

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	6
1B	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	7
1C	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	7
1D	Wood	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	9
1E	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	10
1F	Wood	New, Reroof (Tear-Off), Recover	D-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	10
1G	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	11
1H	Wood	New, Reroof (Tear-Off), Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	11
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12
2B	Steel or structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	14
2C	Steel or structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	22
2D	Steel	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	24
2E	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	27
2F	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Base Ply, Bonded Roof Cover	38
2G	Steel	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	39
2H	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	42
2I	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	47
2J	Steel	New, Reroof (Tear-Off), Recover	D-3	Insulated, Mechanically Attached and Induction Welded Roof Cover	47
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	49
3B	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	65
3C	Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	66
3D	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	68
4A	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	69
4B	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	71
4C	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	72
4D	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	75
5A	Cementitious wood fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	77
5B	Cementitious wood fiber	New, Recover	F	Non-Insulated, Bonded Roof Cover	79
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	80
6B	Existing gypsum	Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	81
6C	Existing gypsum	Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	83
6D	Existing gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	83
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	84
7B	Various	Recover	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	89
7C	Steel	Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	92
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	92
7E	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	93
7F	Various	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	94
7G	Various	Recover	F-1	Non-Insulated, Bonded Roof Cover	95
7H	Various	Recover	F-2	New LWC over Existing Roof, Bonded Roof Cover	96
8A/8B	Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Verisco roof systems				97

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.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft span attached with 5/8-inch diameter puddle welds spaced 6” o.c., with deck side laps secured max. 24” o.c. w/ ¼”-14x1” long self-tapping hex-head screws, may be used for roof assemblies over steel deck up to a maximum design pressure of -60.0 psf. This does not preclude Note 1 above.
 - Tables 8A and 8B provide guidance / limitations associated with use of fasteners from Hilti, Inc. to secure steel decking to structural members
- 2 Unless otherwise noted, fasteners and stress plates shall be as follows. Fastener shall be of sufficient length for the following engagements:

FASTENER/PLATE OPTIONS			
DECK TYPE	BY	PARTS	MINIMUM ENGAGEMENT
Wood	Verisco	HPV Fastener with HPV Insulation Fastening Plate	Minimum ¼-inch plywood penetration or minimum 1-inch wood plank embedment
Steel	Verisco	HPV Fastener with HPV Insulation Fastening Plate	Minimum ¼-inch steel penetration and engage the top flute of the steel deck
Structural Concrete	Verisco	MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with HPV Insulation Fastening Plate	Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer’s published installation instructions

- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with [Testing Application Standard](#) TAS 105 and [Roofing Application Standard](#) RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5 Preliminary insulation attachment: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four per 4 x 8 ft board or minimum two per 4 x 4 ft board. For systems where a vapor barrier is installed, refer to Table 6 of [FM Loss Prevention Data Sheet 1-29](#). For systems where no vapor barrier is installed, Versico Insultite may be used in place of HPV Fastener for preliminary attachment purposes over wood and steel deck.
- 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.
 - 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.
 - “FULL” or “SPLATTER” applications may be used wherever “RIBBON” is referenced for insulation securement.

INSULATION ADHESIVE REFERENCES			
ADHESIVE	METHOD	REFERENCE	MINIMUM RATE
Flexible DASH	full-coverage	Flexible DASH (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible DASH	splatter-applied	Flexible DASH (SPLATTER)	Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
Flexible DASH	ribbon-applied	Flexible DASH (RIBBON)	Continuous ribbons, 12-inch o.c.
Flexible DASH Dual-Tank	full-coverage	Flexible DASH DT (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible DASH Dual-Tank	splatter-applied	Flexible DASH DT (SPLATTER)	Splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)

INSULATION ADHESIVE REFERENCES			
ADHESIVE	METHOD	REFERENCE	MINIMUM RATE
Flexible DASH Dual-Tank	ribbon-applied	Flexible DASH DT (RIBBON)	Continuous ribbons, 12-inch o.c.
Verisco OlyBond 500 BA	ribbon-applied	OB500	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)

- 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 OR NOA		
Flexible DASH	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
OB500	Any polyisocyanurate listed with adhesive herein	Various	0.5	-187.5

- 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.
- 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			
MEMBRANE	ADHESIVE	APPLICATION	RATE
VersiWeld or VersiWeld HS	Aqua Base 120 Bonding Adhesive (Aqua Base 120)	Contact (both sides)	0.42 gal/square per surface [0.84 gal/square (120 ft ² /gal) finish]
VersiWeld	Cav-Grip 3V Adhesive/Primer (Cav-Grip 3V A/P)	Contact (both sides)	0.225 gal/square per surface [0.45 gal/square (222 ft ² /gal) finish]
VersiWeld or VersiWeld HS	Low VOC Bonding Adhesive (LVOC BA)	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
VersiWeld or VersiWeld HS	G200SA Yellow Substrate Adhesive	Contact (both sides)	0.83 gal/square per surface [1.66 gal/square (60 ft ² /gal) finish]
VersiWeld or VersiWeld HS	VersiWeld Bonding Adhesive	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
VersiFleece TPO	Aqua Base 120 Bonding Adhesive	Wet lay (substrate)	0.83 gal/square (120 ft ² /gal)
VersiFleece TPO	HydroBond Water-Based Adhesive (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square (100 to 133 ft ² /gal)
VersiFleece TPO	Flexible DASH	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square or continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
VersiFleece TPO	Flexible DASH Dual-Tank (Flexible DASH DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square, continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
VersiFleece AC TPO	Verisco Cold Applied Adhesive (V-CAA)	Wet lay (substrate)	1.5 gal/square
VersiFleece AC TPO	Hot asphalt	Wet lay (substrate)	25 lbs/square
VersiFleece RL™	VELCRO® Brand Securable Solutions	Only for use over VersiCore RL or SecurShield HD RL substrates. Roof cover is broomed into place and rolled with 150 lb roller to establish contact.	

15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.

15B For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.

15C For System Types A-1, A-2, B-1, B-2 or C-1 involving VersiWeld adhered in Cav-Grip 3V Adhesive/Primer over SecurShield, SecurShield HD, SecurShield HD Plus, G-P Gypsum “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation.

15D For System Types C-2, D-1 or D-2, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation. For System Type C-2, do not contaminate the induction weld stress plate with primer.

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

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

STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6, 7 & 8)	MDP (PSE)*
		TYPE	APPLICATION		
C-VB-1.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Verisco 725TR	Self-adhering	Flexible DASH (RIBBON)	-157.5
C-VB-2.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Verisco 725TR	Self-adhering	Flexible DASH DT (RIBBON)	-172.5
C-VB-3.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Verisco 725TR	Self-adhering	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-270.0
C-VB-4.	CAV-GRIP Primer or Cav-Grip 3V A/P	Verisco 725TR	Self-adhering	Flexible DASH (FULL COVERAGE, 1 gal/square), Flexible DASH (SPLATTER) or Flexible DASH DT (SPLATTER)	-427.5

STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION						
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6, 7 & 8)	MDP (PSF)*	
		TYPE	APPLICATION			
C-VB-5.	ASTM D41	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base		Hot asphalt	Hot asphalt at 25 lbs/square	-172.5
C-VB-6.	ASTM D41	SureMB 90TG or 120TG Base		Torch-applied	Hot asphalt at 25 lbs/square	-180.0
C-VB-7.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base		Versico Cold Applied Adhesive, 1-inch ribbons, 12-inch o.c.	Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	-180.0
C-VB-8.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base		Versico Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c.	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-255.0
C-VB-9.	ASTM D41	SureMB 90TG or 120TG Base		Torch-applied	Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	-307.5
C-VB-10.	ASTM D41	SureMB 90TG or 120TG Base		Torch-applied	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-495.0

16B Tectum Decks: The lesser of the MDP listings below vs. that for the selected assembly applies.

TECTUM PLANK DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION						
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 5A (NOTES 6, 7 & 8)	MDP (PSF)	
		TYPE	APPLICATION			
CWF-VB-1.	Cav-Grip 3V Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply or Verisco 725TR		Self-adhering	Flexible DASH (FULL or SPLATTER) or Flexible DASH Dual-Tank (FULL or SPLATTER)	-350.0

17 For System Types B-1, B-2, C-1, C-2, D-1 or D-2, Verisco 725TR or VapAir Seal MD 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 limitations.

18 The following products are interchangeable within the scope of this PEER.

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	BY	LISTED PRODUCT HEREIN	ALTERNATE	FBC OR NOA
MEMBRANE	Verisco	VersiWeld	VersiWeld Plus and VersiWeld HS	FL16443
		VersiFleece TPO	Includes 100, 115 and 135	
		VersiFleece AC TPO	Includes AC TPO 120, AC TPO 135 and AC TPO 155	
ADHESIVES	Verisco	OB500	OMG OlyBond 500 Adhesive Fastener	NOA 22-0519.04
ROOFING INSULATION	Verisco	VersiCore	VersiCore NH, H-Shield, H-Shield NH	NOA 19-0521.04
		SecurShield	SecurShield NH, H-Shield CG, H-Shield CG NH	
		SecurShield HD	SecurShield HD NH, H-Shield HD, H-Shield HD NH	
		SecurShield HD Plus	SecurShield HD Plus NH, H-Shield HD90, H-Shield HD90 NH	
		SecurShield HD Composite	H-Shield HD Composite	
	DuraFaceR	H-Shield NB		
	Georgia-Pacific Gypsum, LLC	DensDeck Prime	DensDeck StormX Prime Roof Board	NOA 22-1223.04

19 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and [Roofing Application Standard](#) RAS 128 for determination of design wind loads. [\(Notes 9 and 10\)](#)

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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
W-1.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
W-2.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):								
W-3.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
W-4.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-5.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
VERSIFLEECE RL™ APPLICATIONS:								
W-6.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)			Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply		
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):										
W-7.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0	
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:										
W-8.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt, Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-60.0	

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:							
W-9.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
W-10.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0
W-11.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiWeld / Cav-Grip 3V A/P or LVOC BA	-45.0*
W-12.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACfoam II, VersiCore, SecurShield or ENRGY 3	Note 2	1 per 2.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach		
W-13.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 2-inch VersiCore, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
W-14.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
W-15.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5
W-16.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):							
W-17.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-18.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
W-19.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-20.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 2-inch VersiCore, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-21.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-22.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach		
W-23.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Versiwool Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	Versiwool TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
W-24.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 6 ft ² (2 x 3 ft grid pattern)	Versiwool or Versiwool Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0*
W-25.	Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Versiwool or Versiwool Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
W-26.	Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	6-inch o.c. in rows 60-inch o.c.	Versiwool or Versiwool Plus induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
W-27.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Versiwool or Versiwool Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
W-28.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² (2 x 3 ft grid pattern)	Versiwool or Versiwool Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0*
W-29.	Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Versiwool or Versiwool Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
W-30.	Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	Versiwool or Versiwool Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
W-31.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Versiwool or Versiwool Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-67.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-32.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.	One or more layers, any combination	Prelim. Attach	VersiWeld, min. 60-mil or VersiFleece FR TPO	HPV-X Fastener with HPV-X Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-33.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span, 8d ring shank nails, 6" o.c.	One or more layers, any combination	Prelim. attach	VersiWeld, min. 60-mil	HPV-XL Fastener with HPV-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-34.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.	One or more layers, any combination	Prelim. attach	VersiFleece FR TPO	HPV-XL Fastener with HPV-XL Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-35.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails 6-inch o.c. in the field; #10 ring shank nails 4-inch o.c. at the perimeter	One or more layers, any combination	Prelim. attach	VersiWeld	HPV-X Fastener with HPV-X Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
W-36.	Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails 6-inch o.c. in the field; #10 ring shank nails 4-inch o.c. at the perimeter	One or more layers, any combination	Prelim. attach	VersiWeld	HPV-X Fastener with HPV-X Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-67.5

**TABLE 1F: 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 (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 11)	Attach	Membrane	Adhesive	
W-37.	Min. 19/32-inch plywood; 2-ft span; #10 x 2-inch wood screws, 6-inch o.c.	One or more layers, any combination	Loose-laid	Atlas Summit Synthetic Underlayment	Versico Insultite and Versico Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	VersiWeld QA TPO	Self-adhered	-120.0

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

System No.	Deck (Note 1)	Thermal Barrier		Roof Cover (Note 15)						MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-38.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.	(Optional) Any approved thermal barrier	Loose-laid	VersiWeld, min. 60-mil or VersiFleece FR TPO	HPV-X Fastener with HPV-X Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-39.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span, 8d ring shank nails, 6" o.c.	(Optional) Any approved thermal barrier	Loose-laid	VersiWeld, min. 60-mil	HPV-XL Fastener with HPV-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-40.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.	(Optional) Any approved thermal barrier	Loose-laid	VersiFleece FR TPO	HPV-XL Fastener with HPV-XL Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-41.	Code compliant sheathing over nominal No. 2 wood trusses; 2 ft span	(Optional) Any approved thermal barrier	Loose-laid	VersiWeld or VersiFleece FR TPO	HPV-X Fastener with HPV-X Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam) installed through wood sheathing to engage structural members	6-inch o.c.	5.5-inch	48-inch o.c. (over structural members)	1.5-inch outside	-75.0

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

System No.	Deck (Note 1)	Thermal Barrier		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 11)	Attach	Membrane	Adhesive	
W-42.	Min. 19/32-inch plywood; 2-ft span; #10 x 2-inch wood screws, 6-inch o.c.	(Optional) Any approved thermal barrier	Loose-laid	Atlas Summit Synthetic Underlayment	Versico Insultite and Versico Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	VersiWeld QA TPO	Self-adhered	-120.0

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:									
SC-1	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-52.5
SC-2	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-75.0
SC-3	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield, SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA or VersiWeld BA	-82.5
SC-4	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-82.5
SC-5	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-82.5
SC-6	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	None	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiWeld	Cav-Grip 3V A/P or VersiWeld BA	-105.0
VERSIWELD TPO MEMBRANE APPLICATIONS (FULL BOND):									

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
SC-7	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-8	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-82.5
SC-9	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-10	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	None	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-105.0
VERSIFLEECE RL™ APPLICATIONS:									
SC-11	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFleece RL™		-82.5
SC-12	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™		-82.5
SC-13	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	None	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL™		-105.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
SC-14	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-15	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam IX	Note 2	1 per 2.0 ft ²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-16	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-45.0
SC-17	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-52.5
SC-18	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or G200SA YSA	-52.5
SC-19	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-60.0
SC-20	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-21	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-67.5
SC-22	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-75.0
SC-23	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld / G200SA YSA	-75.0
SC-24	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-82.5
SC-25	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-82.5
SC-26	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-82.5
SC-27	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-90.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-28	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-112.5
SC-29	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA	-135.0
SC-30	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-31	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	OB500	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-32	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck, DensDeck Prime	OB500	VersiWeld / Aqua Base 120 or VersiWeld BA	-45.0*
SC-33	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	VersiWeld / Cav-Grip 3V A/P	-45.0*
SC-34	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-35	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	Additional layers of base insulation	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-36	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	OB500	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-37	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck, DensDeck Prime	OB500	VersiWeld / Aqua Base 120 or VersiWeld BA	-45.0*
SC-38	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	VersiWeld / Cav-Grip 3V A/P	-45.0*
SC-39	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-40	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-41	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):								
SC-42	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3, or AC Foam II	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-43	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	Min. 1.5-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-44	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	Min. 1-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-45	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-46	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
SC-47	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam IX	Note 2	1 per 2.0 ft ²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-48	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-49	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-50	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-51	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-52	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-53	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
SC-54	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-55	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-56	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-57	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-58	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-59	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-60	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-61	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-62	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation or minimum 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-63	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-64	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-65	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-66	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-67	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-90.0
SC-68	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-112.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-69	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-70	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-135.0
VERSIFLEECE RL™ APPLICATIONS:								
SC-71	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL or SPLATTER)	VersiFleece RL™	-45.0*
SC-72	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL™	-52.5
SC-73	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL™	-82.5
SC-74	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL™	-112.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):									
SC-75	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	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	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base / US Ply Duraflex 901 Premium SBS Modified Adhesive	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-76	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	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	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-77	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 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	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-75.0
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:									
SC-78	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-45.0*
SC-79	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
SC-80	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-45.0*
SC-81	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-45.0*
SC-82	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-45.0*
SC-83	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-45.0*
SC-84	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-60.0

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:												
SC-85	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-86	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-87	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-52.5
SC-88	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5
SC-89	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH 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 or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5
VERSI FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):												

TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-90	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-91	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-45.0*
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):												
SC-92	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-93	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-94	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Verisco 725TR, self-adhering	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-52.5
SC-95	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-96	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
VERSIFLEECE RL™ APPLICATIONS:												
SC-97	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	VersiFleece RL™	-67.5

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-98	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™	-67.5

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:							
SC-99	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 5.3 ft ²	VersiWeld / VersiWeld BA	-45.0*
SC-100	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Versico Insultite with SecurFAST Insulation Fastening Plate	1 per 4.0 ft ²	VersiWeld / VersiWeld BA	-45.0*
SC-101	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-102	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 3.2 ft ²	VersiWeld / VersiWeld BA	-45.0*
SC-103	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	HP Fastener with Insulation Fastening Plate	1 per 3.2 ft ²	VersiWeld / VersiWeld BA	-45.0*

**TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-104	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-105	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-106	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-107	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.50-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-108	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-109	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-110	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Trufast SIP LD Fastener	1 per 2.7 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-111	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 3.6 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-112	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld BA	-45.0*
SC-113	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld BA	-45.0*

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-114	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 VersiCore, SecurShield	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-115	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 SecurShield HD Composite	Note 2	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-116	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. 2.0-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld BA	-45.0*
SC-117	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 4.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-118	Min. 22 ga., type B, Grade 40 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-45.0
SC-119	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield, loose laid	Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Steel: Versico Insultite with AccuTrac Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate	1 per 2.9 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-45.0*
SC-120	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 2.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-121	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 4.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
SC-122	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-52.5
SC-123	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiWeld / Aqua Base 120	-52.5

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-124	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 1.8 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
SC-125	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-60.0
SC-126	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
SC-127	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5
SC-128	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft ²	VersiWeld / VersiWeld BA	-67.5
SC-129	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-75.0
SC-130	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3	Note 2	1 per 1.6 ft ²	VersiWeld / VersiWeld BA	-75.0
SC-131	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P	-75.0
SC-132	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0
SC-133	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-134	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P or LVOC BA	-75.0
SC-135	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-82.5
SC-136	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P	-82.5
SC-137	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	HP Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	VersiWeld / VersiWeld BA	-97.5
SC-138	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.0 ft ²	VersiWeld / VersiWeld BA	-97.5
SC-139	Min. 20 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-112.5
SC-140	Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-112.5
SC-141	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 1.3 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA or LVOC BA	-112.5
SC-142	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch SecurShield HD Composite	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-112.5
SC-143	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-112.5
SC-144	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-120.0

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-145	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P or LVOC BA	-127.5
SC-146	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-127.5
SC-147	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W	Min. 2-inch VersiCore or SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P or VersiWeld BA	-127.5
SC-148	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W	Min. 2-inch SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiWeld / LVOC BA	-127.5
SC-149	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P or LVOC BA	-127.5
SC-150	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W	Min. 2.5-inch SecurShield HD Composite	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-150.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):							
SC-151	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-152	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-153	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch SecurShield HD Composite	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-154	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):							

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-155	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-156	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch VersiCore, SecurShield	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-157	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 VersiCore, SecurShield	Note 2	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-158	Min. 22 ga., type B, Grade 40 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch VersiCore	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
SC-159	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-160	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch VersiCore, SecurShield	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-161	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 SecurShield HD Composite	Note 2	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-162	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-163	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-164	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-165	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.50-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-166	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-167	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-168	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-169	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-170	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 4.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-171	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield, loose laid	Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Steel: Versico Insultite with AccuTrac Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate	1 per 2.9 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-172	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-173	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-174	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-175	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with SecurFast Insulation Fastening Plate Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	VersiFleece TPO / DASH DT or Flexible DASH DT (FULL)	-60.0
SC-176	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 1.8 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-177	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-178	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-179	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-180	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-181	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-182	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-82.5

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-183	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ² (Verisco A-27F)	VersiFleece TPO / Aqua Base 120, HydroBond WB	-82.5
SC-184	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	0.5-inch DuraStorm VSH	Steel: Insultite and and HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-185	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-186	Min. 20 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-187	Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-188	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete	Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 1.3 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-189	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W	Min. 2-inch SecurShield HD Composite	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-190	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Min 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-191	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W	Min. 2-inch VersiCore or SecurShield	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-192	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-135.0

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-193	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 19/32-inch APA rated plywood	Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-194	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-195	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	0.5-inch DuraStorm VSH	Steel: Insultite and and HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece TPO (min. 60-mil) / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-196	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W	Min. 2.5-inch SecurShield HD Composite	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-150.0
SC-197	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	VersiFleece TPO / Flexible DASH DT (FULL)	-157.5
VERSIWELD QA TPO MEMBRANE APPLICATIONS:							
SC-198	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch Insulfoam SP	Note 2	1 per 2.0 ft ²	VersiWeld QA TPO, self-adhered	-45.0*
SC-199	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min 19/32-inch APA rated plywood	Note 2	1 per 2.0 ft ²	VersiWeld QA TPO, self-adhered	-45.0*
SC-200	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch VersiCore, SecurShield	Note 2	1 per 2.0 ft ²	VersiWeld QA TPO, self-adhered	-45.0*
SC-201	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch VersiCore, SecurShield	Note 2	1 per 1.6 ft ²	VersiWeld QA TPO, self-adhered	-60.0
VERSI FLEECE RL™ APPLICATIONS:							

TABLE 2E: 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	Fastener (Note 2, Note 11)	Attach		
SC-202	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch VersiCore RL	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	VersiFleece RL™	-45.0*
SC-203	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min., 1.5-inch VersiCore, SecurShield, loose-laid	Min. 0.5-inch SecurShield HD RL	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	VersiFleece RL™	-45.0*
SC-204	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch VersiCore RL	Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFleece RL™	-75.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE PLY, 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	Fastener (Note 2, Note 11)	Attach	Base Ply	Top Ply	
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:								
SC-205	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-67.5
SC-206	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-75.0
SC-207	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-75.0
SC-208	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Versico Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-120.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
SC-209	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
SC-210	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-211	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tekes 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-212	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-213	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-214	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination. Note C.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft ² (10 parts per 4 x 8 ft board)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-215	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
SC-216	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination. Note C.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4 x 8 ft board)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
SC-217	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination. Note C.	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-97.5
SC-218	Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	12-inch o.c. in rows 60-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-219	Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tek 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	6-inch o.c. in rows 120-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-220	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	6-inch o.c. in rows 60-inch o.c.	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
SC-221	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-222	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-223	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-224	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-225	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-226	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-227	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Verisco Insultite or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-228	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-229	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tekes 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Verisco Insultite or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
SC-230	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tekes 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-231	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tekes 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Verisco Insultite or SFS Dekfast DF-#12-PH3 DP with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-232	Min. 22 ga., type B, Grade 80 steel, 6 ft span, SD5-#12-HW5/16 Fastener with 3/4" washers, 6" o.c.	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-233	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-234	Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-235	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tekes 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
SC-236	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tekes 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Verisco Insultite or SFS Dekfast DF-#12-PH3 DP with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	<p>A. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs.</p> <p>B. The plate/fastener combination offset 12 inch from adjacent rows.</p> <p>C. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs and each row of insulation is staggered by 1 foot.</p>					

**TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
BARE-BACK MEMBRANE APPLICATIONS:										
SC-237	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-45.0
SC-238	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-XL Fastener with HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-239	Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-240	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-241	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. nominal 60-mil) or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-242	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-XL Fastener with HPV-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-243	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-244	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0

TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-245	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5 fasteners, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	12-inch o.c.	5-inch	67-inch o.c.	1.5-inch outside	-45.0
SC-246	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-45.0
SC-247	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. nominal 60-mil) or VersiWeld Plus	HPV-X Fastener with HPV-X Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-248	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-249	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-250	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. nominal 60-mil) or VersiWeld Plus	HPV-XL Fastener with HPV-XL Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5
SC-251	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. 60-mil) or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5

TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-252	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-253	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-254	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-255	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-256	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-257	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. Attach	VersiWeld (min. 60-mil) or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	6-inch o.c.	5.5-inch	139.5-inch o.c.	1.5-inch outside	-60.0
SC-258	Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. nominal 60-mil) or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0

**TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-259	Recover only: Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-260	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-XL Fastener with HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-261	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-262	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-263	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-60.0
SC-264	Recover only: Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0
SC-265	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld HS	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0
SC-266	Min. 22 ga., type B, 55 ksi steel, 6 ft span, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick cellular lightweight concrete	N/A	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only) or MP 14-10 (concrete only) with HPV-X Plate (through to engage structural deck)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-67.5

TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-267	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-268	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-269	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	9-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-75.0
SC-270	Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5
SC-271	Min. 22 ga., type B, Grade 33 steel, 5 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5
SC-272	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-90.0
SC-273	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Trufast #15 EHD Fastener (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-112.5
VERSI FLEECE TPO APPLICATIONS:										
SC-274	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiFleece TPO	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0

TABLE 2I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)

System No.	Deck	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
SC-275	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
SC-276	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
SC-277	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0
SC-278	Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

TABLE 2J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-3: INSULATED, MECHANICALLY ATTACHED AND INDUCTION WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A, Note 15B)									MDP (psf)	
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	In-Lap Fastening					Induction Weld Fastening			
						Stress Plate	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	Stress Plate	Spacing		Roof Cover Securement
SC-279	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c.	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	VersiWeld (min. 60-mil) or VersiWeld Plus	HPV-X Fastener	HPV-X Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	RhinoBond Plate-TPO	One (1) row beneath the roof cover and between the laps, 12-inch o.c.	induction welded with RhinoBond tool	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
C-1.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120 BA	-45.0
C-2.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120 BA	-45.0
C-3.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120 BA	-157.5
C-4.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120 BA	-45.0
C-5.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120 BA	-45.0
C-6.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-7.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-352.5
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-277.5
C-9.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	VersiWeld	Cav-Grip 3V A/P	-352.5
C-10.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-11.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-232.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-12.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-13.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-14.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-187.5
C-15.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-127.5
C-16.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiWeld	Cav-Grip 3V A/P	-397.5
C-17.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-18.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-397.5
C-19.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-277.5
C-20.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	Cav-Grip 3V A/P	-397.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-21.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiWeld	Cav-Grip 3V A/P	-390.0
C-22.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-23.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-352.5
C-24.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-277.5
C-25.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	Cav-Grip 3V A/P	-352.5
C-26.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-157.5
C-27.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P	-187.5
C-28.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5
C-29.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-30.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-127.5
C-31.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5
C-32.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-127.5
C-33.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiWeld	LVOC BA	-397.5
C-34.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5
C-35.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	LVOC BA	-397.5
C-36.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-277.5
C-37.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	LVOC BA	-397.5
C-38.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiWeld	LVOC BA	-390.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-39.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5
C-40.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	LVOC BA	-352.5
C-41.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-277.5
C-42.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	LVOC BA	-352.5
C-43.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	LVOC BA	-157.5
C-44.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-45.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	VersiWeld	VersiWeld BA	-352.5
C-46.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-277.5
C-47.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH (FULL)	VersiWeld	VersiWeld BA	-352.5
C-48.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-49.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-232.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-50.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON or SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible DASH (RIBBON)	VersiWeld	VersiWeld BA	-67.5
C-51.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-52.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-53.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-187.5
C-54.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-127.5
C-55.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiWeld	VersiWeld BA	-397.5
C-56.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-57.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	VersiWeld BA	-397.5
C-58.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-277.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-59.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	VersiWeld BA	-397.5
C-60.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiWeld	VersiWeld BA	-390.0
C-61.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-62.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiWeld	VersiWeld BA	-352.5
C-63.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-277.5
C-64.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiWeld	VersiWeld BA	-352.5
C-65.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-157.5
C-66.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	VersiWeld BA	-187.5
C-67.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld	Cav-Grip 3V A/P, VersiWeld BA, LVOC BA	-120.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-68.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	VersiWeld	Aqua Base 120	-127.5
C-69.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck or DensDeck Prime	OB500	VersiWeld	Aqua Base 120	-127.5
C-70.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	VersiWeld	VersiWeld BA	-150.0
C-71.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	OB500	(Optional) Additional layers of base insulation	OB500	VersiWeld	Cav-Grip 3V A/P	-150.0
C-72.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck or DensDeck Prime	OB500	VersiWeld	VersiWeld BA	-150.0
C-73.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	VersiWeld	Cav-Grip 3V A/P	-150.0
C-74.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	OB500	(Optional) Min. 0.5-inch base insulation	OB500	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-157.5
C-75.	Min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld	Cav-Grip 3V A/P, VersiWeld BA or Aqua Base 120	-247.5
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):								
C-76.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
C-77.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-78.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
C-79.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
C-80.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
C-81.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5
C-82.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-83.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-277.5
C-84.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-85.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH (FULL)	-390.0
C-86.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5
C-87.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-88.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-277.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-89.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-90.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH (FULL)	-390.0
C-91.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-127.5
C-92.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5
C-93.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-94.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-277.5
C-95.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-397.5
C-96.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH (FULL)	-390.0
C-97.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-127.5
C-98.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-390.0
C-99.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-100.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5
C-101.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-352.5
C-102.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-277.5
C-103.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-352.5
C-104.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-112.5
C-105.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-157.5
C-106.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH (FULL)	-187.5
C-107.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-108.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-109.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-277.5
C-110.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-111.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH DT (FULL)	-390.0
C-112.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-113.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-114.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-277.5
C-115.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-116.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH DT (FULL)	-390.0
C-117.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-118.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-187.5
C-119.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-120.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-121.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-277.5
C-122.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-123.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-127.5
C-124.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-390.0
C-125.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-126.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-127.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-277.5
C-128.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-397.5
C-129.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	Flexible DASH DT (FULL)	-390.0
C-130.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-131.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-352.5
C-132.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-277.5
C-133.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH DT (FULL)	-352.5
C-134.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-112.5
C-135.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-157.5
C-136.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH DT (FULL)	-187.5
C-137.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-157.5
C-138.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	VersiFleece TPO	HydroBond WB	-280.0
C-139.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-277.5
C-140.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	VersiFleece TPO	HydroBond WB	-280.0
C-141.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-157.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-142.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-157.5
C-143.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (RIBBON)	VersiFleece TPO	HydroBond WB	-395.0
C-144.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-277.5
C-145.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH DT (FULL)	VersiFleece TPO	HydroBond WB	-395.0
C-146.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	HydroBond WB	-390.0
C-147.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-127.5
C-148.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	VersiFleece TPO	HydroBond WB	-397.5
C-149.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-157.5
C-150.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece TPO	HydroBond WB	-397.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-151.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-277.5
C-152.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece TPO	HydroBond WB	-397.5
C-153.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (SPLATTER)	VersiFleece TPO	HydroBond WB	-390.0
C-154.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-157.5
C-155.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece TPO	HydroBond WB	-352.5
C-156.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-277.5
C-157.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece TPO	HydroBond WB	-352.5
C-158.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-112.5
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:								
C-159.	Min. 2,500 psi structural concrete	Min. 0.5-inch HP Recovery Board	HA	None	HA	VersiFleece AC TPO	Hot Asphalt	-150.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-160.	Min. 2,500 psi structural concrete	One or more layers min. 1.5-inch VersiCore, Polyiso HP-N, Polyiso HP-W, ACfoam II, SecurShield, ENRGY 3 or ISO 95+ GL	HA	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch HP Recovery Board	HA	VersiFleece AC TPO	Hot Asphalt	-150.0
VERSIWELD QA TPO MEMBRANE APPLICATIONS:								
C-161.	Min. 2,500 psi structural concrete	(Optional) One or more layers, min. 1-inch Insulfoam IX	Flexible DASH (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch Insulfoam SP	Flexible DASH (FULL)	VersiWeld QA TPO	Self-adhered	-315.0
VERSI FLEECE RL™ APPLICATIONS:								
C-162.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield or min. 1-inch Insulfoam IX	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™		-142.5

TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
VERSI FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
C-163.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-165.0
VERSI FLEECE AC TPO MEMBRANE APPLICATIONS:								
C-164.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-157.5
C-165.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-202.5

TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER
 REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
C-166.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-105.0
C-167.	Min. 2,500 psi structural concrete	Min. 2-inch Insulfoam IX	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-120.0
C-168.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-150.0
C-169.	Min. 2,500 psi structural concrete	Min. 2-inch VersiCore, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-202.5

TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
C-170.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
C-171.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-172.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft ² (10 parts per 4 x 8 ft board)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
C-173.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
C-174.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 with RhinoBond Plate-TPO or RhinoBond TreadSafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4 x 8 ft board)	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
C-175.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-97.5
C-176.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	12-inch o.c. in rows 60-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
C-177.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	6-inch o.c. in rows 120-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-178.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)	6-inch o.c. in rows 60-inch o.c.	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
C-179.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-180.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
C-181.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
C-182.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
C-183.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-184.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-185.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-186.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	<p>A. The plate/fastener combination offset 12 inch from adjacent rows.</p> <p>B. For these assemblies each row of insulation is staggered by 1 foot.</p>					

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)*
			Type	Attach	
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):					
C-187.	Min. 2,500 psi structural concrete	None	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-495.0
C-188.	Min. 2,500 psi structural concrete	None	VersiFleece TPO	Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq)	-722.5
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:					
C-189.	Min. 2,500 psi structural concrete	None	VersiFleece AC TPO	Hot Asphalt	-97.5
C-190.	Min. 2,500 psi structural concrete	CCW-702 or cut-back primer at 250-300 ft ² /gal	VersiFleece AC TPO	Hot Asphalt	-495.0
VERSIWELD QA TPO MEMBRANE APPLICATIONS:					
C-191.	Min. 2,500 psi structural concrete	None	VersiWeld QA TPO	Self-adhered	-425.0

**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		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
LWC-1	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-52.5
LWC-2	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-52.5
LWC-3	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0
LWC-4	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-350.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
LWC-7	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-8	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-9	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-10	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-11	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-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		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-12	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-13	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-187.5
LWC-14	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-15	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-16	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-350.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 15)	Anchor Sheet			Insulation			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Layer	Top Layer(s)	Attach (Notes 6,7,8)		
LWC-17	Min. 22 ga., Type B, Grade 33 vented steel or structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	JM Perma Ply 28	OMG CR Assembled Base Sheet Fastener	9-inch o.c. in the 3-inch side lap and 9-inch o.c. in two staggered rows in the center of the sheet	Min. 1.0-inch VersiCore, HP-N or HP-W, SecurShield, AC Foam II, or ENRGY 3	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.0-inch HP Recovery Board	Hot asphalt	VersiFleece AC TPO / Hot asphalt	-45.0

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)*
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
LWC-18	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	None	N/A	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-60.0
LWC-19	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5
LWC-20	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	HPV Fastener with Insulation Fastening Plate	1 per 9.0 ft ²	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-67.5 <i>Note B</i>
LWC-21	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8" puddle welds, 6-inch o.c.	CELCORE (NOA 18-0717.05): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	VersiWeld	Cav-Grip 3V A/P	-82.5
LWC-22	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	HPV Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-120.0 <i>Note B</i>
LWC-23	Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (NOA 21-1229.06): Deck primed with Concrecel Bonding Agent at 600 ft ² /gallon. Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	(Optional) Concrecel Curing Compound	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-97.5
LWC-24	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds spaced 6-inch o.c.	CONCRECEL (NOA 21-1229.06): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-105.0
LWC-25	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (NOA 21-1229.06): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-135.0
LWC-26	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-52.5

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)*
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-27	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-82.5
LWC-28	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-97.5
LWC-29	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-112.5
VERSI-FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):								
LWC-30	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8" puddle welds, 6-inch o.c.	CELCORE (NOA 18-0717.05): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-82.5
VERSI-FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
LWC-31	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	None	N/A	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL)	-60.0
LWC-32	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL)	-67.5
LWC-33	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	HPV Fastener with Insulation Fastening Plate	1 per 9.0 ft ²	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL)	-67.5 <i>Note B</i>
LWC-34	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	HPV Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL)	-120.0 <i>Note B</i>
LWC-35	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tekes 5, 6" o.c.	ELASTIZELL (NOA 23-0817.05): Min. 530 psi, min. 2-inch thick, Elastizell Range III LWIC	None	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-52.5

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)*
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-36	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	VersiFleece TPO	Flexible DASH (FULL)	-52.5
LWC-37	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece TPO	Flexible DASH (FULL)	-82.5
LWC-38	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece TPO	Flexible DASH (FULL)	-97.5
LWC-39	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece TPO	Flexible DASH (FULL)	-112.5
Notes:	<p>A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.</p> <p>B.) Linear interpolation between supplemental attachment at 1 per 9 ft² for -67.5 psf and 1 per 1.0 ft² for -120.0 psf is permissible. Such interpolation shall be performed by a qualified design professional to the satisfaction of the Authority Having Jurisdiction.</p>							

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)*
			Membrane	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:					
LWC-40	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	VersiWeld	Aqua Base 120	-82.5
LWC-41	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-135.0
LWC-42	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	VersiWeld	Aqua Base 120	-217.5
LWC-43	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-480.0
LWC-44	Min. 2,500 psi structural concrete	CONCRECEL (NOA 21-1229.06): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-452.5
LWC-45	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	VersiWeld	Aqua Base 120	-67.5
LWC-46	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-240.0
LWC-47	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 300 psi, Min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-495.0
LWC-48	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11.</i>	VersiWeld	VersiWeld BA	-452.5
LWC-49	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11.</i>	VersiWeld	VersiWeld BA	-492.5
VERSIWELD TPO MEMBRANE APPLICATIONS (FULL BOND):					
LWC-50	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 270 psi, Min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture (EPS board optional) Surfacing: Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-225.0
LWC-51	Min. 2,500 psi structural concrete	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-232.5
LWC-52	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiFleece TPO	Flexible DASH (FULL)	-240.0
LWC-53	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	VersiFleece TPO	Flexible DASH (FULL)	-250.0

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)*
			Membrane	Application	
LWC-54	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11.</i>	VersiFleece TPO	Flexible DASH (FULL)	-250.0
LWC-55	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11.</i>	VersiFleece TPO	Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq)	-345.0
VERSIWELD QA TPO MEMBRANE APPLICATIONS:					
LWC-56	Min. 3,000 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	VersiWeld QA TPO	Self-adhered	-282.5
Notes:	A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.				

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
CWF-1	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Aqua Base 120	-52.5
CWF-2	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P or VersiWeld BA	-75.0
CWF-3	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA	-82.5
CWF-4	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA	-82.5
CWF-5	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	(Optional) Min. 1.0-inch VersiCore, SecurShield	Flexible DASH (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.625-inch DensDeck Prime	Flexible DASH (FULL)	VersiWeld	Cav-Grip 3V A/P or VersiWeld BA	-90.0
CWF-6	Min. 2-inch Tectum Plank	Min. 1-inch VersiCore or SecurShield	Flexible DASH (FULL) or Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH (FULL) or Flexible DASH DT (FULL)	VersiWeld	Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA	-277.5
CWF-7	Min. 2-inch Tectum Plank	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH (FULL) or Flexible DASH DT (FULL)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA	-277.5

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
CWF-8	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
CWF-9	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
CWF-10	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-82.5
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
CWF-11	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B, 2 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	HydroBond WB	-52.5
CWF-12	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B, 2 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 19/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL)	-75.0
CWF-13	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-82.5
CWF-14	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist	Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-82.5

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
CWF-15	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	Min. 1.0-inch VersiCore, SecurShield	Flexible DASH (FULL)	(Optional) Min. 0.5-inch HP Recovery Board	Flexible DASH (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-90.0
CWF-16	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	Min. 1-inch Insulfoam SP	Flexible DASH (FULL)	None	N/A	VersiFleece TPO	Flexible DASH (FULL)	-90.0
CWF-17	Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist	(Optional) Min. 1.0-inch VersiCore, SecurShield	Flexible DASH (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.625-inch DensDeck Prime	Flexible DASH (FULL)	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL)	-90.0
CWF-18	Min. 2-inch Tectum Plank	Min. 1-inch VersiCore or SecurShield	Flexible DASH (FULL) or Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH (FULL) or Flexible DASH DT (FULL)	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL) or HydroBond WB	-277.5
CWF-19	Min. 2-inch Tectum Plank	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH (FULL) or Flexible DASH DT (FULL)	None	N/A	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL) or HydroBond WB	-277.5

TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER*

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
CWF-20	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2" Metal Seam Plates, 3 per joist	None	VersiFleece TPO	Flexible DASH (RIBBONS 12-inch o.c.) or Flexible DASH DT (RIBBONS 12-inch o.c.)	-105.0
CWF-21	Min. 2-inch Tectum Plank	None	VersiFleece TPO	Flexible DASH (FULL) or Flexible DASH DT (FULL)	-601.5

**TABLE 6A: EXISTING 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(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
G-1.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-157.5
G-2.	Existing gypsum deck	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiWeld	Cav-Grip 3V A/P or VersiWeld BA	-187.5
G-3.	Existing gypsum deck	Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or nominal 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-237.5
G-4.	Existing gypsum deck	Nominal 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-352.5
G-5.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-450.0
G-6.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-495.0
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
G-7.	Existing gypsum deck	Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
G-8.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
G-9.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								

**TABLE 6A: EXISTING 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(s)		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
G-10.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-157.5
G-11.	Existing gypsum deck	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-187.5
G-12.	Existing gypsum deck	Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or nominal 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-237.5
G-13.	Existing gypsum deck	(Optional) Min. 1-inch Insulfoam IX	Flexible DASH (FULL)	Min. 1-inch Insulfoam SP	Flexible DASH (FULL)	VersiFleece TPO	Flexible DASH (FULL)	-295.0
G-14.	Existing gypsum deck	Nominal 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-352.5
G-15.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-450.0
G-16.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB	-495.0

**TABLE 6B: GYPSUM 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	MCRF (lbf)	Type	Attach (Notes 6,7,8)		
VERSIWELD MEMBRANE APPLICATIONS:									
G-17.	Existing gypsum deck	Min. 1.5-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*

TABLE 6B: GYPSUM 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	MCRF (lbf)	Type	Attach (Notes 6,7,8)			
G-18.	Existing gypsum deck	Min. 2-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*	
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):										
G-19.	Existing gypsum deck	Min. 1.5-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*	
G-20.	Existing gypsum deck	Min. 2-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*	
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):										
G-21.	Existing gypsum deck	Min. 1.5-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*	
G-22.	Existing gypsum deck	Min. 2-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*	
VERSIFLEECE TPO® RL™ APPLICATIONS:										
G-23.	Existing gypsum deck	Min. 1.5-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL	-45.0*	
G-24.	Existing gypsum deck	Min. 2-inch VersiCore, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL	-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 13)	Top Insulation Layer				Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach	MCRF (lbf)		
VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):								
G-25.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
G-26.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-45.0*
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
G-27.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
G-28.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
G-29.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
G-30.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
VERSIFLEECE TPO® RL™ APPLICATIONS:								
G-31.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	VersiFleece RL	-45.0*
G-32.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch VersiCore RL, SecurShield RL or SecurShield HD Composite RL	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	VersiFleece RL	-45.0*

**TABLE 6d: EXISTING GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)*
			Type	Attach	
G-33.	Existing gypsum deck	None	VersiFleece TPO	Flexible DASH (FULL)	-295.0
G-34.	Existing gypsum deck	None	VersiFleece TPO	Flexible DASH DT (SPATTER at 3.5-4.0 lbs/sq)	-717.5

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)* ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:								
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 VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-167.5
R-2	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-145.0
R-4	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-145.0
R-5	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-145.0

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^{*A}
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-6	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 or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-302.5
R-7	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-302.5
R-8	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	VersiWeld	Aqua Base 120 or VersiWeld BA	-120.0
R-9	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch VersiCore, SecurShield	OB500	(Optional) Additional layers of base insulation	OB500	VersiWeld	Cav-Grip 3V A/P	-120.0
R-10	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck or DensDeck Prime	OB500	VersiWeld	Aqua Base 120 or VersiWeld BA	-120.0
R-11	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	VersiWeld	Cav-Grip 3V A/P	-120.0
R-12	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-120.0

VERSI FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^{*A}
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-13	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 VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-14	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-15	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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-16	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-17	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-18	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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-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, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-19	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
R-20	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
R-21	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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-22	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-23	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
R-24	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 VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.5

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^{*A}
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-25	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.5
R-26	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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-27	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-28	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-29	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 or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5
R-30	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^{*A}
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
VERSIFLEECE RL™ APPLICATIONS:								
R-31	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	(Optional) Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™		-142.5
R-32	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL™		-142.5
R-33	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece RL™		-142.5

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

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

System No.	Substrate (Note 1, Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^{*A}
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Application	
VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):								
R-34	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	(Optional) Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-35	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-36	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)	-165.0
VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:								
R-37	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 VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-157.5
R-38	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-157.5
R-39	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-157.5

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

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

System No.	Substrate (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)* ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Application	
R-40	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 VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-167.5
R-41	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-167.5
R-42	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	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-202.5
R-43	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-202.5
R-44	Existing fully-adhered asphaltic BUR	Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-105.0
R-45	Existing fully-adhered asphaltic BUR	Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	VersiFleece AC TPO / V-CAA or hot asphalt	-120.0

TABLE 7c: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Substrate (Note 1)	Insulation Layer (Note 5)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
RHINO BOND SYSTEMS:						
R-46	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins	12-inch o.c. along purlins	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
R-47	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins	6-inch o.c. along purlins	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
R-48	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins	6-inch o.c. along purlins	VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
R-49	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	12-inch o.c. along purlins	VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
R-50	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	6-inch o.c. along purlins	VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0

TABLE 7d: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-51	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 115-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 115-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-52	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-53	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 138.5-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 138.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0

TABLE 7D: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-54	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 90.5-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 90.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-67.5
R-55	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	9-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-75.0
R-56	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	VersiWeld or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-90.0

TABLE 7E: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-57	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
R-58	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 90-inch o.c.	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
R-59	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

TABLE 7E: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-60	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination	Prelim. attached	VersiWeld, VersiWeld HS or VersiWeld Plus	Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate	VersiWeld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

TABLE 7F: RECOVER APPLICATIONS
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)						MDP (psf)
		Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
R-61	Existing steel deck	VersiFleece AC TPO or VersiFleece TPO	HPV-X Fastener with HPV-X Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
R-62	Existing steel deck	VersiFleece AC TPO or VersiFleece TPO	HPV-XL Fastener with HPV-XL Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-63	Existing steel deck, min. Grade 80	VersiFleece AC TPO or VersiFleece TPO	HPV-X Fastener with HPV-X Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-64	Existing steel deck, min. Grade 80	VersiFleece AC TPO or VersiFleece TPO	HPV-X Fastener with HPV-X Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-65	Existing steel deck, min. Grade 80	VersiFleece AC TPO 155 or VersiFleece TPO 135	HPV-XL Fastener with HPV-XL Plate installed through to engage existing deck	12-inch o.c.	5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-66	Existing structural concrete	VersiFleece AC TPO or VersiFleece TPO	MP 14-10 Fastener with HPV-X Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-67	Existing structural concrete	VersiFleece AC TPO or VersiFleece TPO	MP 14-10 or CD-10 Fastener with HPV-X Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0

TABLE 7G: RECOVER APPLICATIONS
SYSTEM TYPE F-1: NON-INSULATED, BONDED ROOF COVER

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

System No.	Substrate (Note 1 , Note 12)	Roof Cover (Note 15)		MDP (psf)* ^A
		Type	Attach	
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):				
R-68	Existing, fully-adhered EPDM	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6)	-75.0
R-69	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	VersiFleece TPO	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-177.0
VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):				
R-70	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	VersiFleece TPO	Flexible DASH (FULL)	-177.0
R-71	Existing fully adhered TPO single ply	VersiFleece TPO	Flexible DASH DT (FULL)	-270.0
R-72	Existing, fully-adhered EPDM	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-315.0
R-73	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR) or granule-surfaced modified bitumen	VersiFleece AC TPO	Hot Asphalt	-367.5
R-74	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	VersiFleece TPO	Flexible DASH DT (FULL)	-635.0

TABLE 7H: RECOVER APPLICATIONS
SYSTEM TYPE F-2: NEW LIGHTWEIGHT CONCRETE OVER EXISTING ROOF, BONDED ROOF COVER

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

System No.	Substrate (Note 1, Note 12)		Roof Cover (Note 15)		MDP (psf)* ^A
	Existing Roof	Lightweight Concrete (Note 14)	Type	Attach	
VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:					
R-75	Existing gravel surface BUR	CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete or Celcore MF Cellular Concrete (EPS board optional)	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-75.0
R-76	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	VersiWeld	Aqua Base 120	-82.5
R-77	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-135.0
R-78	Existing mineral surface cap sheet	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiWeld	Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-135.0
R-79	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiWeld	Aqua Base 120	-217.5
R-80	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-262.5
R-81	Existing asphalt BUR	CONCRECEL (NOA 21-1229.06): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-375.0
R-82	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiWeld	Aqua Base 120	-67.5
R-83	Existing asphalt BUR or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-302.5
R-84	Existing asphalt BUR or smooth-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiWeld	Cav-Grip 3V A/P, LVOC BA or VersiWeld BA	-342.0
VERSI FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):					
R-85	Existing gravel surface BUR	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-75.0
R-86	Existing mineral surface cap sheet	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-135.0
R-87	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	VersiFleece TPO	Flexible DASH or Flexible DASH DT (FULL)	-232.5
R-88	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS optional board)	VersiFleece TPO	Flexible DASH (FULL)	-250.0

TABLE 8A: HILTI PART / SUPPORT THICKNESS LIMITATIONS¹

HILTI PART	STEEL SUPPORTING MEMBER THICKNESS (INCH)
X-ENP-19 L15, X-ENP-19 L15MX or X-ENP-19 L15MXR	$t \geq 0.25$
X-EDN19 THQ12 or X-EDN19 THQ12M	$0.25 \leq t \leq 0.375$
X-EDNK22 THQ12 or X-EDNK22 THQ12M	$t = 0.25$
X-HSN 24	$0.125 \leq t \leq 0.375$
S-MD 12-24 x 1-5/8 M HWH5	$0.125 < t \leq 0.25$

TABLE 8B: HILTI PART / TYPE B STEEL DECK ATTACHMENT-SPAN LIMITATIONS¹

HILTI PART	MAX. SPACING (INCH O.C.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)	MAX. SPAN (INCHES)					
			MIN. 22 GA. STEEL		MIN. 20 GA. STEEL		MIN. 18 GA. STEEL	
			MIN. 33 KSI	MIN. 80 KSI	MIN. 33 KSI	MIN. 80 KSI	MIN. 33 KSI	MIN. 80 KSI
X-ENP-19 L15 X-ENP-19 L15MX X-ENP-19 L15MXR X-EDN19 THQ12 X-EDN19 THQ12M X-EDNK22 THQ12 X-EDNK22 THQ12M X-HSN 24 or S-MD 12-24 x 1-5/8 M HWH5	12	-45.0	72	72	72	72	72	72
	6	-82.5*	72	72	72	72	72	72
	6	-90.0*	68	72	72	72	72	72
	6	-97.5*	63	72	72	72	72	72
	6	-105.0*	59	72	72	72	72	72
	6	-112.5*	55	72	67	72	72	72
	6	-120.0*	51	72	63	72	72	72
	6	-127.5*	48	72	59	72	72	72
	6	-135.0*	45	72	56	72	72	72
	6	-142.5*	43	72	53	72	72	72
	6	-150.0*	41	72	50	72	69	72
	6	-157.5*	39	71	48	72	65	72
	6	-165.0*	37	68	46	72	62	72
	6	-165.0*	35	65	44	72	60	71
	6	-172.5*	34	62	42	72	57	68
	6	-180.0*	33	60	40	72	55	65
	6	-187.5*	31	57	39	71	53	62
	6	-195.0*	30	55	37	68	51	60
6	-202.5*	29	53	36	66	49	58	
6	-210.0*	28	51	36	63	47	56	
6	-217.5*	27	50	33	61	46	54	
6	-225.0*	26	48	32	59	44	52	

*Limited to fully or partially adhered roof coverings.

¹ Information is provided as guidance for use at the discretion of the Designer or Record and Authority Having Jurisdiction. Neither NEMO|etc. nor Robert Nieminen, P.E. purport to evaluate Hilti fasteners for compliance with the Florida Building Code.