NEMO|etc.
Certificate of Authorization #32455
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Oxford, CT 06478
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ENGINEER TEST CONSULT

P.E. EVALUATION REPORT (PEER)

Mule-Hide Products Co., Inc.
1195 Prince Hall Drive, Suite A
Beloit, WI 53511
(608) 365-3111

PEER-MHP-001.B.R3
FL10497-R13 (HVHZ)
Date of Issuance: 01/30/2023
Revision 3: 04/30/2024

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

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

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

This PEER consists of pages 1 through 4, plus a 67-page Appendix.

Prepared by: Digitally signed by Robert Nieminen Date: 2024.04.30 '14:42:46 -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

ROBERT NIEMINEN
NO. 59166

CERTIFICATION OF INDEPENDENCE:

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

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Modified Bitumen Roof Systems
Product Approval Method: Method 1, Option D: Codified Material, Evaluation by Engineer

Compliance Statement: Mule-Hide Modified Bitumen Roof Systems, as produced by **Mule-Hide Products Co., 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 D4601
TAS 110	Material standard	ASTM D6163
TAS 110	Material standard	ASTM D6164
TAS 110	Material standard	ASTM D6222
TAS 110	Material standard	ASTM D6509

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO	Evaluation Report	PEER-PLYG-001.B.R18	02/29/2024
NEMO	Evaluation Report	PEER-MHCRL-002.A.R9	10/04/2023
NEMO	Traceability	FBC Cross-Listing Agreement	06/26/2023
FM Approvals (TST1867)	FM 4474	PR449651	09/25/2018
FM Approvals (TST1867)	FM 4474	3060914	06/20/2019
NEMO (TST6049)	FM 4474	4a-CRL-19-LSWUS-01.A.R2	01/14/2020
NEMO (TST6049)	FM 4474	4a-CRL-19-LSWUS-02.A	03/05/2020
UL LLC (QUA9625)	Traceability	ML File No. R13850	09/23/2015
UL LLC (QUA9625)	Quality Control	Service Confirmation (FL, PA, TX)	08/16/2022
UL LLC (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **Mule-Hide Modified Bitumen Roof Systems** installed in accordance with **Mule-Hide Products Co., Inc.** published installation instructions and the Limitations of Use herein.

TABLE 1: EVALUATED MEMBRANES

TYPE	PRODUCT	MATERIAL STANDARD			PLANT(S)
		REFERENCE	TYPE	GRADE	
BASE SHEETS	F/G Base Sheet	ASTM D4601	II	N/A	AL
	G2 Base Sheet	ASTM D4601	II	N/A	AL
	Torch Base SA	ASTM D4601	II	N/A	PA
	APP Torch Base Premier	ASTM D6509	N/A	N/A	FL
APP, SMOOTH-SURFACE MEMBRANES	APP Torch Base/Cap	ASTM D6222	I	S	FL
	APP Torch S Premier	ASTM D6222	I	S	FL

TABLE 1 (CONTINUED): EVALUATED MEMBRANES

TYPE	PRODUCT	MATERIAL STANDARD			PLANT(S)
		REFERENCE	TYPE	GRADE	
APP, GRANULE-SURFACE MEMBRANES	APP Torch G	ASTM D6222	I	G	FL
	APP Torch G Premier	ASTM D6222	I	G	FL
	APP Torch G FR Premier	ASTM D6222	I	G	FL
	APP Torch KoolCap G	ASTM D6222	I	G	NV
	APP Torch KoolCap G FR	ASTM D6222	I	G	NV
	SA-APP Cap Sheet	ASTM D6222	I	G	FL, TX
	SA-APP Cap Sheet FR	ASTM D6222	I	G	TX
	SA-APP KoolCap	ASTM D6222	I	G	NV
	SA-APP KoolCap FR	ASTM D6222	I	G	NV
SBS, SMOOTH-SURFACE MEMBRANES	Nail Base	ASTM D6163	I	S	FL
	SA Base Sheet	ASTM D6163	I	S	FL, PA, TX
	SA Base Sheet FR	ASTM D6163	I	S	FL, PA, TX
SBS, GRANULE SURFACE MEMBRANES	SA-SBS Cap Sheet	ASTM D6164	I	G	FL, TX
	SA-SBS Cap Sheet FR	ASTM D6164	I	G	FL, TX
	SA-SBS KoolCap	ASTM D6164	I	G	NV
	SA-SBS KoolCap FR	ASTM D6164	I	G	NV

5. LIMITATIONS:

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

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

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

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

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

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

5.6.1 For mechanically attached components over existing roof decks, 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 assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.

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

6. INSTALLATION:

Mule-Hide Modified Bitumen Roof Systems shall be installed in accordance with **Mule-Hide Products Co., Inc.** published installation instructions, subject to the Limitations of Use noted herein.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

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

9. QUALITY ASSURANCE ENTITY:

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

- THE 67-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	6
1B	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	6
1C	Wood	New, Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	8
1D	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	8
1E	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	11
1F	Wood	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet (nails), Bonded Roof Cover	14
1G	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet (screws & plates), Bonded Roof Cover	16
2A	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	21
2B	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	27
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	31
2D	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Membrane, Bonded Roof Cover	32
3A	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	33
3B	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	46
4A	Lightweight concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	47
4B	Lightweight concrete	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	52
4C	Lightweight concrete	New or Reroof (Tear-Off)	E-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, LWC, Mechanically Attached Base Sheet, Bonded Roof Cover	55
5A	Cementitious wood fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	56
5B	Cementitious wood fiber	Reroof (Tear-Off)	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	58
5C	Cementitious wood fiber	Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	58
5D	Cementitious wood fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	59
5E	Cementitious wood fiber	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	59
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	60
6B	Existing gypsum	New, Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	62
6C	Existing gypsum	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	62
6D	Existing gypsum	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	62
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	63
7B	Various	Recover	F	Non-Insulated, Bonded Roof Cover	67

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. The table below provides reference to various as-tested deck sub-assemblies and associated maximum allowable design pressures.

Mule-Hide As-Tested Deck Attachment Details (TAS 114, Appendix J)				
Type	**Tested Span (ft o.c.)**	**Tested Fastener**	**Tested Fastener Spacing (inch o.c.)**	**As-Tested Allowable Pressure (psf)**
15/32-inch APA rated CDX plywood	2	8d ring shank nails	6	-75.0
	2	#10 wood screws	6	-90.0
	2	#10 wood screws	4	-120.0
	2	#8 wood screws	6	-127.5
	2 ft o.c., and blocked 4 ft o.c.	#10 wood screws	4	-142.5
19/32-inch APA rated CDX plywood	2	8d ring shank nails	6	-60.0
	2	#10 wood screws	6	-127.5
22 ga., Type B, Grade 33 steel	6	#12 HWH Teks 5	6	-112.5
22 ga., Type B, Grade 40 steel	6	5/8" puddle welds	6	-97.5
	6	#12 HWH Teks 5 with ¾" washers	6	-135.0

2 Fasteners shall be of sufficient length for the following engagements:

Fastener/Plate Options				
Deck Type	**By**	**FBC HVHZ**	**Parts**	**Minimum Engagement**
Wood	Altenloh, Brinck and Co. U.S., Inc.	NOA 22-1214.02	Trufast #14 HD with Trufast 3" Metal Insulation Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
	Mule-Hide	N/A	Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	
	OMG, Inc.	NOA 23-0718.03	OMG #14 Heavy Duty with OMG 3 in. Round Metal Plate	
			OMG #14 Roofgrip with OMG AccuTrac Flat Bottom	
	SFS Group USA, Inc.	NOA 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.	NOA 22-1214.02	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
	Mule-Hide	N/A	Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	
	OMG, Inc.	NOA 23-0718.03	OMG #14 Heavy Duty with OMG 3 in. Round Metal Plate	
			OMG #12 Roofgrip, #14 Roofgrip or #15 Roofgrip with OMG AccuTrac Flat Bottom	
	SFS Group USA, Inc.	NOA 22-0913.02	Dekfast DF-#12-PH3, DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3	
Structural Concrete	Altenloh, Brinck and Co. U.S., Inc.	NOA 22-1214.02	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 3" Metal Insulation Plate	Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions
	Mule-Hide	N/A	Mule-Hide HDP Fastener or Tru-Spike with Mule-Hide 3" Insulation Plate	
	OMG, Inc.	NOA 23-0718.03	OMG #14 Heavy Duty or CD-10 with OMG 3 in. Round Metal Plate	
			OMG #14 Roofgrip with OMG AccuTrac Flat Bottom	
	SFS Group USA, Inc.	NOA 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; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

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

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

INSULATION ADHESIVE REFERENCES				
BY	**FBC HVHZ**	**ADHESIVE**	**REFERENCE**	**MINIMUM RATE**
Mule-Hide	N/A	Helix Max Low-Rise Adhesive	Helix Max LRA (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
			Helix Max LRA (SPLATTER)	Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
			Helix Max LRA (RIBBON)	Continuous RIBBONS, 12-inch o.c.
		Helix Max Low-Rise Adhesive – Dual Tank	Helix Max LRA-DT (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal/square
			Helix Max LRA-DT (RIBBON)	Continuous RIBBONS, 12-inch o.c.
Dupont de Nemours	FL720	INSTA STIK Quik Set Insulation Adhesive	INSTA STIK	Continuous 0.75 to 1-inch wide RIBBONS, 12-inch o.c.
H.B. Fuller Company	NOA 21-1018.06	Millennium One Step Foamable Adhesive	M-OSFA	Continuous RIBBONS, 12-inch o.c.
		Millennium PG-1 Pump Grade Adhesive	M-PG1	Continuous RIBBONS, 12-inch o.c.
OMG, Inc.	NOA 22-0519.04	OlyBond 500 Adhesive Fastener	OB500	Continuous 0.75-inch wide RIBBONS, 12-inch o.c. (PaceCart, SpotShot or Canister)
Generic, ASTM D312, Type IV	N/A	hot asphalt		Full coverage at 25-30 lbs/square

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

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS				
ADHESIVE	**INSULATION**		**MIN. TAPERED THICKNESS (IN)**	**MDP (PSF)**
	LISTED PRODUCT	**FBC HVHZ**		
Helix Max LRA	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
M-OSFA	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
M-PG1	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
OB500	Rmax Multi-Max FA3	NOA 22-0815.03	0.5	-45.0
OB500	Poly ISO 1	N/A	0.5	-187.5
OB500	Johns Manville ENRGY 3	NOA 18-0501.05	0.5	-315.0
OB500	Poly ISO 2	N/A	0.5	-487.5

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

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

10 For 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 LWG Fasteners and LWG Plates, the number of LWG Fasteners installed through the LWG 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.

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

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

MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	**LAYER**	**MATERIAL**	**APPLICATION**
BP-AA	Base Ply	One or more plies F/G Base Sheet, G2 Base or FBC Approved ASTM D4601, Type II	Asphalt-Applied
	Ply	One or more plies FBC Approved ASTM D2178, Type IV or VI	
APP-SA	Cap Ply	SA-APP Cap Sheet, SA-APP Cap Sheet FR, SA APP KoolCap, SA APP KoolCap FR	Self-Adhering
	Note:	***Unless otherwise noted, permissible membrane substrates for APP-SA are limited to the SBS-SA Base Ply options herein, Nail Base with a poly-film top surface.***	
APP-TA	Base Ply or Ply	One or more plies APP Torch Base Premier, APP Torch S Premier, APP Torch Base/Cap	Torch-Applied
	Cap Ply	APP Torch S Premier, APP Torch G Premier, APP Torch G FR Premier, APP Torch Base/Cap, APP Torch G, APP Torch G KoolCap, APP Torch G FR KoolCap	
SBS-SA-H	Base Ply	Torch Base SA	Self-adhering (followed by torch-applied sheet)
SBS-SA	Base Ply	One or more plies SA Base Sheet (2.0mm) or SA Base Sheet FR (2.0mm)	Self-Adhering
	Cap Ply	SA-SBS Cap Sheet, SA-SBS Sheet FR	
	Note:	***Unless otherwise noted, permissible membrane substrates for SBS-SA are limited to the SBS-SA Base Ply options herein or Nail Base with a poly-film top surface.***	
SBS-TA	Base Ply or Ply	One or more plies Nail Base	Torch-Applied

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

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

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

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

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A (NOTES 6, 7, 8)	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	702 Primer, 702 LV Primer, CAV-GRIP Primer or AeroWeb	F5 Air and Vapor Barrier	Self-adhering	Helix Max LRA (RIBBONS, 12-inch o.c.)	-157.5
C-VB-2.	702 Primer, 702 LV Primer, CAV-GRIP Primer or AeroWeb	F5 Air and Vapor Barrier	Self-adhering	Helix Max LRA-DT (RIBBONS, 12-inch o.c.)	-172.5
C-VB-3.	702 Primer, 702 LV Primer, CAV-GRIP Primer or AeroWeb	F5 Air and Vapor Barrier	Self-adhering	Helix Max LRA or Helix Max LRA-DT (RIBBONS, 6-inch o.c.)	-270.0
C-VB-4.	CAV-GRIP Primer or AeroWeb	F5 Air and Vapor Barrier	Self-adhering	Helix Max LRA (FULL COVERAGE, 1 gal/square)	-427.5
C-VB-5.	ASTM D41	Carlisle SynTec SureMB 90TG or 120TG Base	Torch-applied	Helix Max LRA or Helix Max LRA-DT (RIBBON, 12-inch o.c.)	-307.5
C-VB-6.	ASTM D41	Carlisle SynTec SureMB 90TG or 120TG Base	Torch-applied	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	-495.0
C-VB-7.	121 Asphalt Primer	SA Base Sheet (2.0mm)	Self-Adhering	INSTA STIK, 12-inch o.c.	-60.0
C-VB-8.	121 Asphalt Primer	APP Torch Base Premier	Torch-applied	INSTA STIK, 12-inch o.c.	-75.0
C-VB-9.	121 Asphalt Primer	SA SBS Cap Sheet	Self-Adhering	INSTA STIK, 12-inch o.c.	-75.0
C-VB-10.	121 Asphalt Primer	APP Torch S Premier or APP Torch Base/Cap	Torch-applied	M-OSFA, M-PG-1 or OB500, 12-inch o.c.	-135.0
C-VB-11.	121 Asphalt Primer	SA-SBS Cap Sheet	Self-Adhering	M-OSFA, 12-inch o.c.	-157.5
C-VB-12.	121 Asphalt Primer	APP Torch S Premier or APP Torch Base/Cap	Torch-applied	M-OSFA, M-PG-1 or OB500, 6-inch o.c.	-185.0
C-VB-13.	121 Asphalt Primer	SA Base Sheet(2.0mm) or SA Base Sheet FR (2.0mm)	Self-Adhering	M-OSFA, M-PG-1 or OB500, 12-inch o.c.	-240.0

16A For System Types B-1, B-2, C-1, C-2, D-1 or D-2, F5 Air and Vapor Barrier may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to FM Loss Prevention Data Sheet 1-29 for design and installation recommendations and limitations.

17 The following products are interchangeable within the scope of this PEER:

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	BY	LISTED PRODUCT HEREIN	ALTERNATE	FBC HVHZ
ROOFING INSULATION	Mule-Hide	Poly ISO 1	H-Shield or H-Shield NH	NOA 19-0521.04
		Poly ISO 1-DWD	H-Shield CG or H-Shield NH	
		Poly ISO 1-HD	H-Shield HD	
		Poly ISO 2	ACFoam II	NOA 24-0215.03
	Georgia-Pacific Gypsum, LLC	DensDeck Prime	DensDeck StormX Prime Roof Board	NOA 22-1223.04
FASTENERS & PLATES	Mule-Hide	LWG Fastener	Trufast Versa-Fast Fastener	NOA 24-0227.06
		Mule-Hide Drill Point Fastener	Trufast #12 DP	
		Mule-Hide HDP Fastener	Trufast #14 HD	
		Mule-Hide EHD Fastener	Trufast #15 EHD	
		Tru-Spike Fastener	Trufast ¼” Concrete Spike	
		LWG Plate	Trufast Versa-Fast Metal Plate	
		Mule-Hide 3” Insulation Plate	Trufast 3” Metal Insulation Plate	

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 (**Note 9** and **Note 10**).

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY:										
W-1	Min. 19/32-inch APA rated CDX plywood	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	Dekfast DF-#12-PH3 with Dekfast PLT-H-2-7/8, Mule-Hide Drill Point Fastener with Mule-Hide 3" Insulation Plate	1 per 1.3 ft^2	Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-60.0
W-2	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	Min. 2-inch Poly ISO 1, Poly ISO 2, ENRGY-3, EnergyGuard Polyiso Insulation or Multi-Max FA3	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates, Mule-Hide HDP with Mule-Hide 3" Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-75.0

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

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY:												
W-3	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet or G2 Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	BP-AA	(Optional) BP-AA	APP-TA	-60.0

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

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
W-4	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet or G2 Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA, APP-TA	APP-TA	-60.0
W-5	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5) equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA, APP-TA	APP-TA	-90.0
SELF-ADHERING BASE PLY:												
W-6	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet or G2 Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-60.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:												
W-7	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet or G2 Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA-H	(Optional) SBS-TA, APP-TA	APP-TA	-60.0

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

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY:												
W-8	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base	Note 2 (#14 only)	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA, APP-TA	APP-TA	-52.5
W-9	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base	Note 2 (#14 only)	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ENRGY-3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA, APP-TA	APP-TA	-82.5

TABLE 1D: 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			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY:									
W-10	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plates	1 per 1.8 ft^2	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-45.0
W-11	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plates	1 per 1.0 ft^2	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-75.0

TABLE 1D: 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			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
W-12	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 with Dekfast PLT-H-2-7/8	1 per 1.3 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-82.5
SELF-ADHERING BASE PLY:									
W-13	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-SA	None	SBS-SA	-45.0
W-14	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-SA	None	SBS-SA	-45.0
W-15	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 1.8 ft^2	SBS-SA	(Optional when using torch-applied Cap Ply) SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0
W-16	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 1.8 ft^2	SBS-SA	(Optional when using torch-applied Cap Ply) SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0
W-17	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Poly ISO 2, ACFoam III, H-Shield or Poly ISO 1-DWD	Note 2 (#14 only)	1 per 1.6 ft^2	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
W-18	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates or Mule-Hide HDP with Mule-Hide 3" Insulation Plates	1 per 1.0 ft^2	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-60.0

TABLE 1D: 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			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
W-19	Min. 19/32" APA rated plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, ISO 95+ GL, Multi-Max FA3 or Ultra-Max	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate*	1 per 1.3 ft^2	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5*
	Note:	*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 180 lbf.							
W-20	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, ISO 95+ GL, Multi-Max FA3 or Ultra-Max	Dekfast DF-#12-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3, OMG #12 Roofgrip with OMG 3 in. Galvalume Plate (non-ribbed) or OMG AccuTrac Plate or Mule-Hide Drill-Point with Mule-Hide 3" Insulation Plate	1 per 1.3 ft^2	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5*
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
W-21	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0
W-22	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0
W-23	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates or Mule-Hide HDP with Mule-Hide 3" Insulation Plates	1 per 1.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
W-24	Min. 19/32" APA rated plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, ISO 95+ GL, Multi-Max FA3 or Ultra-Max	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate*	1 per 1.3 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5*
	Note:	*For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 180 lbf.							

TABLE 1D: 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			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
W-25	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, ISO 95+ GL, Multi-Max FA3 or Ultra-Max	Dekfast DF-#12-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3, OMG #12 Roofgrip with OMG 3 in. Galvalume Plate (non-ribbed) or OMG AccuTrac Plate or Mule-Hide Drill-Point with Mule-Hide 3" Insulation Plate	1 per 1.3 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5*

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
ASPHALT-APPLIED OR TORCH-APPLIED BASE PLY:									
W-26	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	F/G Base Sheet or G2 Base	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with AccuTrac Flat Bottom or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-52.5
W-27	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with AccuTrac Flat Bottom or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
W-28	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
W-29	min. 19/32" APA rated plywood	One or more layers, any combination	Loose-laid	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*							
W-30	Min. 19/32" APA rated plywood	One or more layers, any combination	Loose-laid	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	APP-TA	APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*							

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
W-31	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	F/G Base Sheet or G2 Base	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-75.0
W-32	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-75.0
W-33	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	APP Torch Base Premier	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-75.0
W-34	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Loose-laid	Nail Base	LWG Fastener (min. ¾” penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing **(Note 11)** shall yield MCRF > 159 lbf.*							
W-35	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Loose-laid	APP Torch Base Premier	LWG Fastener (min. ¾” penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	APP-TA	APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing **(Note 11)** shall yield MCRF > 159 lbf.*							
W-36	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	F/G Base Sheet or G2 Base	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-90.0
W-37	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-90.0
W-38	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	APP Torch Base Premier	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-90.0

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
W-39	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) SBS-TA, APP-TA	APP-TA	-90.0
W-40	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-90.0
W-41	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Loose-laid	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf.*							
W-42	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Loose-laid	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	APP-TA	APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf.*							
W-43	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	(Optional) SBS-TA, APP-TA	APP-TA	-120.0
W-44	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-120.0
SELF-ADHERING BASE PLY:									
W-45	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-52.5*
W-46	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0*

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
W-47	Min. 19/32-inch APA rated plywood	One or more layers, any combination	Loose-laid	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 199 lbf.*							
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
W-48	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-52.5*
W-49	Min. 19/32-inch APA rated CDX plywood	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-60.0*
W-50	Min. 19/32-inch APA rated plywood	One or more layers, any combination	Loose-laid	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 199 lbf.*							

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
NO BASE PLY:							
W-51	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at min. 3-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-45.0
W-52	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at min. 3-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	None	SBS-SA, APP-SA	-45.0
W-53	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB	APP Torch Base Premier	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at min. 3-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-45.0
W-54	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. in 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows	None	APP-TA	-60.0

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
W-55	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	None	SBS-SA, APP-SA	-60.0
W-56	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base, Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-67.5
W-57	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-67.5
W-58	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails.	4-inch o.c. at min. 4-inch lap and 4-inch o.c. at four (4), equally spaced, staggered center rows	None	SBS-SA, APP-SA	-97.5
W-59	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-112.5
W-60	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. *Note: Tin caps are to be primed with 121 Asphalt Primer or ASTM D41 primer.*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	None	SBS-SA, APP-SA	-112.5
TORCH-APPLIED BASE PLY:							
W-61	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-60.0
W-62	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base, Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at four (4), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
W-63	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at four (4), equally spaced, staggered center rows	APP-TA	APP-TA	-67.5
W-64	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at four (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-112.5
SELF-ADHERING BASE PLY:							
W-65	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0
W-66	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails.	4-inch o.c. at min. 4-inch lap and 4-inch o.c. at four (4), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-97.5

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
W-67	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails. *Note: Tin caps are to be primed with 121 Asphalt Primer or ASTM D41 primer.*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at four (4), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-112.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:							
W-68	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-60.0
W-69	Min. 19/32-inch APA rated CDX plywood	Nail Base	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails.	4-inch o.c. at min. 4-inch lap and 4-inch o.c. at four (4), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-97.5

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap	
NO BASE PLY:							
W-70	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG AccuTrac Flat Bottomor Mule-Hide HDP with Metal Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	APP-TA	-52.5
W-71	Min. 19/32-inch APA rated CDX plywood	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	APP-TA	-60.0
W-72	Min. 19/32-inch APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	SBS-SA, APP-SA, APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*					
W-73	Min. 19/32-inch APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*					
W-74	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-75.0
W-75	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-75.0

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap	
W-76	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 159 lbf.*					
W-77	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	None	APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 159 lbf.*					
W-78	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-90.0
W-79	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	None	APP-TA	-90.0
W-80	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-90.0
W-81	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-90.0
W-82	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 103 lbf.*					
W-83	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	None	APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* ***(Note 11)*** *shall yield MCRF > 103 lbf.*					
W-84	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	None	APP-TA	-120.0
W-85	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	None	APP-TA	-120.0
TORCH-APPLIED BASE PLY:							

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap	
W-86	Min. 19/32-inch APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG AccuTrac Flat Bottom or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
W-87	Min. 19/32-inch APA rated CDX plywood	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-60.0
W-88	Min. 19/32-inch APA rated CDX plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*					
W-89	Min. 19/32-inch APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	APP-TA	APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 199 lbf.*					
W-90	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet or G2 Base, Nail Base	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-75.0
W-91	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	Note 2	10-inch o.c. at min. 4-inch lap and 10-inch o.c. at three (3), equally spaced, staggered center rows	APP-TA	APP-TA	-75.0
W-92	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf.*					
W-93	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	9-inch o.c. at min. 2-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	APP-TA	APP-TA	-90.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 159 lbf.*					
W-94	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	F/G Base Sheet, G2 Base or Nail Base	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
W-95	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	Note 2	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced, staggered center rows	APP-TA	APP-TA	-90.0

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap	
W-96	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty (min. 1-5/8-inch long) with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
W-97	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	APP-TA	APP-TA	-90.0
W-98	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf.*					
W-99	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered center rows	APP-TA	APP-TA	-105.0
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 103 lbf.*					
W-100	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	Nail Base	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-120.0
W-101	Min. 15/32-inch (existing) or min. 19/32-inch (new) APA rated CDX plywood	APP Torch Base Premier	OMG #12 Standard Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Round Metal Plates or OMG Flat Bottom Metal Plates	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at five (5), equally spaced, staggered center rows	APP-TA	APP-TA	-120.0
W-102	Min. 19/32-inch APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 1 screws per plate in center hole*	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows	SBS-TA, APP-TA	APP-TA	-127.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf.*					
W-103	Min. 19/32-inch APA rated plywood	APP Torch Base Premier	LWG Fastener (min. ¾" penetration) with LWG Plate; 1 screws per plate in center hole*	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows	APP-TA	APP-TA	-127.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing (Note 11) shall yield MCRF > 141 lbf.*					
SELF-ADHERING BASE PLY:							
W-104	Min. 19/32-inch APA rated CDX plywood	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-52.5*
W-105	Min. 19/32-inch APA rated CDX plywood	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0*

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

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap	
W-106	Min. 19/32-inch APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* **(Note 11)** *shall yield MCRF > 199 lbf.*					
W-107	Min. 19/32-inch APA rated CDX plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 1 screws per plate in center hole* *Note: LWG Plates shall be primed with 121 Asphalt Primer or ASTM D41 primer.*	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-127.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* **(Note 11)** *shall yield MCRF > 141 lbf.*					
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:							
W-108	Min. 19/32-inch APA rated CDX plywood	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-52.5*
W-109	Min. 19/32-inch APA rated CDX plywood	Nail Base	OMG #12 Roofgrip with OMG AccuTrac Flat Bottom	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-60.0*
W-110	Min. 19/32-inch APA rated plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 2 screws per plate installed 180° into the holes of the plate, parallel to the width-direction of the sheet*	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-67.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* **(Note 11)** *shall yield MCRF > 199 lbf.*					
W-111	Min. 19/32-inch APA rated CDX plywood	Nail Base	LWG Fastener (min. ¾" penetration) with LWG Plate; 1 screws per plate in center hole* *Note: LWG Plates shall be primed with 121 Asphalt Primer or ASTM D41 primer.*	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at four (4), equally spaced center rows	SBS-SA-H	APP-TA	-127.5
	Note:	**For re-roof or recover construction, field withdrawal resistance testing* **(Note 11)** *shall yield MCRF > 141 lbf.*					

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT- OR TORCH-APPLIED BASE PLY:										
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 2, H-Shield or ENRGY 3	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 2, H-Shield or ENRGY 3	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-3.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or ENRGY 3	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 1.3 ft^2	Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-90.0
SC-4.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	<u>Insulation</u>: (Optional) Additional layer(s) base insulation <u>Coverboard</u>: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-5.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 3.2 ft^2	<u>Insulation</u>: (Optional) Additional layer(s) base insulation <u>Coverboard</u>: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-6.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with OMG 3" Galvalume Ribbons Plates	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SC-7.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener, Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-52.5
SC-8.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3” Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3” Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3” Insulation Plate	1 per 1.6 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	APP-TA	(Optional) APP-TA	APP-TA	-67.5
SC-10.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1, Poly ISO 2, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-45.0
SC-11.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-52.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SC-12.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1, Poly ISO 2, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plates or Mule-Hide HDP Fastener with Mule-Hide 3” Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Glass-Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board	M-OSFA or M-PG1	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-45.0
SC-13.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III, H-Shield or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-52.5
SC-14.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-52.5
SC-15.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1, Poly ISO 2, EnergyGuard Polyiso Insulation, ENRGY 3 or Multi-Max FA3	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with OMG 3 in. Ribbed Galvalume Plates or Mule-Hide HDP Fastener with Mule-Hide 3” Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SC-16.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III, H-Shield or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-52.5
SELF-ADHERING BASE PLY:										
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3” Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3” Insulation Plate	1 per 4.0 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3” Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3” Insulation Plate	1 per 3.2 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener, Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3” Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch Poly ISO 1-DWD or ACFoam III	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3” Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3” Insulation Plate	1 per 2.0 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) APP-TA	APP-TA	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 1.6 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA	(Optional) APP-TA	APP-TA	-67.5
SC-22.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch ACFoam III or Poly ISO 1-DWD	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
SC-23.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III, H-Shield or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch ACFoam III or Poly ISO 1-DWD	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
SC-24.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch ACFoam III or Poly ISO 1-DWD	M-PG1	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
SC-25.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam III, H-Shield or Poly ISO 1-DWD	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip (steel only), #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only), Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch ACFoam III or Poly ISO 1-DWD	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:										
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide HDP with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 3.2 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (RIBBON), Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*
SC-28.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3, OMG #12 Roofgrip, #14 Roofgrip or #15 Roofgrip with OMG 3 in. Ribbed Galvalume Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG Accutrac Plate or Mule-Hide Drill Point Fastener, Mule-Hide HDP Fastener or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard or min. 1-inch Poly ISO 1-DWD or ACFoam III	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Poly ISO 1 or Poly ISO 1-DWD	Steel: Mule-Hide Drill Point Fastener with Mule-Hide 3" Insulation Plate Concrete: Mule-Hide HDP or Tru-Spike with Mule-Hide 3" Insulation Plate	1 per 1.6 ft^2	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5

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 (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
ASPHALT- OR TORCH-APPLIED BASE PLY:									
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.75-inch JM Fesco Board (homogeneous) or min. 1.5-inch JM Fesco Board (laminated)	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch H-Shield WF	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Ribbed Galvalume Plate or AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 4.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
SC-35.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5" thick, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3, DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or PTL-R-3 or OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide Drill-Point, Mule-Hide HDP or Mule-Hide EHD with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
SC-36.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5" thick, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#12-PH3, DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or PTL-R-3 or OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide Drill-Point, Mule-Hide HDP or Mule-Hide EHD with Mule-Hide 3" Insulation Plate	1 per 2.0 ft^2	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-37.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5" thick, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3, DF-#14-PH3 or DF-#15-PH3 with Dekfast PLT-H-2-7/8 or PTL-R-3 or OMG #12 Roofgrip, #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate, 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide Drill-Point, Mule-Hide HDP or Mule-Hide EHD with Mule-Hide 3" Insulation Plate	1 per 1.6 ft^2	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-67.5

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 (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate	1 per 1.8 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-75.0
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3” Insulation Plate	1 per 1.3 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-82.5
SELF-ADHERING BASE PLY:									
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with AccuTrac Flat Bottom Plate or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0*
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA	(Optional) SBS-SA, SBS-TA or APP-TA	SBS-SA, APP-SA, APP-TA	-45.0*
SC-42.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA	None	SBS-SA	-45.0
SC-43.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA	None	SBS-SA	-45.0
SC-44.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP or Mule-Hide EHD Fasteners with Mule-Hide 3” Insulation Plate	1 per 1.8 ft^2	SBS-SA	(Optional when using torch-applied Cap Ply) SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0

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 (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
SC-45.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Mule-Hide HDP or Mule-Hide EHD Fasteners with Mule-Hide 3" Insulation Plate	1 per 1.8 ft²	SBS-SA	(Optional when using torch-applied Cap Ply) SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0
SC-46.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#14-PH3 with Dekfast PLT-R-3, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Flat Bottom Plate or Mule-Hide HDP Fastener with Mule-Hide 3" Insulation Plate	1 per 1.6 ft²	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-45.0
SC-47.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#14-PH3 with Dekfast PLT-R-3, OMG #15 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or OMG AccuTrac Flat Bottom Plate or Mule-Hide EHD Fastener with Mule-Hide 3" Insulation Plate	1 per 1.45 ft²	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-45.0
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8	1 per 2.0 ft²	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-60.0
SC-49.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	1 per 1.6 ft²	SBS-SA	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, Multi-Max FA3 or Ultra-Max	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or PLT-R-3, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or OMG AccuTrac Plate or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	1 per 1.3 ft²	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5*
SC-51.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3" Insulation Plate	1 per 1.3 ft²	SBS-SA	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
SC-52.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-H-2-7/8 or OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP or Mule-Hide EHD Fasteners with Mule-Hide 3" Insulation Plate	1 per 1.0 ft²	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-90.0

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 (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
SC-53.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 or DF-#15-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Mule-Hide HDP or Mule-Hide EHD with Mule-Hide 3” Insulation Plate	1 per 1.0 ft^2	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-97.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with AccuTrac Flat Bottom Plate or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*
SC-55.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, Dekfast DF-#14-PH3 with PLT-R-3, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate, OMG 3 in. Ribbed Galvalume Plate (Flat) or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0
SC-56.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP Fasteners with Mule-Hide 3” Insulation Plate	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8	1 per 2.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-58.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3” Insulation Plate	1 per 1.6 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 CGF, Multi-Max FA3 or Ultra-Max	Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast DF-#12-PH3 (steel only) or Dekfast DF-#14-PH3 with PLT-R-3, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or OMG AccuTrac Plate or Mule-Hide Drill Point Fastener (steel only) or Mule-Hide HDP Fastener with Mule-Hide 3” Insulation Plate	1 per 1.3 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5*
SC-60.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3 (steel only) or DF-#14-PH3 with PLT-H-2-7/8, OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG 3 in. Galvalume Plate (non-ribbed) or Mule-Hide Drill-Point (steel only) or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	1 per 1.3 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5

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 (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate	1 per 1.8 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-75.0
SC-62.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or AccuTrac Flat Bottom Plate or Mule-Hide HDP or Mule-Hide EHD Fasteners with Mule-Hide 3” Insulation Plate	1 per 1.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-90.0
SC-63.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip or #15 Roofgrip with OMG 3 in. Round Metal Plate or Mule-Hide HDP or Mule-Hide EHD with Mule-Hide 3” Insulation Plate	1 per 1.0 ft^2	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-97.5

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	
ASPHALT- OR TORCH-APPLIED BASE PLY:									
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG Flat Bottom Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	12-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*
SC-65.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	F/G Base Sheet or G2 Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG Flat Bottom Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-52.5
SC-66.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG Flat Bottom Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
SC-67.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG Flat Bottom Plates (square)	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-60.0
SC-68.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	APP Torch Base/Cap, APP Torch S Premier	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or OMG Roofgrip #14 OMG Flat Bottom Plates	12-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA APP-TA	APP-TA	-112.5

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 BASE PLY:									
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with PLT-H-2-7/8, OMG #14 Roofgrip with OMG Flat Bottom Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-52.5*
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG Flat Bottom Plates (square)	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0*
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8, OMG #14 Roofgrip with OMG Flat Bottom Plates or Mule-Hide HDP with Mule-Hide 3” Insulation Plate	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-52.5*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Nail Base	OMG #12 Roofgrip (steel only) or OMG #14 Heavy Duty with OMG Flat Bottom Plates (square)	12-inch o.c. at min. 4-inch lap and 12-inch o.c. at two (2), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-60.0*

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

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)		Base Membrane			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
ASPHALT- OR TORCH-APPLIED:									
SC-73.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination	Prelim. Attached	APP Torch S Premier	Dekfast DF-#15-PH3 with Dekfast PLT-R-2-3/8-6B	12-inch o.c. within the 5-inch wide, torch-sealed side lap	(Optional) APP-TA	APP-TA	-82.5
SC-74.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	APP Torch Base/Cap or APP Torch S Premier	Mule-Hide EHD (steel only) or Mule-Hide HDP (concrete only) with Mule-Hide 2.4” Seam Plate	12-inch o.c. within the 6-inch wide, torch-sealed side lap	(Optional) APP-TA	APP-TA	-82.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT OR TORCH APPLIED BASE PLY:										
C-1	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-157.5
C-2	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-282.5
C-3	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-282.5
C-4	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-157.5
C-5	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-187.5
C-6	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (SPLATTER)	APP-TA	(Optional) APP-TA	APP-TA	-187.5
C-7	Structural concrete	None	Min. 1-inch Poly ISO 1, ACFoam III, Poly ISO 2 or Poly ISO 1-DWD	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
C-8	Structural concrete	None	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-202.5
C-9	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5

TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-10	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	INSTA STIK	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-11	Structural concrete	None	Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
C-12	Structural concrete	None	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-202.5
C-13	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5
C-14	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	OB500	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-15	Structural concrete	None	Min. 1-inch Poly ISO 1, ACFoam III, Poly ISO 2 or Poly ISO 1-DWD	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
C-16	Structural concrete	None	Min. 1.5-inch Poly ISO 1-DWD or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-202.5
C-17	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime	M-OSFA or M-PG1	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5
C-18	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	M-OSFA or M-PG1	SBS-TA, APP-TA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-19	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-232.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-20	Structural concrete	121 Asphalt Primer	Min. 0.75-inch Fesco Board (homogeneous)	Hot asphalt	None	N/A	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-277.5
C-21	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.75-inch Fesco Board (homogeneous)	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-290.0
C-22	Structural concrete	121 Asphalt Primer	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	None	N/A	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-285.0
C-23	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD,Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-480.0
C-24	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD,Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck Prime	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-480.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-25	Structural concrete	121 Asphalt Primer	Min. 0.25-inch DensDeck Prime	Hot asphalt	None	N/A	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-510.0
SELF-ADHERING BASE PLY TO INSULATION:										
C-26	Structural concrete	None	Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-157.5
C-27	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) additional layers(s) of base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-277.5
C-28	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (FULL)	(Optional) additional layers(s) of base insulation	Helix Max LRA or Helix Max LRA-DT (FULL)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-427.5
C-29	Structural concrete	(Optional) 121 Asphalt Primer	Min. 1.5-inch Poly ISO 1 or Multi-Max FA3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
C-30	Structural concrete	None	Min. 1.5-inch Poly ISO 1	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-122.5
C-31	Structural concrete	(Optional) 121 Asphalt Primer	Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-135.0
C-32	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	INSTA STIK	Min 1.5-inch ACFoam III or Poly ISO 1-DWD	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-33	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	INSTA STIK	(Optional) additional layers of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-34	Structural concrete	None	Min. 1.5-inch, Insulfoam IX	OB500	(Optional) additional layers of base insulation	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-120.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	**Deck** (Note 1)	**Primer**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover** (Note 15)			***MDP (psf)**
			Type	**Attach** (Notes 6,7,8)	**Type**	**Attach** (Notes 6,7,8)	**Base Ply**	**Ply**	**Cap Ply**	
C-35	Structural concrete	None	Min. 1.5-inch Poly ISO 2	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-122.5
C-36	Structural concrete	None	Min. 1.5-inch ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-127.5
C-37	Structural concrete	None	Min. 1.5-inch Poly ISO 1	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-150.0
C-38	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	OB500	Min 1.5-inch ACFoam III or Poly ISO 1-DWD	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-39	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	OB500	(Optional) additional layers of base insulation	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-40	Structural concrete	None	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	OB500	None	N/A	SBS-SA	(Optional) SBS-SA	SBS-SA	-230.0
C-41	Structural concrete	None	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	OB500, 6-inch o.c.	None	N/A	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-42	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	(Optional) additional layers(s) of base insulation	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-122.5
C-43	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	M-OSFA or M-PG1	Min 1.5-inch ACFoam III or Poly ISO 1-DWD	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-44	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	M-OSFA or M-PG1	(Optional) additional layers of base insulation	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-45	Structural concrete	None	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	M-OSFA or M-PG1	None	N/A	SBS-SA	(Optional) SBS-SA	SBS-SA	-230.0
C-46	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-232.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-47	Structural concrete	None	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	M-OSFA or M-PG1, 6-inch o.c.	None	N/A	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-48	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	(Optional) additional layers(s) of base insulation	Hot asphalt	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-480.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY TO INSULATION:										
C-49	Structural concrete	None	Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-157.5
C-50	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) additional layers(s) of base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-277.5
C-51	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (FULL)	(Optional) additional layers(s) of base insulation	Helix Max LRA or Helix Max LRA-DT (FULL)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-427.5
C-52	Structural concrete	(Optional) 121 Asphalt Primer	Min. 1.5-inch Poly ISO 1 or Multi-Max FA3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5
C-53	Structural concrete	None	Min. 1.5-inch Poly ISO 1	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-122.5
C-54	Structural concrete	(Optional) 121 Asphalt Primer	Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-135.0
C-55	Structural concrete	None	Min. 1.5-inch Poly ISO 2	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-122.5
C-56	Structural concrete	None	Min. 1.5-inch ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-127.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-57	Structural concrete	None	Min. 1.5-inch Poly ISO 1	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-150.0
C-58	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	(Optional) additional layers(s) of base insulation	M-OSFA or M-PG1	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-122.5
C-59	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-232.5
C-60	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	(Optional) additional layers(s) of base insulation	Hot asphalt	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-480.0
SELF-ADHERING BASE PLY TO COVERBOARD:										
C-61	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-157.5
C-62	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) APP-TA	APP-TA	-277.5
C-63	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (RIBBON)	SBS-SA	(Optional) APP-TA	APP-TA	-282.5
C-64	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (SPLATTER)	SBS-SA	(Optional) APP-TA	APP-TA	-282.0
C-65	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-157.5

TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-66	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
C-67	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
C-68	Structural concrete	None	Min. 0.5-inch Poly ISO 1-HD	Helix Max LRA-DT (RIBBON)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-127.5
C-69	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA	SBS-SA	-157.5
C-70	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-277.5
C-71	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-72	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-73	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-112.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-74	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA (SPLATTER)	SBS-SA	(Optional) SBS-SA	SBS-SA	-112.5
C-75	Structural concrete	None	Min. 1.5-inch Multi-Max FA3	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
C-76	Structural concrete	None	Min. 1.5-inch Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-72.5
C-77	Structural concrete	None	Min. 1.5-inch, Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck, DensDeck Prime	INSTA STIK	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-120.0
C-78	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-79	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-80	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5
C-81	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	INSTA STIK	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-82	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-322.5
C-83	Structural concrete	None	Min. 1.5-inch ENRGY 3	OB500	Min. 0.25-inch DensDeck, DensDeck Prime	OB500	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-127.5

TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-84	Structural concrete	None	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	OB500	Min. 0.25-inch DensDeck, DensDeck Prime	OB500	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-150.0
C-85	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-86	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-87	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III or Insulfoam IX	OB500	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-230.0
C-88	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5
C-89	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	OB500, 6-inch o.c.	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-90	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-91	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-322.5
C-92	Structural concrete	None	Min. 1-inch Poly ISO 1 or Poly ISO 2	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-187.5
C-93	Structural concrete	None	Min. 1.5-inch ACFoam III or Poly ISO 1-DWD	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Poly ISO 1-HD or ACFoam-HD Coverboard	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-94	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III or Insulfoam IX	M-OSFA or M-PG1	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-230.0
C-95	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-232.5
C-96	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-282.5
C-97	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	M-OSFA or M-PG1, 6-inch o.c.	SBS-SA	(Optional) SBS-SA	SBS-SA	-285.0
C-98	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-322.5
C-99	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-322.5
C-100	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-350.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY TO COVERBOARD:										
C-101	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-157.5
C-102	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-277.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-103	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
C-104	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
C-105	Structural concrete	None	(Optional) Min. 0.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON) or Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-157.5
C-106	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD or Min. 1-inch Insulfoam IX	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
C-107	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (SPLATTER)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
C-108	Structural concrete	None	Min. 1.5-inch Multi-Max FA3	INSTA STIK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5
C-109	Structural concrete	None	Min. 1.5-inch, Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck, DensDeck Prime	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-120.0
C-110	Structural concrete	None	Min. 2-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-247.5
C-111	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5

TABLE 3A: STRUCTURAL CONCRETE DECKS; MIN. 2,500 PSI – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-112	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
C-113	Structural concrete	None	Min. 1.5-inch ENRGY 3	OB500	Min. 0.25-inch DensDeck, DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-127.5
C-114	Structural concrete	None	Min. 1.5-inch Poly ISO 1 or Poly ISO 2	OB500	Min. 0.25-inch DensDeck, DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-150.0
C-115	Structural concrete	None	Min. 2-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-247.5
C-116	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
C-117	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
C-118	Structural concrete	None	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-232.5
C-119	Structural concrete	None	Min. 2-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-247.5
C-120	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch DensDeck Prime	M-OSFA or M-PG1	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
C-121	Structural concrete	None	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ACFoam III	M-OSFA or M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board	M-OSFA or M-PG1	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
C-122	Structural concrete	121 Asphalt Primer	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-350.0

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)			*MDP (psf)
			Base Ply	Ply	Cap Ply	
ASPHALT- OR TORCH-APPLIED BASE PLY:						
C-123	Structural concrete	121 Asphalt Primer	BP-AA (Optional if using asphalt applied Ply)	(Optional if using asphalt applied Base) BP-AA, SBS-TA or APP-TA	APP-TA	-622.5
SELF-ADHERING BASE PLY:						
C-124	Structural concrete	121 Asphalt Primer	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-202.5
C-125	Structural concrete	121 Asphalt Primer	SBS-SA	(Optional) SBS-TA, APP-TA	APP-TA	-315.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:						
C-126	Structural concrete	121 Asphalt Primer	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-315.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CELCORE (NOA 23-0718.06):										
TORCH APPLIED BASE PLY:										
LWC-1	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
LWC-2	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
LWC-3	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
SELF-ADHERING BASE PLY:										
LWC-4	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA or APP-SA	-72.5
LWC-5	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
LWC-6	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	SBS-SA	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
LWC-7	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA or APP-TA	SBS-SA, APP-SA or APP-TA	-322.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:										

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-8	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-282.5
LWC-9	Structural concrete	Min. 390 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD, Poly ISO 2, ACFoam III, ENRGY 3, Multi-Max FA3 or Insulfoam IX	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-322.5
ELASTIZELL (NOA 23-0817.05):										
ASPHALT OR TORCH APPLIED BASE PLY:										
LWC-10	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-225.0
SELF-ADHERING BASE PLY:										
LWC-11	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch, Insulfoam IX	OB500	(Optional) Additional layers of base insulation	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-120.0
LWC-12	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch, Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-120.0
LWC-13	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-225.0
LWC-14	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-225.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:										
LWC-15	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch, Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-120.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-16	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-225.0
LWC-17	Structural concrete	Min. 200 psi, min 2-inch Range II Elastizell Lightweight Insulating Concrete.	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-225.0
PRE-EXISTENT CELLULAR LWC (NOTE 14):										
TORCH APPLIED BASE PLY:										
LWC-18	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	APP-TA	(Optional) APP-TA	APP-TA	-52.5
LWC-19	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	APP-TA	(Optional) APP-TA	APP-TA	-75.0
LWC-20	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	APP-TA	(Optional) APP-TA	APP-TA	-187.5
LWC-21	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	APP-TA	(Optional) APP-TA	APP-TA	-282.5
LWC-22	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	APP-SA-H	(Optional) APP-TA	APP-TA	-322.5
SELF-ADHERING BASE PLY:										

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-23	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-45.0
LWC-24	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-52.5
LWC-25	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	SBS-SA	(Optional) APP-TA	APP-TA	-52.5
LWC-26	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
LWC-27	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA	(Optional) APP-TA	APP-TA	-75.0
LWC-28	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
LWC-29	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
LWC-30	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-350.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-31	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-350.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:										
LWC-32	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
LWC-33	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-52.5
LWC-34	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-67.5
LWC-35	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-75.0
LWC-36	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
LWC-37	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			*MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-38	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-350.0
LWC-39	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-350.0

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

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

System No.	‡Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet (Note A below)			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
CELCORE (NOA 23-0718.06):								
ASPHALT OR TORCH APPLIED BASE PLY:								
LWC-40	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 225 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nail	9-inch o.c. at a min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	BP-AA, SBS-TA or APP-TA	APP-TA	-45.0
LWC-1	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 225 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast Twin Loc-Nail	9-inch o.c. at a min. 4-inch lap and 18-inch o.c. at two, equally spaced, staggered rows in the field of the sheet	SBS-TA or APP-TA	APP-TA	-45.0
LWC-41	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast FM-90 Base Sheet Fastener	8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-TA or APP-TA	APP-TA	-60.0
LWC-42	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	F/G Base Sheet or G2 Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	BP-AA, SBS-TA, APP-TA	APP-TA	-75.0
LWC-43	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-TA, APP-TA	APP-TA	-75.0

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

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

System No.	‡Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet (Note A below)			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
SELF-ADHERING BASE PLY:								
LWC-44	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 225 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast Twin Loc-Nail	9-inch o.c. at a min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA	SBS-SA, APP-SA, APP-TA	-45.0
LWC-45	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast FM-90 Base Sheet Fastener	8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:								
LWC-46	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 225 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast Twin Loc-Nail	9-inch o.c. at a min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA-H	APP-TA	-45.0
LWC-47	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Nail Base	Trufast FM-90 Base Sheet Fastener	8-inch o.c. at a min. 4-inch lap and 8-inch o.c. at three (3), equally spaced, staggered center rows	SBS-SA-H	APP-TA	-60.0
ELASTIZELL (NOA 23-0817.05):								
ASPHALT OR TORCH APPLIED BASE PLY:								
LWC-48	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete	F/G Base Sheet or G2 Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	BP-AA, SBS-TA or APP-TA	APP-TA	-45.0
LWC-49	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-TA or APP-TA	APP-TA	-45.0
LWC-50	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft^2	Nail Base	Trufast Twin Loc-Nails (min. 1.8-inch)	6-inch o.c. in a 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered rows in the field of the sheet	SBS-TA or APP-TA	APP-TA	-60.0
SELF-ADHERING BASE PLY:								
LWC-51	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA	SBS-SA, APP-SA, APP-TA	-45.0

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

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

System No.	‡Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet (Note A below)			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
LWC-52	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft^2	Nail Base	Trufast Twin Loc-Nails (min. 1.8-inch)	6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the field of the sheet	SBS-SA	SBS-SA, APP-SA, APP-TA	-60.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:								
LWC-53	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 3-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA-H	APP-TA	-45.0
LWC-54	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 350 psi, min. 2-inch thick Elastizell with Zell-Crete Fibers, supplemental attached with Roofgrip #21 and 3-inch plates at 1 per 8 ft^2	Nail Base	Trufast Twin Loc-Nails (min. 1.8-inch)	6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the field of the sheet	SBS-SA-H	APP-TA	-60.0
MEARLCRETE (NOA 19-0729.03):								
ASPHALT OR TORCH APPLIED BASE PLY:								
LWC-55	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete	F/G Base Sheet or G2 Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 4-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	BP-AA, SBS-TA or APP-TA	APP-TA	-52.5
LWC-56	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 4-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-TA or APP-TA	APP-TA	-52.5
SELF-ADHERING BASE PLY:								
LWC-57	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 4-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA	SBS-SA, APP-SA, APP-TA	-52.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:								
LWC-58	Min. 22 ga., type B steel at max 5 ft spans or structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete	Nail Base	Trufast FM-90 Base Sheet Fastener or OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at a min. 4-inch lap and 7-inch o.c. at two (2), equally spaced, staggered rows in the field of the sheet	SBS-SA-H	APP-TA	-52.5

TABLE 4C: DECK WITH LIGHTWEIGHT CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE E-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, LWC, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
CELCORE (NOA 23-0718.06):												
LWC-59	Min. 22 ga., Type B, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6” o.c.	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	APP Torch G Premier, torch-applied	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	F/G Base Sheet, G2 Base or Nail Base	OMG C-R Assembled Base Sheet Fastener (1.7 in.), OlyLock 1.8, Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nails (1.8 in.)	6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two (2), equally spaced center rows	(Optional) APP-TA or SBS-TA	APP-TA	-52.5
LWC-60	Min. 22 ga., Type B, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6” o.c.	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	APP Torch G Premier, torch-applied	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	F/G Base Sheet, G2 Base or Nail Base	LWG Fasteners with LWG Plates; two (2) screws per plate	6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two (2), equally spaced center rows	(Optional) APP-TA or SBS-TA	APP-TA	-60.0
PRE-EXISTENT CELLULAR LWC (NOTE 14):												
LWC-61	Min. 22 ga., Type BV, Grade 40 steel; 5 ft span; 5/8-inch puddle welds, 6” o.c.	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	APP Torch G Premier, torch-applied	Min. 410 psi, min. 2-inch thick pre-existent cellular lightweight concrete.	F/G Base Sheet, G2 Base or Nail Base	Trufast FM-90 Base Sheet Fastener Minimum withdrawal resistance of 59-lbf per Note 11.	6-inch o.c. at a min. 4-inch lap and 6-inch o.c. at two (2), equally spaced center rows	(Optional) APP-TA or SBS-TA	APP-TA	-60.0

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

System No.	Deck (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT OR TORCH APPLIED BASE PLY:									
CWF-1	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-82.5
CWF-2	Min. 2-inch Tectum Plank	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	APP-TA	(Optional) APP-TA	APP-TA	-187.5
CWF-3	Min. 2-inch Tectum Plank	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	APP-TA	(Optional) APP-TA	APP-TA	-277.5
CWF-4	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ISO 95+GL, ENRGY-3	INSTA STIK or OB500	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	INSTA STIK or OB500	BP-AA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0
CWF-5	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ISO 95+GL, ENRGY-3	INSTA STIK or OB500	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	INSTA STIK or OB500	SBS-TA or APP-TA	(Optional) SBS-TA or APP-TA	APP-TA	-45.0
SELF-ADHERING BASE PLY:									
CWF-6	Min. 2-inch Tectum Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-82.5
CWF-7	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-72.5
CWF-8	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) APP-TA	APP-TA	-82.5
CWF-9	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-82.5

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

System No.	Deck (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-10	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD or Poly ISO 1-HD-Plus or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-82.5
CWF-11	Min. 2-inch Tectum Plank	Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	(Optional) Additional layer(s) base insulation	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-277.5
CWF-12	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA	(Optional) APP-TA	APP-TA	-277.5
CWF-13	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
CWF-14	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD or Poly ISO 1-HD-Plus or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA	(Optional) SBS-SA	SBS-SA	-277.5
CWF-15	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 2,ENRGY-3	INSTA STIK or OB500	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	INSTA STIK or OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-45.0
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
CWF-16	Min. 2-inch Tectum Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-82.5
CWF-17	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-82.5
CWF-18	Min. 2-inch Tectum Plank	Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	(Optional) Additional layer(s) base insulation	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-277.5

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

System No.	Deck (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-19	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-277.5
CWF-20	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 1-DWD	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA (FULL) or Helix Max LRA-DT (FULL)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
CWF-21	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ISO 95+GL, ENRGY-3	INSTA STIK or OB500	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	INSTA STIK or OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-22	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Min. 2-inch Poly ISO 1 or Poly ISO 2	OMG Polymer GypTec with Polymer GypTec Plate or Trufast TL with Trufast TL 3 in. Plate	1 per 4.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*

TABLE 5C: CEMENTITIOUS WOOD 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	
ASPHALT OR TORCH APPLIED BASE PLY:												
CWF-23	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nail	9-inch o.c. in 4-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch Poly ISO 2, ACFoam III, Poly ISO 1,ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	BP-AA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*

TABLE 5C: CEMENTITIOUS WOOD 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	
CWF-24	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nail	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-TA or APP-TA	(Optional) SBS-TA, SBS-SA or APP-TA	SBS-SA, APP-TA, APP-SA	-45.0*
SELF-ADHERING BASE PLY:												
CWF-25	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nail	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA	(Optional) SBS-TA, SBS-SA or APP-TA	SBS-SA, SBS-SA, APP-TA, APP-SA	-45.0*
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:												
CWF-26	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nail	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III, ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
CWF-27	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Trufast Twin Loc-Nails (min. 1-inch embedment)	1 per 2.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*

TABLE 5E: CEMENTITIOUS WOOD FIBER DECKS – 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			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
CWF-28	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	F/G Base Sheet or G2 Base	Trufast Twin Loc-Nails, 1.8-inch	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
CWF-29	Existing Min. 2.5-inch Tectum Plank or Tectum LS Plank	Nail Base	Trufast Twin Loc-Nails, 1.8-inch	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*

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	
ASPHALT- OR TORCH-APPLIED BASE PLY:									
G-1	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD and/or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-237.5
G-2	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1, Poly ISO 1-DWD and/or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	APP-TA	(Optional) APP-TA	APP-TA	-187.5
SELF-ADHERING BASE PLY:									
G-3	Existing gypsum deck	Min. 1-inch Poly ISO 1, Poly ISO 1-DWD and/or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-237.5
G-4	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-72.5
G-5	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) APP-TA	APP-TA	-237.5
G-6	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA, APP-TA	SBS-SA, APP-SA, APP-TA	-187.5
G-7	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Poly ISO 1-HD, Poly ISO 1-HD-Plus	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA	(Optional) SBS-SA	SBS-SA	-237.5
G-8	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-72.5
G-9	Existing gypsum deck	Min. 1.5-inch Insulfoam IX	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA, APP-SA	-112.5
G-10	Existing gypsum deck	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-112.5

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-11	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-112.5
G-12	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch DensDeck Prime	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-72.5
G-13	Existing gypsum deck	Min. 1.5-inch Poly ISO 1, ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-202.5
G-14	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-202.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
G-15	Existing gypsum deck	Min. 1-inch Poly ISO 1, Poly ISO 1-DWD and/or min. 2-inch Poly ISO 1-HD-Composite	Helix Max LRA or Helix Max LRA-DT (RIBBON)	(Optional) Additional layer(s) base insulation	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-237.5
G-16	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-237.5
G-17	Existing gypsum deck	(Optional) Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON)	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-187.5
G-18	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
G-19	Existing gypsum deck	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-112.5
G-20	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-112.5
G-21	Existing gypsum deck	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch DensDeck Prime	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
G-22	Existing gypsum deck	Min. 1.5-inch Poly ISO 1, ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-202.5

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-23	Existing gypsum deck	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-202.5

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-24	Existing gypsum deck	F/G Base Sheet or G2 Base	Trufast FM-75 or FM-90 or Twin Loc-Nails	9-inch o.c. in 4-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows	Min. 1.5-inch Poly ISO 2, ACFoam III, Poly ISO 1,ENRGY 3 or Multi-Max FA3	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Hot asphalt	BP-AA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Ply	Cap Ply	
G-25	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Trufast Twin Loc-Nails (min. 1-inch embedment)	1 per 2.0 ft^2	(Optional if using AA Ply) BP-AA	(Optional if using AA Base) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
G-26	Existing gypsum deck	F/G Base Sheet or G2 Base	Trufast FM-75 or FM-90 or Twin Loc-Nails	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-45.0*
G-27	Existing gypsum deck	Nail Base	Trufast FM-75 or FM-90 or Twin Loc-Nails	9-inch o.c. at min. 4-inch lap and 18-inch o.c. at two (2), equally spaced, staggered center rows	(Optional) SBS-TA or APP-TA	APP-TA	-45.0*

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
ASPHALT OR TORCH APPLIED BASE PLY:									
R-1	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	APP-TA	(Optional) APP-TA	APP-TA	-167.5
R-2	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch Poly ISO 1 or Poly ISO 1-DWD	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	APP-TA	(Optional) APP-TA	APP-TA	-167.5
R-3	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-282.5
R-4	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-282.5
R-5	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-302.5
R-6	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Helix Max LRA or Helix Max LRA-DT (RIBBON, 6-inch o.c.)	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-302.5
R-7	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Multi-Max FA3	INSTA STIK	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-67.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-8	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 2 or ENRGY 3 or Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-90.0
R-9	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-127.5
R-10	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	BP-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-TA or APP-TA	APP-TA	-157.5
SELF-ADHERING BASE PLY:									
R-11	Existing, fully-adhered, asphaltic roof	(Optional if Top Layer Insulation installed) Min. 1.5-inch Multi-Max FA3	INSTA STIK	(Optional if Base Layer Insulation installed) additional layers(s) of base insulation and/or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck Prime	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-67.5
R-12	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 2, ENRGY 3 or Multi-Max FA3 or Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-72.5
R-13	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Insulfoam IX	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-SA	SBS-SA	-90.0
R-14	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Insulfoam IX	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
R-15	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-16	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-90.0
R-17	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-72.5
R-18	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch, Insulfoam IX	OB500	(Optional) additional layers of base insulation	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-120.0
R-19	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch, Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-120.0
R-20	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-127.5
R-21	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-127.5
R-22	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III or Insulfoam IX	OB500	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	OB500	SBS-SA	(Optional) SBS-SA	SBS-SA	-127.5
R-23	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch DensDeck Prime	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-72.5
R-24	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 1, , ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-157.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-25	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA	(Optional) SBS-SA, SBS-TA, APP-TA	SBS-SA, APP-SA, APP-TA	-157.5
R-26	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ACFoam III or Insulfoam IX	M-OSFA or M-PG1	Poly ISO 1-HD, ACFoam-HD Coverboard or ACFoam-HD Coverboard-FR	M-OSFA or M-PG1	SBS-SA	(Optional) SBS-SA	SBS-SA	-157.5
HYBRID SYSTEMS WITH SELF-ADHERING SBS BASE PLY:									
R-27	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 2, ENRGY 3 or Multi-Max FA3 or Insulfoam IX	INSTA STIK	Min. 0.25-inch DensDeck Prime	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
R-28	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Insulfoam IX	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-90.0
R-29	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	(Optional) additional layers(s) of base insulation	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-90.0
R-30	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 2 or ENRGY 3	INSTA STIK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	INSTA STIK	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-90.0
R-31	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3 or Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
R-32	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch, Insulfoam IX	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-120.0
R-33	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	(Optional) additional layers(s) of base insulation	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-127.5
R-34	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2 or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-127.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			*MDP (psf)A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-35	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch DensDeck Prime	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-72.5
R-36	Existing, fully-adhered, asphaltic roof	Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	(Optional) additional layers(s) of base insulation	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-157.5
R-37	Existing, fully-adhered, asphaltic roof	(Optional) Min. 1.5-inch Poly ISO 1, Poly ISO 2, ENRGY 3 or Multi-Max FA3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA-H	(Optional) SBS-TA or APP-TA	APP-TA	-157.5

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

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

System No.	Substrate (Note 1, Note 12)	Primer	Roof Cover (Note 15)			*MDP (psf)A
			Base Ply	Ply	Cap Ply	
R-38	Existing fully-adhered, granule-surfaced modified bitumen	None	(Optional) APP Torch S Premier, torch-applied	(Optional) APP Torch S Premier, torch-applied	APP-TA	-362.5
R-39	Existing fully-adhered, granule-surfaced modified bitumen	121 Asphalt Primer	(Optional) APP Torch S Premier, torch-applied	(Optional) APP Torch S Premier, torch-applied	APP-TA	-445.0