Tropical #410 Quick Dry	(Optional) Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	APP-TA	(Optional) APP-TA	APP-TA	-232.5

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-56.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-240.0
C-57.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II	hot asphalt	Min. 0.75-inch FescoBoard (homogeneous)	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-412.0
C-58.	Structural concrete	Tropical #410 Quick Dry	Min. 1.5-inch ACFoam II	hot asphalt	Min. 0.5-inch DuraBoard (homogeneous)	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-430.0
C-59.	Structural concrete	Tropical #410 Quick Dry	0.5-inch Structodek High Density Fiberboard or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	None	N/A	None	BP-AA	(Optional) BP-AA	SBS-AA	-437.5
C-60.	Structural concrete	Tropical #410 Quick Dry	0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	N/A	None	BP-AA	(Optional) BP-AA	SBS-AA	-537.5
C-61.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA	Min. 0.5-inch Structodek High Density Fiberboard	M-OSFA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-127.5
C-62.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-PG1	Min. 0.5-inch Structodek High Density Fiberboard	M-PG1	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
C-63.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA	Min. 0.25-inch DensDeck	M-OSFA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-232.5
C-64.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-PG1	Min. 0.25-inch DensDeck	M-PG1	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-240.0
C-65.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1	Min. 0.25-inch DensDeck Prime	M-PG1	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-66.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-67.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-68.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	APP-TA	(Optional) APP-TA	APP-TA	-252.5

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-69.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-70.	Structural concrete	None	0.5-inch Structodek High Density Fiberboard	M-PG1	None	N/A	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-71.	Structural concrete	None	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	N/A	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-72.	Structural concrete	None	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1, 6-inch o.c.	None	APP-TA	(Optional) APP-TA	APP-TA	-315.0
C-73.	Structural concrete	None	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	N/A	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-74.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime	M-PG1-EF-ECO	None	BP-AA	(Optional) BP-AA	SBS-AA	-247.5
C-75.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-247.5
C-76.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Insta Stik	Min. 0.25-inch DensDeck Prime	Insta Stik	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-77.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-78.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-79.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	APP-TA	(Optional) APP-TA	APP-TA	-252.5
C-80.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	Insta Stik	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-81.	Structural concrete	None	0.5-inch Structodek High Density Fiberboard	Insta Stik	None	N/A	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-82.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Insta Stik	None	N/A	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-83.	Structural concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.5-inch Structodek High Density Fiberboard	OB500	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-120.0
C-84.	Structural concrete	None	Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck or DensDeck Prime	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-150.0
C-85.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	OB500	Min. 0.25-inch DensDeck Prime	OB500	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-86.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-87.	Structural concrete	None	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-88.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	APP-TA	(Optional) APP-TA	APP-TA	-252.5
C-89.	Structural concrete	None	Min. 1.5-inch ACFoam II or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	BP-AA	(Optional) BP-AA	SBS-AA	-297.5
C-90.	Structural concrete	None	0.5-inch Structodek High Density Fiberboard	OB500	None	N/A	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-91.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-92.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
C-93.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield, or H-Shield CG, min. 1.3-inch ACFoam III or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-94.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-95.	Structural concrete	None	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch DensDeck	Polyset BM or Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-240.0

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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

Sys. No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
C-96.	Structural concrete	None	0.5-inch Structodek High Density Fiberboard	Polyset BM or Polyset CRA	None	N/A	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
C-97.	Structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	N/A	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)			MDP (psf)
			Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:						
C-98.	Structural concrete	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-630.0
HYBRID SYSTEMS:						
C-99.	Structural concrete	Tropical #410 Quick Dry	SBS-SA-H	(Optional) APP-TA	APP-TA	-150.0
C-100.	Structural concrete	Tropical #410 Quick Dry	SBS-SA-H	(Optional) BP-AA	SBS-AA	-240.0
CONVENTIONAL SYSTEMS:						
C-101.	Structural concrete	Tropical #410 Quick Dry	APP-TA	(Optional) APP-TA	APP-TA	-420.0
C-102.	Structural concrete	Tropical #410 Quick Dry	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-635.0

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TABLE 4A: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CELCORE (NOA 24-0906.02):										
SELF-ADHERING SYSTEMS:										
LWC-1	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
LWC-2	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
LWC-3	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
LWC-4	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
LWC-5	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
HYBRID SYSTEMS:										
LWC-6	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA, M-PG1, OB500, Polyset BM, Polyset CRA	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, Polyset BM, Polyset CRA	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-52.5
CONVENTIONAL SYSTEMS:										
LWC-7	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
LWC-8	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-9	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
LWC-10	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
LWC-11	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)				MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Primer	Base Ply	Ply	Cap Ply	
CELCORE (NOA 24-0906.02):											
SELF-ADHERING SYSTEMS:											
LWC-12	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck	M-OSFA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-90.0
LWC-13	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-90.0
LWC-14	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-15	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck	M-OSFA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)				MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Primer	Base Ply	Ply	Cap Ply	
LWC-16	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-217.5
LWC-17	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-18	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-19	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck	M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
LWC-20	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck	M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
LWC-21	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-240.0
LWC-22	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-232.5
LWC-23	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-24	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-25	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5

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TABLE 4B: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)				MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Primer	Base Ply	Ply	Cap Ply	
LWC-26	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-180.0
HYBRID SYSTEMS:											
LWC-27	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II or H-Shield	M-OSFA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-90.0
LWC-28	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II or H-Shield	M-OSFA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-217.5
LWC-29	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II or H-Shield	M-PG1	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-232.5
LWC-30	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II or H-Shield	M-PG1	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-240.0
LWC-31	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-215.0
LWC-32	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM or Polyset CRA	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-215.0
CONVENTIONAL SYSTEMS:											
LWC-33	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-90.0

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TABLE 4B: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)				MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Primer	Base Ply	Ply	Cap Ply	
LWC-34	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-217.5
LWC-35	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-240.0
LWC-36	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS)	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-232.5
LWC-37	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-215.0
LWC-38	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-215.0
LWC-39	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
LWC-40	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime	Polyset CRA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
LWC-41	Structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-215.0
ELASTIZELL (NOA 23-0817.05):											
SELF-ADHERING SYSTEMS:											
LWC-42	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch DensDeck	OB500	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-150.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)				MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Primer	Base Ply	Ply	Cap Ply	
LWC-43	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-44	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
LWC-45	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-180.0
CONVENTIONAL SYSTEMS:											
LWC-46	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck or DensDeck Prime	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-150.0
LWC-47	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
LWC-48	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
LWC-49	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime	Polyset CRA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Deck Treatment	Type	Surface Treatment	Type	Fasten (Note 11)	Attach	Base	Top	Attach	Base Ply	Ply	Cap Ply	
CELCORE (NOA 24-0906.02):														
SELF-ADHERING SYSTEMS:														

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Deck Treatment	Type	Surface Treatment	Type	Fasten (Note 11)	Attach	Base	Top	Attach	Base Ply	Ply	Cap Ply	
LWC-50	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with Tropical #410 Quick Dry.	hot asphalt	SBA-SA	(Optional) SBS-SA	SBS-SA	-60.0
HYBRID SYSTEMS:														
LWC-51	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	(Optional) Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with Tropical #410 Quick Dry.	hot asphalt	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
CONVENTIONAL SYSTEMS:														
LWC-52	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	Min. 0.125-inch STURDY-DEK Asphaltic Cover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
LWC-53	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with Tropical #410 Quick Dry.	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-60.0
ELASTIZELL (NOA 23-0817.05):														
SELF-ADHERING SYSTEMS:														
LWC-54	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with Tropical #410 Quick Dry.	hot asphalt	SBA-SA	(Optional) SBS-SA	SBS-SA	-67.5
HYBRID SYSTEMS:														

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Deck Treatment	Type	Surface Treatment	Type	Fasten (Note 11)	Attach	Base	Top	Attach	Base Ply	Ply	Cap Ply	
LWC-55	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	(Optional) Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with Tropical #410 Quick Dry.	hot asphalt	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-67.5
CONVENTIONAL SYSTEMS:														
LWC-56	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	Min. 0.125-inch STURDY-DEK Asphaltic Cover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA	(Optional) APP-TA	SBS-AA or APP-TA	-67.5
LWC-57	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5" ACFoam II	Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with Tropical #410 Quick Dry.	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-67.5

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TABLE 4D: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Deck Treatment	LWC	Surface Treatment	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE:										
SELF-ADHERING SYSTEMS:										
LWC-58	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete	None	Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.	None	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (min. 1.8")	7-inch o.c. at the min. 2-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows, Tropical #410 Quick Dry at stress plates	SBS-SA	SBS-SA	-60.0
	Note:	*To qualify the LWIC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 73 lbf when tested per Note 11*								
LWC-59	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete	None	Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.	None	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (min. 1.8")	9-inch o.c. at the min. 2-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows, Tropical #410 Quick Dry at stress plates	SBS-SA	SBS-SA	-60.0
	Note:	*To qualify the LWIC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 93 lbf when tested per Note 11*								
HYBRID SYSTEMS:										
LWC-60	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete	None	Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (min. 1.8")	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA-H	SBS-AA or APP-TA	-60.0
	Note:	*To qualify the LWIC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 88 lbf when tested per Note 11*								
CONVENTIONAL SYSTEMS:										
LWC-61	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete	None	Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (min. 1.8")	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
	Note:	*To qualify the LWIC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 88 lbf when tested per Note 11*								
LWC-62	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete	None	Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (min. 1.8")	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-67.5
	Note:	*To qualify the LWIC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 77 lbf when tested per Note 11*								
CELCORE (NOA 24-0906.02):										
SELF-ADHERING SYSTEMS:										
LWC-63	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT SA Nailbase	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-45.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Deck Treatment	LWC	Surface Treatment	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
HYBRID SYSTEMS:										
LWC-64	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	SBS-AA or APP-TA	-45.0
CONVENTIONAL SYSTEMS:										
LWC-65	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation	Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0
LWC-66	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span, #12 HWH Teks 5, 6" o.c. or structural concrete	None	Min. 300 psi, min 2-inch Celcore Cellular Concrete.	Celcore PVA Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-75.0
CONCRECEL (NOA 21-1229.06):										
CONVENTIONAL SYSTEMS:										
LWC-67	Min. 22 ga., Type BV, Grade 80 steel, 5 ft span; 5/8" puddle welds with weld- washers, 6" o.c. or structural concrete	Concrecel Bonding Agent	Min. 300 psi, min 2¼-inch Concrecel Concrete.	Concrecel Curing Compound	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) BP-AA	SBS-AA or APP-TA	-52.5
ELASTIZELL (NOA 23-0817.05):										
SELF-ADHERING SYSTEMS:										
LWC-68	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT SA Nailbase	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-45.0
HYBRID SYSTEMS:										
LWC-69	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span, 5/8" puddle welds, 6" o.c. or structural concrete	None	Min. 200 psi, min 2-inch Elastizell.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA-H	SBS-AA or APP-TA	-45.0

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TABLE 4D: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Deck Treatment	LWC	Surface Treatment	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
LWC-70	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	SBS-AA or APP-TA	-45.0
CONVENTIONAL SYSTEMS:										
LWC-71	Min. 22 ga., type BV, Grade 40 steel, 6 ft span, 5/8" puddle welds, 6" o.c.	None	Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0
LWC-72	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span, 5/8" puddle welds, 6" o.c. or structural concrete	None	Min. 200 psi, min 2-inch Elastizell.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0
MEARLCRETE (NOA 24-0514.06):										
CONVENTIONAL SYSTEMS:										
LWC-73	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span, 5/8" puddle welds, 6" o.c. or structural concrete	None	Min. 250 psi, min 2-inch Mearlcrete.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) BP-AA	SBS-AA or APP-TA	-45.0
LWC-74	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span, 5/8" puddle welds, 6" o.c. or structural concrete	None	Min. 300 psi, min 2-inch Mearlcrete.	None	TRI-BUILT Fiberglass Base Sheet 3SQ	OMG CR Base Ply Fastener (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	(Optional) BP-AA	SBS-AA or APP-TA	-52.5

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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 (Notes 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
CWF-1.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA	(Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board.	M-OSFA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-60.0
CWF-2.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA, 6-inch o.c.	(Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board.	M-OSFA, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-90.0
CWF-3.	Existing Tectum (re-roof only)	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	OB500	Min. 0.25-inch DensDeck	OB500	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
CWF-4.	Existing Tectum (re-roof only)	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0*
CWF-5.	Tectum	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch DensDeck	Polyset BM or Polyset CRA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
CWF-6.	Tectum	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM or Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-52.5
HYBRID SYSTEMS:										
CWF-7.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA	(Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board.	M-OSFA	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
CWF-8.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA, 6-inch o.c.	(Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board.	M-OSFA, 6-inch o.c.	None	SBS-SA-H	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-90.0
CONVENTIONAL SYSTEMS:										
CWF-9.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA	Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-60.0
CWF-10.	Tectum	Min. 1.5-inch ACFoam II or H-Shield	M-OSFA, 6-inch o.c.	Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board.	M-OSFA, 6-inch o.c.	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-90.0
CWF-11.	Existing Tectum (re-roof only)	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	OB500	Min. 0.5-inch Structodek High Density Fiberboard	OB500	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
CWF-12.	Existing Tectum (re-roof only)	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*

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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 (Notes 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
CWF-13.	Tectum; 2 ft span; screws and 2" dia. plates, three (3) per panel width	Min. 1-inch ENRGY 3, H-Shield, or H-Shield CG, min. 1.3-inch ACFoam III or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5
CWF-14.	Tectum	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset BM or Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime	Polyset BM or Polyset CRA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-52.5

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
HYBRID SYSTEMS:												
CWF-15.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
CWF-16.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
CONVENTIONAL SYSTEMS:												
CWF-17.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	BP-AA	(Optional) BP-AA	SBS-AA or APP-TA	-60.0
CWF-18.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	BP-AA	(Optional) BP-AA	SBS-AA or APP-TA	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer(s) (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Ply	Cap Ply	
CWF-19.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
CWF-20.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 160 lbf)	1 per 1.8 ft²	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
CWF-21.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
CWF-22.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*

TABLE 5D: CEMENTITOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR REROOF
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:							
CWF-23.	Tectum	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-60.0
CWF-24.	Tectum	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-60.0
CONVENTIONAL SYSTEMS:							
CWF-25.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-60.0
CWF-26.	Tectum	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 77 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-67.5

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TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:									
G-1.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
G-2.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch DensDeck primed with Tropical #410 Quick Dry	M-OSFA	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
G-3.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
G-4.	Existing gypsum deck	Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch DensDeck primed with Tropical #410 Quick Dry	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-135.0
G-5.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
G-6.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
G-7.	Existing gypsum deck	One or more layer(s), min. 1-inch H-Shield or ENRGY 3, min. 1.3-inch ACFoam III or min. 1.5-inch ACFoam II, Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
G-8.	Existing gypsum deck	min. 1-inch H-Shield or ENRGY 3, min. 1.3-inch ACFoam III or min. 1.5-inch ACFoam II, Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch DensDeck primed with Tropical #410 Quick Dry	Polyset CRA	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
HYBRID SYSTEMS:									
G-9.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA, M-PG1, OB500, Polyset BM, Polyset CRA	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, Polyset BM, Polyset CRA	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-187.5
CONVENTIONAL SYSTEMS:									
G-10.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA	Min. 0.5-inch Structodek High Density Fiberboard	M-OSFA	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-127.5
G-11.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-187.5
G-12.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA	Min. 0.25-inch DensDeck	M-OSFA	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-232.5
G-13.	Existing gypsum deck	Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-202.5
G-14.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-187.5
G-15.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.5-inch Structodek High Density Fiberboard	OB500	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-120.0

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

System No.	Deck (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-16.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-135.0
G-17.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-187.5
G-18.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-187.5
G-19.	Existing gypsum deck	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
G-20.	Existing gypsum deck	One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-187.5
G-21.	Existing gypsum deck	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-225.0
G-22.	Existing gypsum deck	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	APP-TA	(Optional) APP-TA	APP-TA	-232.5
G-23.	Existing gypsum deck	Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-240.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
HYBRID SYSTEMS:												
G-24.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	None	N/A	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
G-25.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	None	N/A	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-60.0
CONVENTIONAL SYSTEMS:												
G-26.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	BP-AA	(Optional) BP-AA	SBS-AA or APP-TA	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-27.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	hot asphalt	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard	hot asphalt	BP-AA	(Optional) BP-AA	SBS-AA or APP-TA	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer(s) (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Ply	Cap Ply	
G-28.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
G-29.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 160 lbf)	1 per 1.8 ft²	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
G-30.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*
G-31.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf)	1 per 2.0 ft²	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-45.0*

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TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
SELF-ADHERING SYSTEMS:							
G-32.	Existing gypsum deck	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-60.0
G-33.	Existing gypsum deck	TRI-BUILT SA Nailbase	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 88 lbf)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA	-60.0
CONVENTIONAL SYSTEMS:							
G-34.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)	6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-60.0
G-35.	Existing gypsum deck	TRI-BUILT Fiberglass Base Sheet 3SQ	Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 100 lbf)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows	BP-AA	SBS-AA or APP-TA	-67.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
SELF-ADHERING SYSTEMS:										
R-1	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-105.0
R-2	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-105.0
R-3	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.5-inch ACFoam-HD Coverboard or H-Shield HD	M-OSFA or M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-97.5
R-4	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-142.5
R-5	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
R-6	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA or M-PG1	Min. 0.25-inch DensDeck	M-OSFA or M-PG1	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
R-7	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.5-inch ACFoam-HD Coverboard or H-Shield HD	M-OSFA or M-PG1, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-315.0
R-8	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-315.0
R-9	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1, 6-inch o.c.	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-315.0
R-10	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.5-inch H-Shield HD	M-PG1-EF-ECO	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-97.5
R-11	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 2-inch H-Shield HD Composite CG	M-PG1-EF-ECO	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-142.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
R-12	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
R-13	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch DensDeck	OB500	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-120.0
R-14	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-120.0
R-15	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
R-16	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	Min. 0.25-inch DensDeck	Polyset BM	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
R-17	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA	(Optional) SBS-SA	SBS-SA	-172.5
R-18	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	Tropical #410 Quick Dry	SBS-SA	(Optional) SBS-SA	SBS-SA	-192.5
HYBRID SYSTEMS:										
R-19	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-105.0
R-20	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-97.5
R-21	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-142.5
R-22	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	(Optional) Additional layer(s) base insulation	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-210.0

APPROVED

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
R-23	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-210.0
R-24	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-315.0
R-25	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 2-inch H-Shield HD Composite CG	M-OSFA or M-PG1, 6-inch o.c.	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-315.0
R-26	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.5-inch H-Shield HD	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-97.5
R-27	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 2-inch H-Shield HD Composite CG	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-142.5
R-28	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	(Optional) Additional layer(s) base insulation	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-210.0
R-29	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-210.0
R-30	Existing fully bonded, smooth- or granule-surface BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-120.0
R-31	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	(Optional) Additional layer(s) base insulation	Polyset BM	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-195.0
R-32	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional0 Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-195.0
R-33	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	(Optional) Additional layer(s) base insulation	Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-222.5

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

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System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
R-34	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	SBS-SA-H	(Optional) APP-TA	SBS-AA or APP-TA	-217.5
CONVENTIONAL SYSTEMS:										
R-35	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard, Min. 0.75-inch FescoBoard (homogeneous) or Min. 0.5-inch DuraBoard (homogeneous)	hot asphalt	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-105.0
R-36	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3	hot asphalt	0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-105.0
R-37	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.5-inch Structodek High Density Fiberboard	M-OSFA or M-PG1	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-165.0
R-38	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch DensDeck	M-OSFA or M-PG1	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-210.0
R-39	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime	M-OSFA or M-PG1	None	BP-AA	(Optional) BP-AA	SBS-AA	-210.0
R-40	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-210.0
R-41	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-OSFA or M-PG1, 6-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1, 6-inch o.c.	None	APP-TA	(Optional) APP-TA	APP-TA	-315.0
R-42	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime	M-PG1-EF-ECO	None	BP-AA	(Optional) BP-AA	SBS-AA	-210.0
R-43	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 2-inch ACFoam II, ENRGY 3 or H-Shield	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-210.0

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Primer	Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
R-44	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.5-inch Structodek High Density Fiberboard	OB500	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-120.0
R-45	Existing fully bonded BUR or modified bitumen roof cover	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-120.0
R-46	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	Min. 0.25-inch DensDeck	Polyset BM	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
R-47	Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset BM	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BM	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-195.0
R-48	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.5-inch Structodek High Density Fiberboard	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-180.0
R-49	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	None	BP-AA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-222.5
R-50	Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II or H-Shield	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	BP-AA or APP-TA	(Optional) BP-AA or APP-TA	SBS-AA or APP-TA	-222.5

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