



EVALUATION REPORT

FLORIDA BUILDING CODE, 7TH EDITION (2020)

Manufacturer: U.S. Ply, Inc.
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 Fort Worth, TX 76110
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Manufacturing Plants: Fort Worth, TX

Quality Assurance: FM Approvals (QUA1860)

SCOPE

Category: Roofing
Subcategory: Modified Bitumen Roof System
Code Sections: 1504.3.1, 1504.6, 1504.7, 1507.2.4, 1507.10.2, 1507.11.2, 1515.1.1, 1515.1.4, 1515.2.4
Properties: Wind Resistance, Physical Properties, Impact Resistance

PRODUCT DESCRIPTION

Products	Specification	Description
DuraFlex™ 30 SBS Base	ASTM D 4601	Base or ply sheet, Type II, for mechanical attachment, hot asphalt and cold adhesive applications
DuraWeld 4M APP	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
DuraWeld 4M FR APP	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
DuraWeld 4S APP	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
SafeWeld 180FR APP	ASTM D 6222	Cap sheet, Grade G, Type I, for cold adhesive or torched applications
SafeWeld 180M APP	ASTM D 6222	Cap sheet, Grade G, Type I, for cold adhesive or torched applications
SafeWeld 180S APP	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for cold adhesive or torched applications
USP APP 160M	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
USP APP 160S	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
USP APP 160S Plus	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
USP™ Base Sheet	ASTM D 4601	Base or ply sheet, Type II, for mechanical attachment, hot asphalt and cold adhesive applications
USP™ Type IV Glass Ply	ASTM D 2178	Base or ply sheet, Type IV, for hot asphalt applications
USP™ Type VI Premium Glass Ply	ASTM D 2178	Base or ply sheet, Type VI, for hot asphalt applications

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
FM Approvals (TST1867)	3012321	FM 4470	2016
		FM 4474	2011
		TAS 114	2011
FM Approvals (TST1867)	3014692	FM 4470	2016
FM Approvals (TST1867)	3018332	FM 4454	2010
		FM 4474	2011
		TAS 114	2011
		FM 4470	2016
FM Approvals (TST1867)	3020703	FM 4470	2016
FM Approvals (TST1867)	3023458	FM 4470	2016
FM Approvals (TST1867)	3024594	FM 4470	2016
FM Approvals (TST1867)	3024973	FM 4470	2016
FM Approvals (TST1867)	3026528	FM 4470	2016
		FM 4474	2011
		TAS 114	2011
		FM 4470	2016
		FM 4470	2016
FM Approvals (TST1867)	3026836	FM 4470	2016
FM Approvals (TST1867)	3028478	FM 4470	2016
FM Approvals (TST1867)	3029655	FM 4470	2016
FM Approvals (TST1867)	3029993	FM 4470	2016
FM Approvals (TST1867)	3033028	FM 4470	2016
FM Approvals (TST1867)	3032172	FM 4470	2016
Trinity ERD (TST6049)	U11650.07.09-1	FM 4470	2016
Trinity ERD (TST6049)	U0230.12.06-R1	FM 4470	2016
		TAS 114	2011
		FM 4470	2016
Trinity ERD (TST6049)	2005.U0212.09.05-R1	TAS 114	2011
Trinity ERD (TST6049)	U0215.0506-2-R2	ASTM D 6222	2011
		FM 4470	2016
Trinity ERD (TST6049)	U30120.11.10	FM 4474	2011
		TAS 114	2011
		FM4474(B)	2011
		TAS 114(D)	1995
Trinity ERD (TST6049)	U33320.08.10-1	FM 4474(D)	2012
		TAS 114(J)	1995
		ASTM D 6222	2011
Trinity ERD (TST6049)	U41790.05.12-1-R1	ASTM D 6222	2011
Trinity ERD (TST6049)	U41790.05.12-2-R2	ASTM D 6222	2011
		TAS 110	2000

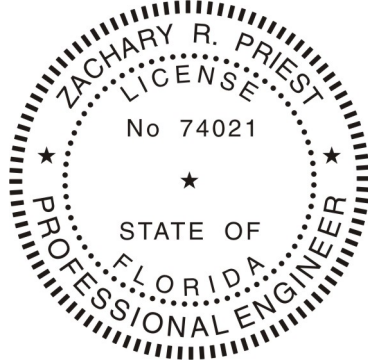


LIMITATIONS

1. This evaluation report is not use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
4. Foam plastic insulation shall be installed in accordance with the FBC Section 2603.4 and 2603.6.
5. Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
6. The minimum roof slope shall be 1/4:12 for new construction.
7. For assemblies containing mechanical attachment, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. For perimeter and corner roof zones 2 and 3, the attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in these areas. Commonly used standards include RAS 117, FM LPDS 1-29, or ANSI/SPRI WD-1.
8. Reroofing applications shall be examined in accordance with FBC Section 1511. For mechanically fastened systems, a field withdrawal resistance test (ANSI/SPRI FX-1 or TAS 105) shall be conducted by a qualified professional to ensure the fastener meets the minimum design load requirements of the system. For adhered systems, a field uplift resistance test (ASTM E 907, FM LPDS 1-52, ANSI/SPRI IA-1, or TAS) shall be conducted to confirm conformance of the existing to the minimum design loads.
9. For assemblies containing fully adhered or ribbon adhered attachment, or where extrapolation of the assembly is not permitted, the *MDP* for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16 without augmentation.
10. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code 7th Edition (2020) as evidenced in the referenced documents submitted by the named manufacturer.



Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

APPENDICES

- 1) APPENDIX A – Installation (2 pages)
- 2) APPENDIX B – Nomenclature and Approved Assemblies (26 pages)

INSTALLATION

Note - Refer to the [APPROVED ASSEMBLIES](#) section of this report within Appendix B for specific installation details of a selected assembly.

Unless otherwise specified in this report the following installation details shall be met for the named products:

Component	Product	Installation Detail
Fastening Systems	Dekfast PLT-R-3	Min. 3-inch diameter Galvalume® steel plate
	Dekfast DF-#12-PH3	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck
	Dekfast DF-#14-PH3	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	Jevcap Hurricane Capnails	Min. 30 ga. x 1-5/8-inch diameter steel disc with 11 ga. x 1-1/4-inch annular ring shank nail bonded in the center of the disc
	Steel Round Javcaps	Min. 1-inch diameter steel disc with 11 ga. x 1-1/4-inch annular ring shank nail bonded in the center of the disc
	OMG #12 Standard Roofgrip	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck
	OMG Heavy Duty Fastener	#14 fastener; Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	OMG #14 Roofgrip Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	OMG CD-10 Fastener	Min. penetration 1-inch into concrete deck.
	OMG 3" Galvalume Steel Plate	3" round Galvalume® steel plate
	OMG AccuTrac Flat Bottom Plate	3" square A2-SS aluminized steel plate
	OMG 3" AccuTrac Plate	3" square Galvalume® steel plate
	PlyFast #12 CDP Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck
	PlyFast #14 HD Fastener	#14 fastener; Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	PlyFast #15 EHD Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	PlyFast 75 Base Ply Fastener	1.2-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	PlyFast 90 Base Ply Fastener	1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	PlyFast Double-Lock Nail	Min. 1.8-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.
	PlyFast Standard Metal Plate	Min. 3-inch diameter Galvalume® steel plate with reinforcing ribs
	Trufast #12 DP Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck
	Trufast #14 HD Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	Trufast 3" Metal Insulation Plate	Min. 3-inch diameter Galvalume® steel plate with reinforcing ribs
	Trufast FM-75 Base Sheet Fastener	1.2-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
Trufast FM-90 Base Sheet Fastener	1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.	
Trufast Insuldeck Loc-Nail	Min. 1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.	
Trufast Twin Loc-Nail Assembled Fastener	Min. 1.8-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.	
Insulation Adhesives	ASTM D 312, Type IV Asphalt	Fully adhered within the EVT range at a rate of 20-40 lbs/100 ft ²
	ICP Adhesives CR-20	Applied in 2.5 to 3.5-inch wide continuous ribbons, max. 12-inch o.c.
	OMG OlyBond 500	Applied in 3/4 to 1-inch wide continuous ribbons, max. 12-inch o.c.
	PlyLink Solvent Free Adhesive	Fully adhered at a rate of 2 gal/sq



Component	Product	Installation Detail
Membrane Adhesives	ASTM D 312, Type IV Asphalt	Fully adhered within the EVT range at a rate of 25-40 lbs/100 ft ²
	SafeWeld APP Modified Bitumen Adhesive	Fully adhered at a rate of 1.5-2 gal/sq
Insulation/Cover Boards	ACFoam-II	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	ACFoam-III	
	ACFoam-IV	
	ACFoam-IV Tapered	
	ENRGY 3	
	FescoBoard	Min. 0.75-inch thick
	Georgia-Pacific DensDeck	Min. 0.25-inch thick gypsum roof board with fiberglass facer
	Georgia-Pacific DensDeck Prime	
	H-Shield	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	H-Shield CG	
	Insulfoam I	Min. Type I ASTM C 578, Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam II	Min. Type II ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam VIII	Min. Type VIII ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam IX	Min. Type IX ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	ISO 95+GL	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	Multi-Max FA3	
Tapered Therमारoof-3		
Structodek High Density Fiberboard	Min. 0.5-inch thick	
Ultra-Max	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft	
USG SECUROCK Gypsum-Fiber Roof Board	Min. 0.25-inch thick gypsum roof board with fiber reinforcement	
Base/Ply Sheets	DuraFlex 30 SBS Base	Min. 3-inch wide side-laps; Min. 6-inch end laps; Side-laps shall be installed perpendicular to the direction of the steel deck ribs and parallel to the direction of the wood trusses for mechanically attached systems
	DuraWeld 4S APP	
	SafeWeld 180S APP	
	USP APP 160S	
	USP APP 160S Plus	
	USP Base Sheet	
	USP Type IV	
USP Type VI		
Cap Sheets	DuraWeld 4M APP	Min. 4-inch side-laps; Min. 6-inch end-laps
	DuraWeld 4MFR APP	
	DuraWeld 4S APP	
	SafeWeld 180FR APP	
	SafeWeld 180M APP	
	SafeWeld 180S APP	
	USP APP 160M	
	USP APP 160S	
USP APP 160 S Plus		
Cellular Lightweight Concrete	Min. 300 psi Celcore MF with HS Rheology Admixture	Slurry coat min. 1/8-inch thick; 1-inch thick EPS board (1 lbs/ft ³); Min. 2-inch thick top coat; Celcore PVA curing compound applied at rate of 300 ft ² /gal
	Min. 200 psi Celcore	Slurry coat min. 1/8-inch thick; OPTIONAL: Min. 1-inch thick EPS board (1 lbs/ft ³); Min. 2-inch thick top coat
	Min. 200 psi Celcore MF	
	Min. 200 psi Mearlcrete	
	Min. 200 psi Elastizell	
Min. 300 psi Cellular Lightweight Concrete		

NOMENCLATURE

The following naming conventions are utilized to specify products in the [APPROVED ASSEMBLIES](#) section of this report. Refer to the nomenclature below when deciphering the allowable products for use in the selected assembly. Installation requirements shall be as noted in the [APPROVED ASSEMBLIES](#) and [INSTALLATION](#) section of this report.

Name	Definition		
<i>As Tested</i>	Information provided to the report user based on the as tested condition of the roof system		
<i>CA APP Base</i>	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180S APP or USP Base Sheet		
<i>CA APP Cap</i>	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180FR APP, SafeWeld 180M APP or SafeWeld 180S APP		
<i>CA APP Ply</i>	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180S APP		
<i>CD Fasteners & Plates</i>	One of the following: - Dekfast PLT-R-3 with Dekfast DF-#14-PH3 fastener - OMG 3" Galvalume Steel Plate with OMG Heavy Duty or CD-10 fastener - OMG AccuTrac or AccuTrac Flat Bottom Plate with OMG #14 Roofgrip fastener - PlyFast Standard Metal Plate with PlyFast #14 HD or #15 EHD fastener - Trufast 3" Metal Insulation Plate with Trufast #14HD fastener		
<i>CR-20</i>	ICP Adhesives CR-20		
<i>Cover Board</i>	One layer of cover board listed in this report or <i>approved</i> under rule 61G20-3, such as gypsum, cement board, perlite, polyisocyanurate, or wood fiberboard. Insulation shall be preliminarily secured unless otherwise noted.		
<i>Deck Detail</i>	<i>As Tested</i> deck construction details are described as follows:		
	<i>Concrete Deck</i>	Min. $f_c = 2,500$ psi at 28 days	
	<i>CWF Deck</i>	Min. 2.5-inch thick Tectum I cementitious wood fiber panels	
	<i>Steel Deck</i>	Min. 22 ga, Wide Rib Deck (Type WR) conforming to ANSI/SDI-RD1.0 & FBC; 0.5% Vented for LWIC applications only. The following nomenclature is used to further describe the <i>As Tested</i> condition.	
		<i>F<#></i>	<#> #12-24 HWH self-drilling screws or equivalent fastener at each flute used to secure the deck to the structural supports; Min. 0.25-inch penetration
		<i>G<#></i>	Min. Grade <#> of <i>Steel Deck</i>
		<i>L<#></i>	Max. span of <#> ft
		<i>P</i>	Min. 5/8-inch diameter puddle welds at each flute used to secure the deck to the structural supports
		<i>S<#></i>	1/4 "-14 HWH x7/8" self-drilling screws or equivalent fastener secured <#>-inch o.c. along the panel side laps
		<i>W</i>	3/4-inch O.D. flat washer used with indicated fastener
	<i>Wood Deck</i>	APA Span-Rated plywood sheathing. The following nomenclature is used to further describe the <i>As Tested</i> condition.	
		<i>T<#>P</i>	Min. <#>-inch thickness of the plywood
		<i>T<#>O</i>	Min. <#>-inch thickness of the OSB
<i>L<#></i>		Max. span of <#> inches	
<i>N<#></i>		8d ring shank nails spaced <#>-inch o.c. at all intermediate supports and at the perimeter of each board	
<i>DensDeck</i>	Min. 0.25-inch Georgia-Pacific DensDeck		
<i>DensDeck Prime</i>	Min. 0.25-inch Georgia-Pacific DensDeck Prime		

Name	Definition
HA BUR Base	One ply of the following fully bonded in ASTM D 312, Type IV hot asphalt: DuraFlex 30 SBS Base, USP Base Sheet, USP Type IV Glass Ply or USP Type VI Premium Glass Ply
HA BUR Ply	One or more plies of the following fully bonded in ASTM D 312, Type IV hot asphalt: USP Type IV Glass Ply or USP Type VI Premium Glass Ply
Hot Asphalt	ASTM D 312, Type IV Asphalt
Insulation	One or more layers or combinations of roofing insulation listed in this report or <i>approved</i> under rule 61G20-3, such as gypsum, perlite, polyisocyanurate, polystyrene, or wood fiberboard. Insulation shall be preliminarily secured unless otherwise noted.
ISO	One or more layers of ASTM C1289, Type II polyisocyanurate
ISO I	One layer of any of the following products: -ACFoam-II -ACFoam-III -ACFoam-IV -Multi-Max FA3 -H-Shield -H-Shield CG -ENRGY 3 -ISO 95+ GL
ISO II	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3
ISO III	One layer of any of the following products: -ACFoam-II -Multi-Max FA3 -H-Shield -ENRGY 3 -ISO 95+ GL
ISO IV	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3 -H-Shield
ISO V	One layer of any of the following products: -ACFoam-II -H-Shield -ENRGY 3 -ISO 95+ GL
ISO VI	One layer of any of the following products: -ACFoam-II -H-Shield -H-Shield CG -ENRGY 3 -ISO 95+ GL



Name	Definition
<i>ISO VII</i>	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3 -H-Shield -H-Shield CG -ENRGY 3
<i>LWIC</i>	Poured-in-place Cellular Lightweight Concrete with encapsulated insulation board
<i>MA Base</i>	One ply of the following mechanically attached as prescribed per the approved assembly: DuraFlex 30 SBS Base or USP™ Base Sheet
<i>MA Base I</i>	One ply of the following mechanically attached as prescribed per the approved assembly: DuraFlex 30 SBS Base, USP™ Base Sheet, USP Type IV Glass Ply or USP Type VI Premium Glass Ply
<i>MCRF</i>	Minimum Characteristic Resistance Force as determined by TAS 105 for the named fastener in the selected assembly
<i>MDP</i>	Maximum Design Pressure
<i>OB500</i>	OMG OlyBond 500
<i>PlyLink SFA</i>	PlyLink Solvent Free Adhesive
<i>Preliminarily Secured</i>	Fastened per the manufacturer's minimum requirements
<i>Recover</i>	Where assemblies are used to recover an existing roof, the existing roof shall consist of only one layer of roofing, i.e. recovering a previously recovered roof is not permitted. Recover roofing shall be conducted in compliance with FBC Section 1511. For mechanically fastened roof assemblies, the existing roof insulation thickness may be contributory in meeting the minimum insulation thickness requirements for a given assembly.
<i>SD Fasteners & Plates</i>	One of the following: -Dekfast PLT-R-3 with Dekfast DF-#12-PH3 or DF-##14-PH3 fastener -OMG 3" Galvalume Steel Plate with OMG #12 Standard Roofgrip or Heavy Duty fastener -OMG AccuTrac or AccuTrac Flat Bottom Plate with OMG #12 Standard Roofgrip or #14 Roofgrip fastener -PlyFast Standard Metal Plate with PlyFast #12 CDP, #14 HD or #15 EHD fastener -Trufast 3" Metal Insulation Plate with Trufast #12 DP or #14 HD fastener
<i>SECUROCK</i>	Min. 0.25-inch USG SECUROCK Gypsum-Fiber Roof Board
<i>TA APP Base</i>	One ply of the following fully bonded by torch adhering: DuraWeld 4S APP, USP APP 160S, USP APP 160S Plus
<i>TA APP Cap</i>	One ply of the following fully bonded by torch adhering: DuraWeld 4M APP, DuraWeld 4MFR APP, DuraWeld 4S APP, SafeWeld 180FR APP, SafeWeld 180M APP, SafeWeld 180S APP, USP APP 160M, USP APP 160S, USP APP 160S Plus
<i>TA APP Ply</i>	One or more plies of the following fully bonded by torch adhering: DuraWeld 4S APP, USP APP 160S, USP APP 160S Plus
<i>WD Fasteners & Plates</i>	One of the following: -Dekfast PLT-R-3 with Dekfast DF-#12-PH3 or DF-#14-PH3 fastener -OMG 3" Galvalume Steel Plate with OMG #12 Standard Roofgrip or Heavy Duty fastener -OMG AccuTrac Flat Bottom Plate with OMG #12 Standard Roofgrip or #14 Roofgrip fastener -PlyFast Standard Metal Plate with PlyFast #12 CDP or #14 HD fastener -Trufast 3" Metal Insulation Plate with Trufast #12 DP or #14 HD fastener



Name	Definition
<i>WD HD Fasteners & Plates</i>	One of the following: -OMG 3" Galvalume Steel Plate with OMG #14 Heavy Duty fastener -PlyFast Standard Metal Plate with PlyFast #14 HD fastener -Trufast MP-3 with Trufast HD fastener

APPROVED ASSEMBLIES

The following notes shall be observed when using the assembly tables below.

1. MDPs were calculated using a 2:1 margin of safety per FBC Section 1504.9 and 1523.4.
2. Refer to [LIMITATIONS](#) and [NOMENCLATURE](#) sections of this evaluation when using the table(s) below.
3. Refer to [INSTALLATION](#) section of this report for installation detail when the information is not explicitly stated for the selected assembly.
4. The on-center (o.c.) spacing given is the maximum allowable attachment spacing for the rated system.
5. As Tested information for roof deck construction is provided for information only. The addition of the As Tested deck information does not obviate the requirement for rational design of the roof deck and roof deck attachment in accordance with FBC requirements.
6. Prior to application of the approved assembly an optional vapor barrier, such as 4-6 mil polyethylene, V-Force, or DensDeck Prime with V-Force, may be installed over concrete or steel decks when the approved assembly contains insulation or the membrane fastened through to the deck.

Assembly System Numbers and Definitions	
C-A-#	Assemblies with All Layers Adhered over <i>Concrete Deck</i> (New or Existing)
C-AM-#	Assemblies with Adhered Membranes over Fastened Insulation over <i>Concrete Deck</i> (New, Existing, or Recover)
C-M-#	Mechanically Fastened Assemblies over <i>Concrete Deck</i> (New, Existing, or Recover)
CW-A-#	Assemblies with All Layers Adhered over Cementitious Wood Fiber Deck (New or Existing)
CW-AM-#	Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or Recover)
CW-M-#	Mechanically Fastened Assemblies over Cementitious Wood Fiber Deck (New, Existing, or Recover)
G-A-#	Assemblies with All Layers Adhered over Gypsum Deck (Existing)
G-AM-#	Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)
G-M-#	Mechanically Fastened Assemblies over Gypsum Deck (New or Existing)
LC-A-#	Lightweight Concrete Assemblies with All Layers Adhered over <i>Concrete Deck</i> (New or Existing)
LC-M-#	Mechanically Fastened Lightweight Concrete Assemblies over <i>Concrete Deck</i> (New or Existing)
LS-M-#	Mechanically Fastened Lightweight Concrete Assemblies over <i>Steel Deck</i> (New or Existing)
R-A-#	Recover Assemblies with All Layers Adhered
S-AM-#	Assemblies with Adhered Membranes over Fastened Insulation over <i>Steel Deck</i> (New, Existing, or Recover)
S-M-#	Mechanically Fastened Assemblies over <i>Steel Deck</i> (New, Existing, or Recover)
W-AM-#	Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over <i>Wood Deck</i> (New, Existing, or Recover)
W-M-#	Mechanically Fastened Assemblies over <i>Wood Deck</i> (New or Existing)

Assemblies with All Layers Adhered over Concrete Deck (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
C-A-1	-	Min. 1.5-inch Insulfoam VIII	CR-20	<i>DensDeck or DensDeck Prime</i>	CR-20	<i>HA BUR Base or TA APP Base</i>	OPTIONAL <i>HA BUR Ply or TA APP Ply</i>	<i>TA APP Cap</i>	-87.5 (Lim. 9)
C-A-2	-	Min. 1.5-inch Insulfoam VIII	CR-20	SECUROCK	CR-20	<i>HA BUR Base or TA APP Base</i>	OPTIONAL <i>HA BUR Ply or TA APP Ply</i>	<i>TA APP Cap</i>	-87.5 (Lim. 9)

Assemblies with All Layers Adhered over Concrete Deck (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
C-A-3	-	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	OB500	DensDeck, DensDeck Prime or SECUROCK	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
C-A-4	-	OPTIONAL Min. 1.5-inch ISO V	OB500	Min. 1/2-inch Structodek High Density Fiberboard	OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
C-A-5	-	OPTIONAL Min. 1.5-inch ENRGY 3	OB500	DensDeck, DensDeck Prime or SECUROCK	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-127.5 (Lim. 9)
C-A-6	-	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL	OB500	DensDeck, DensDeck Prime or SECUROCK	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-150 (Lim. 9)
C-A-7	-	Min. 1.5-inch Insulfoam II	CR-20	DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
C-A-8	-	Min. 1.5-inch Insulfoam II	CR-20	SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
C-A-9	-	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	Min. 1/2-inch Structodek High Density Fiberboard	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
C-A-10	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	Hot Asphalt	Min. 1/2-inch Structodek High Density Fiberboard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-187.5 (Lim. 9)
C-A-11	-	Min. 1.5-inch ISO VII	CR-20	Min. 1/2-inch Structodek High Density Fiberboard	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-187.5 (Lim. 9)
C-A-12	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	OB500	Min. 1/2-inch DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-202.5 (Lim. 9)
C-A-13	ASTM D 41	Min. 2-inch ISO V	Hot Asphalt	SECUROCK	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)
C-A-14	-	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)



Assemblies with All Layers Adhered over Concrete Deck (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
C-A-15	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	OB500	SECUROCK	OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)
C-A-16	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	Hot Asphalt	Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
C-A-17	ASTM D 41	Min. 2-inch ISO V	Hot Asphalt	SECUROCK	Hot Asphalt	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
C-A-18	-	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
C-A-19	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	OB500	SECUROCK	OB500	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
C-A-20	-	Min. 1.5-inch Insulfoam IX	CR-20	DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)
C-A-21	-	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)
C-A-22	-	DensDeck, DensDeck Prime or SECUROCK	CR-20	-	-	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-245 (Lim. 9)
C-A-23	-	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	PlyLink SFA	SECUROCK	PlyLink SFA	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-262.5 (Lim. 9)
C-A-24	-	Min. 1.5-inch ISO VII	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-270 (Lim. 9)
C-A-25	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	Hot Asphalt	DensDeck or DensDeck Prime	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-302.5 (Lim. 9)
C-A-26	ASTM D 41	Min. 2-inch Multi-Max FA-3 or Tapered ThermoRoof-3	Hot Asphalt	SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-397.5 (Lim. 9)
C-A-27	ASTM D 41	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	Hot Asphalt	SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-487.5 (Lim. 9)
C-A-28	ASTM D 41	-	-	-	-	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-495 (Lim. 9)

Assemblies with All Layers Adhered over Concrete Deck (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
C-A-29	-	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	CR-20 ribbons spaced 6-inches	SECUROCK	CR-20 ribbons spaced 6-inches	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-580 (Lim. 9)
C-A-30	-	Min. 2-inch Multi-Max FA-3 or Tapered Thermaroof-3	CR-20 ribbons spaced 6-inches	SECUROCK	CR-20 ribbons spaced 6-inches	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-625 (Lim. 9)
C-A-31	-	Min. 2-inch Multi-Max FA-3 or Tapered Thermaroof-3	OB500 ribbons spaced 6-inches	SECUROCK	OB500 ribbons spaced 6-inches	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-630 (Lim. 9)

Assemblies with Adhered Membranes over Fastened Insulation over Concrete Deck (New, Existing, or Recover)									
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)	
C-AM-1	Min. 1.5-inch ISO II or Min. 2-inch H-Shield	CD Fasteners and Plates at a rate of 1 fastener per 4-ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)	
C-AM-2	Min. 1.5-inch ISO II or Min. 2-inch H-Shield	CD Fasteners and Plates at a rate of 1 fastener per 4-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)	
C-AM-3	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 2 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)	
C-AM-4	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 2 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-45 (Lim. 7)	
C-AM-5	Min. 2-inch ISO IV	CD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	CR-20 ribbons spaced 6-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)	
C-AM-6	Min. 2-inch ISO IV	CD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	OB500 ribbons spaced 6-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)	



Assemblies with Adhered Membranes over Fastened Insulation over Concrete Deck (New, Existing, or Recover)								
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
C-AM-7	Min. 2-inch AC Foam-II or Multi-Max FA3	CD Fasteners and Plates (not Dekfast) at a rate of 1 fastener per 2-ft ²	Min. 3/8-inch SECUROCK	CR-20 or OB500 ribbons spaced 12-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
C-AM-8	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
C-AM-9	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-60 (Lim. 7)
C-AM-10	Min. 2-inch ISO III	CD Fasteners and Plates at a rate of 1 fastener per 1.6-ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
C-AM-11	Min. 2-inch ISO III	CD Fasteners and Plates at a rate of 1 fastener per 1.6-ft ²	DensDeck Prime or SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
C-AM-12	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
C-AM-13	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	CD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-67.5 (Lim. 7)
C-AM-14	Min. 2-inch ISO IV	CD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-75 (Lim. 7)

Mechanically Fastened Assemblies over Concrete Deck (New, Existing, or Recover)							
System No.	Insulation	Insulation Attachment	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
C-M-1	Min. 1.5-inch Insulation	Preliminarily Secured	DuraFlex 30 SBS Base or USP Base Sheet	SD Fasteners and Plates (not Dekfast) at 12-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two (2) equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)

Mechanically Fastened Assemblies over Concrete Deck (New, Existing, or Recover)							
System No.	Insulation	Insulation Attachment	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
C-M-2	Min. 1.5-inch Insulation	Preliminarily Secured	DuraFlex 30 SBS Base or USP Base Sheet	SD Fasteners and Plates (not Dekfast) at 6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in two (2) equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-135 (Lim. 7)

Assemblies with All Layers Adhered over Cementitious Wood Fiber Deck (New or Existing)								
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
CW-A-1	Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3	OB500	Min. 1/2-inch Structodek High Density Fiberboard	OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 9)
CW-A-2	Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3	OB500	Min. 1/2-inch SECUROCK, DensDeck or DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 9)
CW-A-3	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	Min. 1/2-inch Structodek High Density Fiberboard	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 9)
CW-A-4	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	Min. 1/2-inch SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 9)

Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or Recover)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
CW-AM-1	(NEW OR EXISTING ONLY) USP Base Sheet or DuraFlex 30 SBS Base with Trufast Insuldeck Loc-Nails secured 9-inch o.c. in 4-inch side laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in Hot Asphalt	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-30 (Lim. 7)



Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or Recover)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
CW-AM-2	(NEW OR EXISTING ONLY) USP Base Sheet or DuraFlex 30 SBS Base with Trufast Insuldeck Loc-Nails secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch AC Foam-II, ENRGY 3 or Multi-Max FA3 adhered in <i>Hot Asphalt</i>	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
CW-AM-3	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with min. 1.8-inch embedment using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch AC Foam-II, ENRGY 3 or Multi-Max FA3 adhered in <i>Hot Asphalt</i>	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
CW-AM-4	USP Base Sheet or DuraFlex 30 SBS Base with min. 1.8-inch embedment using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch AC Foam-II, ENRGY 3 or Multi-Max FA3 ribbon adhered in <i>OB500</i>	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation ribbon adhered in <i>OB500</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
CWAM-5	-	OPTIONAL <i>Insulation</i> simultaneously secured with top insulation	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation secured using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft ² with min. 1-inch embedment	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
CW-AM-6	-	OPTIONAL <i>Insulation</i> simultaneously secured with top insulation	SECUROCK, DensDeck or DensDeck Prime secured using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft ² with min. 1-inch embedment	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)

Mechanically Fastened Assemblies over Cementitious Wood Fiber Deck (New, Existing, or Recover)						
System No.	Insulation	Base Sheet	Attachment	Ply Sheet	Cap Sheet	MDP (psf)
CW-M-1	-	USP Base Sheet or DuraFlex 30 SBS Base	(NEW OR EXISTING ONLY) Trufast Insuldeck Loc-Nails secured 9-inch o.c. in 4-inch side laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-30 (Lim. 7)
CW-M-2	-	USP Base Sheet or DuraFlex 30 SBS Base	(NEW OR EXISTING ONLY) Trufast Insuldeck Loc-Nails secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-45 (Lim. 7)
CW-M-3	-	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch embedment using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-45 (Lim. 7)

Assemblies with All Layers Adhered over Gypsum Deck (Existing)								
System No.	Base Insulation	Base Insulation Attachment	Cover Board	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
G-A-1	Min. 1.5-inch Insulfoam VIII	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-87.5 (Lim. 9)
G-A-2	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	OB500	SECUROCK, DensDeck or DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
G-A-3	OPTIONAL Min. 1.5-inch ISO V	OB500	Min. 1/2-inch Structodek High Density Fiberboard	OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
G-A-4	OPTIONAL Min. 1.5-inch ENRGY 3	OB500	SECUROCK, DensDeck or DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-127.5 (Lim. 9)
G-A-5	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL	OB500	SECUROCK, DensDeck or DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-135 (Lim. 9)
G-A-6	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	OB500	SECUROCK or Min. 1/2-inch DensDeck Prime	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-135 (Lim. 9)
G-A-7	Min. 1.5-inch Insulfoam II	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)



Assemblies with All Layers Adhered over Gypsum Deck (Existing)								
System No.	Base Insulation	Base Insulation Attachment	Cover Board	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
G-A-8	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
G-A-9	Min. 1.5-inch ISO VII	CR-20	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-187.5 (Lim.9)
G-A-10	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)
G-A-11	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
G-A-12	Min. 1.5-inch Insulfoam IX	CR-20	DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)
G-A-13	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)
G-A-14	SECUROCK, DensDeck or DensDeck Prime	CR-20	-	-	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-245 (Lim. 9)
G-A-15	Min. 1.5-inch ISO VII	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-257.5 (Lim. 9)



Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
G-AM-1	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in <i>Hot Asphalt</i>	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in <i>Hot Asphalt</i>	<i>HA BUR Base</i>	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
G-AM-2	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in one(1) center row	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in <i>Hot Asphalt</i>	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in <i>Hot Asphalt</i>	<i>HA BUR Base</i>	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
G-AM-3	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in <i>Hot Asphalt</i>	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in <i>Hot Asphalt</i>	<i>HA BUR Base</i>	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
G-AM-4	USP Base Sheet or DuraFlex 30 SBS Base with PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 ribbon adhered in <i>OB500</i>	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation ribbon adhered in <i>OB500</i>	<i>HA BUR Base</i>	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
G-AM-5	-	OPTIONAL <i>Insulation</i> simultaneously secured with top insulation	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft ² with min. 1-inch embedment	<i>HA BUR Base</i>	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)



Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
G-AM-6	-	OPTIONAL Insulation simultaneously secured with top insulation	SECUROCK, DensDeck or DensDeck Prime using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft ² with min. 1-inch embedment	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)

Mechanically Fastened Assemblies over Gypsum Deck (New or Existing)						
System No.	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
G-M-1	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-45 (Lim. 7)
G-M-2	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-45 (Lim. 7)
G-M-3	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply	TA APP Cap	-45 (Lim. 7)

Lightweight Concrete Assemblies with All Layers Adhered over Concrete Deck (New or Existing)							
System No.	LWIC	Base Insulation	Cover Board	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
LC-A-1	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch Insulfoam VIII ribbon adhered with CR-20	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-87.5 (Lim. 9)
LC-A-2	Min. 200 psi Elastizell	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX ribbon adhered in OB500	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
LC-A-3	Min. 200 psi Elastizell	OPTIONAL ISO V ribbon adhered in OB500	Min. 1/2-inch Structodek High Density Fiberboard ribbon adhered in OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)



Lightweight Concrete Assemblies with All Layers Adhered over Concrete Deck (New or Existing)							
System No.	LWIC	Base Insulation	Cover Board	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
LC-A-4	Min. 200 psi Elastizell	OPTIONAL Min. 1.5-inch ENRGY 3 ribbon adhered in OB500	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-127.5 (Lim. 9)
LC-A-5	Min. 200 psi Elastizell	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL ribbon adhered in OB500	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-150 (Lim. 9)
LC-A-6	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch Insulfoam II ribbon adhered with CR-20	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
LC-A-7	Min. 200 psi Elastizell	Min. 1.5-inch Insulfoam IX or OPTIONAL Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with CR-20	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
LC-A-8	Min. 200 psi Elastizell	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield ribbon adhered in OB500	Min. 1/2-inch DensDeck Prime ribbon adhered in OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-202.5 (Lim. 9)
LC-A-9	Min. 200 psi Celcore	Min. 1.5-inch Insulfoam IX or OPTIONAL Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with CR-20	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
LC-A-10	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with CR-20	SECUROCK ribbon adhered in CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)
LC-A-11	Min. 200 psi Elastizell	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield ribbon adhered in OB500	SECUROCK ribbon adhered in OB500	TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-225 (Lim. 9)
LC-A-12	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with CR-20	SECUROCK ribbon adhered in CR-20	TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
LC-A-13	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with CR-20	DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)

Lightweight Concrete Assemblies with All Layers Adhered over Concrete Deck (New or Existing)							
System No.	LWIC	Base Insulation	Cover Board	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
LC-A-14	Min. 200 psi Mearlcrete	OPTIONAL Min. 1-inch /ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with CR-20	SECUROCK, DensDeck or DensDeck Prime ribbon adhered in CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)

Mechanically Fastened Lightweight Concrete Assemblies over Concrete Deck (New or Existing)						
System No.	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
LC-M-1	Min. 200 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7.5-inch o.c. in the laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-30 (Lim. 7)
LC-M-2	Min. 225 psi Celcore MF	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
LC-M-3	Min. 200 psi Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
LC-M-4	Min. 300 psi Mearlcrete	USP Base Sheet or DuraFlex 30 SBS Base	Trufast FM-90 Assembled BaseSheet Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
LC-M-5	Min. 300 psi Cellular Lightweight Concrete (MCRF ≥ 88 lbf using 1.8-inch Trufast Twin Loc-Nails)	USP Base Sheet or DuraFlex 30 SBS Base	Min.1.8-inch Ply Fast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 9-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)

Mechanically Fastened Lightweight Concrete Assemblies over <i>Concrete Deck</i> (New or Existing)						
System No.	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
LC-M-6	Min. 300 psi Celcore MF with HS Rheology Admixture	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 9-inch o.c. in the laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-60 (Lim. 7)
LC-M-7	Min. 350 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 6-inch o.c. in the laps and 6-inch o.c. in three (3), equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-67.5 (Lim. 7)

Mechanically Fastened Lightweight Concrete Assemblies over <i>Steel Deck</i> (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
LS-M-1	<i>G40, L5</i>	Min. 200 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Sheet Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7.5-inch o.c. in the laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	<i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-30 (Lim. 7)
LS-M-2	<i>G40, L5</i>	Min. 225 psi Celcore MF	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch PlyFast Double-Lock Nails or Twin Loc-Nails secured 9-inch o.c. in the laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	<i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
LS-M-3	<i>G40, L5</i>	Min. 200 psi Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Sheet Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	<i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-45 (Lim. 7)
LS-M-4	<i>G40, L5</i>	Min. 300 psi Mearcrete	USP Base Sheet or DuraFlex 30 SBS Base	Trufast FM-90 Assembled Base Sheet Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	<i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-52.5 (Lim. 7)
LS-M-5	<i>G40, L5</i>	Min. 300 psi Cellular Lightweight Concrete (MCRF ≥ 88 lbf using 1.8-inch Twin Loc-Nails)	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch Ply Fast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 9-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply</i> or <i>TA APP Ply</i>	<i>TA APP Cap</i>	-60 (Lim. 7)

Mechanically Fastened Lightweight Concrete Assemblies over Steel Deck (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
LS-M-6	G40, L5	Min. 300 psi Celcore MF with HS Rheology Admixture	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 9-inch o.c. in the laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
LS-M-7	G40, L5	Min. 350 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 6-inch o.c. in the laps and 6-inch o.c. in three (3), equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)

Recover Assemblies with All Layers Adhered									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
R-A-1	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam VIII	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-87.5 (Lim. 9)
R-A-2	Asphalt BUR	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	OB500	DensDeck, DensDeck Prime or SECUROCK	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
R-A-3	Asphalt BUR	OPTIONAL Min. 1.5-inch ISO V	OB500	Min. 1/2-inch Structodek High Density Fiberboard	OB500	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
R-A-4	Asphalt BUR	OPTIONAL Min. 1.5-inch ISO V	OB500	DensDeck, DensDeck Prime or SECUROCK	OB500	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-120 (Lim. 9)
R-A-5	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam II	CR-20	SECUROCK, DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)
R-A-6	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	Min. 1/2-inch Structodek High Density Fiberboard	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-180 (Lim. 9)

Recover Assemblies with All Layers Adhered									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
R-A-7	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch ISO VII	CR-20	Min. 1/2-inch Structodek High Density Fiberboard	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-187.5 (Lim. 9)
R-A-8	Sand surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	CR-20	DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-9	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-10	Sand surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-11	Sand surfaced modified bitumen	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-12	Sand surfaced modified bitumen	DensDeck, DensDeck Prime or SECUROCK	CR-20	-	-	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-13	Sand surfaced modified bitumen	Min. 1.5-inch ISO VII	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-222.5 (Lim. 9)
R-A-14	Smooth surface BUR or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	CR-20	SECUROCK	CR-20	TA APP Base	OPTIONAL TA APP Ply	TA APP Cap	-232.5 (Lim. 9)
R-A-15	Smooth surface BUR or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	CR-20	DensDeck or DensDeck Prime	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)
R-A-16	Smooth surface BUR or granule surfaced modified bitumen	Min. 1-inch ISO VI; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-240 (Lim. 9)



Recover Assemblies with All Layers Adhered									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
R-A-17	Smooth surface BUR or granule surfaced modified bitumen	DensDeck, DensDeck Prime or SECUROCK	CR-20	-	-	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-245 (Lim. 9)
R-A-18	Smooth surface BUR	Min. 1.5-inch ISO VII	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-262.5 (Lim. 9)
R-A-19	Granule surfaced modified bitumen	Min. 1.5-inch ISO VII	CR-20	DensDeck, DensDeck Prime or SECUROCK	CR-20	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-270 (Lim. 9)
R-A-20	Smooth or granule surface APP, Granule surface SBS or Smooth or granule surface asphalt-BUR	-	-	-	-	OPTIONAL TA APP Base	-	TA APP Cap	-877.5 (Lim. 9)

Assemblies with Adhered Membranes over Fastened Insulation over Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
S-AM-1	G40	Min. 1.5-inch ISO II or Min. 2-inch H-Shield	SD Fasteners and Plates at a rate of 1 fastener per 4-ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
S-AM-2	G40	Min. 1.5-inch ISO II or Min. 2-inch H-Shield	SD Fasteners and Plates at a rate of 1 fastener per 4-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
S-AM-3	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 2 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
S-AM-4	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 2 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-45 (Lim. 7)

Assemblies with Adhered Membranes over Fastened Insulation over Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	MDP (psf)
S-AM-5	G40	Min. 2-inch ISO IV	SD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	CR-20 ribbons spaced 6-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
S-AM-6	G40	Min. 2-inch ISO IV	SD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 1/2-inch DensDeck Prime or SECUROCK	OB500 ribbons spaced 6-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
S-AM-7	G40	Min. 2-inch AC Foam-II or Multi-Max FA3	SD Fasteners and Plates (not Dekfast) at a rate of 1 fastener per 2-ft ²	Min. 3/8-inch SECUROCK	CR-20 or OB500 ribbons spaced 12-inch o.c.	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
S-AM-8	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
S-AM-9	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-60 (Lim. 7)
S-AM-10	G40	Min. 2-inch ISO III	SD Fasteners and Plates at a rate of 1 fastener per 1.6-ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
S-AM-11	G40	Min. 2-inch ISO III	SD Fasteners and Plates at a rate of 1 fastener per 1.6-ft ²	DensDeck Prime or SECUROCK	Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
S-AM-12	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-67.5 (Lim. 7)
S-AM-13	G40	Min. 1.5-inch Insulation	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	SD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	CA APP Base	OPTIONAL CA APP Ply	CA APP Cap	-67.5 (Lim. 7)
S-AM-14	G40	Min. 2-inch ISO IV	SD Fasteners and Plates at a rate of 1 fastener per 1.45-ft ²	Min. 3/4-inch FescoBoard	Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-75 (Lim. 7)



Mechanically Fastened Assemblies over Steel Deck (New, Existing, or Recover)							
System No.	Deck Detail	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
S-M-1	G40	Min. 1.5-inch Insulation Preliminarily Secured	DuraFlex 30 SBS Base or USP Base Sheet	SD Fasteners and Plates (not Dekfast) 12-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two (2) equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
S-M-2	G40	Min. 1.5-inch Insulation Preliminarily Secured	DuraFlex 30 SBS Base or USP Base Sheet	SD Fasteners and Plates (not Dekfast) 6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in two (2) equally spaced, staggered center rows	HA BUR Ply or TA APP Ply	TA APP Cap	-135 (Lim. 7)

Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Wood Deck (New, Existing, or Recover)								
System No.	Deck Detail	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	MDP (psf)
W-AM-1	T15/32O L24	-	Insulation through fastened with top insulation	DensDeck Prime or SECUROCK secured with WD Fasteners and Plates (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-30 (Lim. 7)
W-AM-2	T15/32O L24	-	Min. 1.5-inch ISO I secured with WD HD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
W-AM-3	T15/32O L24	-	Min. 1.5-inch ISO I secured with WD HD Fasteners & Plates at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
W-AM-4	T15/32O L24	-	Min. 1.5-inch ISO I secured with WD HD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in Hot Asphalt	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-AM-5	T15/32O L24	-	Min. 1.5-inch ISO I secured with WD HD Fasteners & Plates at a rate of 1 fastener per 1 ft ²	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in Hot Asphalt	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)



Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over <i>Wood Deck (New, Existing, or Recover)</i>								
System No.	Deck Detail	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	MDP (psf)
W-AM-6	T15/32P L24	-	Min. 1.5-inch ISO / secured with <i>WD HD Fasteners & Plates</i> at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-AM-7	T15/32P L24	-	Min. 1.5-inch ISO / secured with <i>WD HD Fasteners & Plates</i> at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in <i>Hot Asphalt</i>	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-AM-8	T15/32O L24	-	Insulation through fastened with top insulation	DensDeck Prime or SECUROCK secured with OMG 3" Galvalume Steel Plate with OMG Heavy Duty fastener at a rate of 1 fastener per 1 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-AM-9	T15/32P L24	-	Insulation through fastened with top insulation	DensDeck Prime or SECUROCK secured with <i>WD Fasteners and Plates</i> (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-AM-10	T15/32P L24	-	Insulation through fastened with top insulation	DensDeck Prime or SECUROCK secured with <i>WD Fasteners and Plates</i> (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft ²	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
W-AM-11	T15/32P L24	-	Min. 1.5-inch ISO / secured with <i>WD HD Fasteners & Plates</i> at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)
W-AM-12	T15/32P L24	-	Min. 1.5-inch ISO / secured with <i>WD HD Fasteners & Plates</i> at a rate of 1 fastener per 1.33 ft ²	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in <i>Hot Asphalt</i>	HA BUR Base or TA APP Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-60 (Lim. 7)



Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over <i>Wood Deck (New, Existing, or Recover)</i>								
System No.	Deck Detail	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	MDP (psf)
W-AM-13	T15/32P L24	USP Base Sheet secured with <i>WD Fasteners and Plates</i> (PlyFast and TruFast only) at 6-inch o.c. in the lap and 12-inch o.c. in two (2) equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ISO fully adhered in <i>Hot Asphalt</i>	Min. 1/2-inch Structodek High Density Fiberboard, SECUROCK or DensDeck Prime or Min. 3/4-inch FescoBoard fully adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-75 (Lim. 7)
W-AM-14	T15/32P L24	MA Base secured with <i>WD Fasteners and Plates</i> (OMG only) at 6-inch o.c. in the lap and 12-inch o.c. in two (2) equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ISO fully adhered in <i>Hot Asphalt</i>	Min. 1/2-inch Structodek High Density Fiberboard, SECUROCK or DensDeck Prime or Min. 3/4-inch FescoBoard fully adhered in <i>Hot Asphalt</i>	HA BUR Base	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-75 (Lim. 7)

Mechanically Fastened Assemblies over <i>Wood Deck (New or Existing)</i>							
System No.	Deck Detail	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
W-M-1	T15/32P or T15/32O, L24	-	MA Base	Min. 1.25-inch Steel Round Jevcaps at 9-inch o.c. in the lap and two (2) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-22.5 (Lim. 7)
W-M-2	T15/32P or T15/32O, L24	-	MA Base	Min. 1.25-inch Steel Round Jevcaps at 9-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-30 (Lim. 7)
W-M-3	T15/32P or T15/32O, L24	-	MA Base	Min. 1.25-inch Jevcap Hurricane Capnails at 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
W-M-4	Min. 1x6 wood plank	-	MA Base	Min. 1.25-inch Steel Round Jevcaps at 6-inch o.c. in the lap and two (2) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-45 (Lim. 7)
W-M-5	Min. 1x6 wood plank	-	MA Base	Min. 1.25-inch Steel Round Jevcaps at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)
W-M-6	T19/32P L24	-	MA Base	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin capsat 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL HA BUR Ply or TA APP Ply	TA APP Cap	-52.5 (Lim. 7)



Mechanically Fastened Assemblies over <i>Wood Deck (New or Existing)</i>							
System No.	Deck Detail	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
W-M-7	<i>T15/32P or T15/32O, L24</i>	-	<i>MA Base</i>	Min. 1.25-inch Jevcap Hurricane Capnails at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply or TA APP Ply</i>	<i>TA APP Cap</i>	-60 (Lim. 7)
W-M-8	<i>T19/32P L24</i>	-	<i>MA Base</i>	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin caps at 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply or TA APP Ply</i>	<i>TA APP Cap</i>	-60 (Lim. 7)
W-M-9	<i>T19/32P L24</i>	-	<i>MA Base</i>	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin caps at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL <i>HA BUR Ply or TA APP Ply</i>	<i>TA APP Cap</i>	-67.5 (Lim. 7)

END OF REPORT