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NEMO EVALUATION REPORT (NER)

RESISTO a division of SOPREMA, Inc.
310 Quadral Drive
Wadsworth, OH 44281
(800) 356-3521

SUBJECT:	**RESISTO Modified Bitumen Roof Systems**
SCOPE:	This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO|cert. NEMO Evaluations has evaluated the product described herein for compliance with the Code sections noted herein.
CODE:	2018 International Building Code 2018 International Building Code, Residential 2021 International Building Code 2021 International Building Code, Residential 2023 Florida Building Code, 8th Edition 2023 Florida Building Code, Residential, 8th Edition TDI Third-Party Evaluation Report Acceptance
FBC JURISDICTION:	Non-HVHZ and HVHZ
NEMO CATEGORY:	Modified Bitumen
FBC CATEGORY:	Roofing
FBC SUB-CATEGORY:	Modified Bitumen Roof Systems
CSI DIVISION:	07 00 00 Thermal and Moisture Protection 07 52 00 Modified Bituminous Sheet Roofing
FBC METHOD:	Method 1, Option C – Codified Material, Evaluation by Evaluation Entity
COMPLIANCE STATEMENT:	**RESISTO Modified Bitumen Roof Systems**, as produced by **RESISTO a division of SOPREMA, Inc.**, have demonstrated compliance with the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.
QUALITY ASSURANCE:	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of NEMO|cert.
CONTINUED COMPLIANCE:	This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.
BUILDING PERMIT REQUIREMENTS:	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.
ADVERTISEMENT:	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.
CERTIFICATION OF INDEPENDENCE:	✓ NEMO CERT, LLC has not, nor does it intend to acquire or will they acquire, a financial interest in any company manufacturing or distributing products it evaluates. ✓ NEMO CERT LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates. ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.

LINK TO TOP OF ATTACHMENT REQUIREMENTS

ISO/IEC 17065 PCA-145

ISO/IEC 17020 AA-779

1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601, ASTM D1970
	1507.11.2	Material standard	ASTM D6163, D6222
2018 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2, R905.11.2.1	Material standard	ASTM D4601, ASTM D1970
	R905.11.2	Material standard	ASTM D6163, D6222
2021 International Building Code	1504.4.1	Wind resistance	FM 4474
	1504.7	Physical properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.11.2.1	Material standard	ASTM D1970
	1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6222
2021 International Building Code, Residential	R902.1	Fire Classification	UL 790
	R905.11.2.1	Material standard	ASTM D1970
	R905.11.2.1	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6163, D6222
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire Classification	UL 790
	1507.6.3, TAS 110	Material standard	ASTM D1970
	1507.10.2, TAS 110	Material standard	ASTM D4601
	1507.11.2, TAS 110	Material standard	ASTM D6163, D6222
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
2023 Florida Building Code, Residential, 8th Edition	R902.1	Fire Classification	UL 790
	R905.5.3	Material standard	ASTM D1970
	R905.9.2	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6163, D6222

2. PRODUCTS:

TABLE 1A: EVALUATED SOPREMA MEMBRANES
(NEMO Certified. Consult Directory of Certified Products for production location(s))

TYPE	PRODUCT NAME	MATERIAL STANDARD REFERENCE	TYPE	GRADE
BASE SHEETS	MODIFIED SOPRA G	ASTM D4601	II	N/A
BASE PLY	RESISTO LB1236	ASTM D1970	N/A	N/A
	SELECT SBS GLASS STICK	ASTM D1970	N/A	N/A
	Beacon Roofing "TRI-BUILT Sand-R SA Shingle Underlayment"	ASTM D1970	N/A	N/A
	PrimeSource Building Products "Grip-Rite Eave & Valley Protector"	ASTM D1970	N/A	N/A
	SRS Distribution "TopShield ICE & WATER DEFENDER"	ASTM D1970	N/A	N/A
	LASTOBOND REINFORCED HT	ASTM D1970	N/A	N/A

TABLE 1B: EVALUATED SOPREMA COMPONENTS
(Contact contact@nemocert.com for production location(s) of non-Certified products)

TYPE	PRODUCT NAME	MATERIAL STANDARD REFERENCE	TYPE	GRADE
BASE SHEETS	RESISTOFLEX	ASTM D4601	II	N/A
BASE PLY	SA Smooth Ply 40	ASTM D1970	N/A	N/A
	SA Base	ASTM D6163	I	S
	BITUTAK MB SMOOTH	ASTM D6222	I	S
	SELECT APP POLY SP	ASTM D6222	I	S
CAP PLY	SA Cap GR	ASTM D6163	I	G
	SA Cap FR GR	ASTM D6163	I	G
	BITUTAK MB SMOOTH	ASTM D6222	I	S
	SELECT APP POLY SP	ASTM D6222	I	S
	BITUTAK MB MINERAL	ASTM D6222	I	G
	SELECT APP POLY FLAM GR	ASTM D6222	I	G

TABLE 2: COMPONENTS BY OTHERS (4.1.3)
(Refer to current NOA if listed version was superseded to ensure use of latest version)

TYPE	RESISTO PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ROOFING FASTENERS:	SOPREMA #12 DP Fasteners	Trufast #12 DP	FL4500	25-0129.08
	SOPREMA 3" Metal Insulation Plates	Trufast 3" Metal Insulation Plates		
PRIMERS:	RESISTO EXTERIOR PRIMER	N/A	N/A	N/A
INSULATION:	SOPRA-ISO s	ACFoam-II	FL17989	24-1120.02
	SOPRA-ISO r	H-Shield	FL5968	24-1021.04
ADHESIVE:	RESISTOBOND	DUOTACK 365	FL3915	22-0929.06
	N/A	OlyBond 500 Adhesive Fastener	FL1608	24-0422.18
	N/A	INSTA STIK Quik Set Commercial Roofing Adhesive	N/A	N/A

3. INSTALLATION:

3.1 **RESISTO Modified Bitumen Roof Systems** shall be installed in accordance with **RESISTO a division of SOPREMA, Inc.** published installation instructions, subject to the Limitations of Use noted herein.

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

TABLE 3: FASTENER REFERENCES

ROOF DECK	PARTS		FASTENER ENGAGEMENT
	FASTENERS	PLATES	
WOOD, ENGINEERED SHEATHING OR PLANK	SOPREMA #12 DP Fastener, SOPREMA #15 HD Fastener, SOPREMA #15 Fastener, Trufast #12 DP, Trufast #15 EHD, Dekfast DF-#15-PH3	SOPREMA 3 in. Insulation Plate, SOPREMA 3" Metal Insulation Plate, Dekfast PLT-R-3, or Trufast 3" Metal Insulation Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)

3.1.2 Insulation:

(a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC/FBC Chapter 26, when installed with the roof cover.

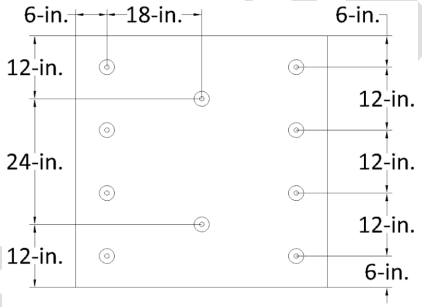
(b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

(c) RESERVED.

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

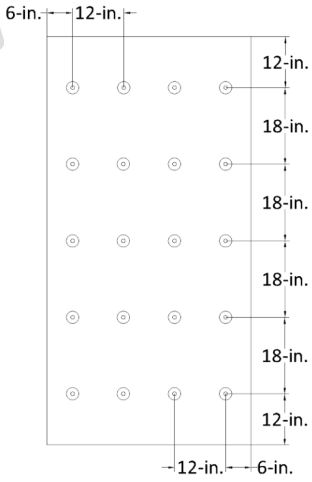
TABLE 4: INSULATION ATTACHMENT PATTERNS

4x4 FT BOARDS



1 per 1.6 ft² (10 per board)

4x8 FT BOARDS



1 per 1.6 ft² (20 per board)

(e) Preliminary insulation attachment:

- IBC or FBC Non-HVHZ: Unless otherwise noted, use Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

3.1.3 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. 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.

TABLE 5: INSULATION ADHESIVE REFERENCES

ADHESIVE	REFERENCE	MINIMUM RATE
RESISTOBOND	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.
INSTA STIK Quik Set Commercial Roofing Adhesive	INSTA STIK	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.
OlyBond 500 Adhesive Fastener	OlyBond 500	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)
hot asphalt	N/A	Full coverage at 25-30 lbs/square

(b) Unless otherwise noted, all adhered 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 selected assembly.

TABLE 6: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS

ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (PSF)
RESISTOBOND	Any polyisocyanurate listed with adhesive herein	0.5	-459.5
OlyBond 500	SOPRA-ISO r or H-Shield	0.5	-315.0
OlyBond 500	SOPRA-ISO s or ACF0am II	0.5	-487.5

(c) Adhered Insulation, Board Size:

- FBC Non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

(a) For bonded membrane applications, unless otherwise noted, refer to the following.

TABLE 7: MEMBRANE / ADHESIVE COMBINATIONS

REFERENCE	LAYER	MATERIAL	APPLICATION
SBS-SA	Base Ply or Ply:	SA Smooth Ply 40, LASTOBOND REINFORCED HT	Self-Adhering
	Cap Ply:	SA Cap GR or SA Cap FR GR	Self-Adhering
SBS-SA2	Base Ply or Ply:	RESISTO LB1236, SELECT SBS GLASS STICK, TRI-BUILT Sand-R SA Shingle Underlayment, Grip-Rite Eave & Valley Protector, or TopShield ICE & WATER DEFENDER	Self-Adhering
APP-TA	Base Ply or Ply:	BITUTAK MB SMOOTH, SELECT APP POLY SP	Torch-Applied
	Cap Ply:	BITUTAK MB SMOOTH, SELECT APP POLY SP, BITUTAK MB MINERAL, or SELECT APP POLY FLAM GR	Torch-Applied

4. LIMITATIONS OF USE:

4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.1.2 Roof Decks:

(a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.

(b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.

(d) The table below lists various 'as-tested' deck conditions in accordance with Testing Application Standard TAS 114(J).

TABLE 8: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)

TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (PSF)
15/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-67.5
	24	#10 wood screws	6	-120.0
	24	#10 wood screws	4	-112.5
19/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-60.0
	24	#8 wood screws	6	-127.5
Nominal 1" T&G wood plank	24	#10 wood screws	6	-135.0

4.1.3 Fire Classification:

(a) Refer to **IBC / FBC 1505, FBC HVHZ 1516, UL** TGFU.R21824 and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

(b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C.** Rule 61G20-3. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 **Jurisdiction Specific:**

	IBC and FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to **IBC 1504.6 or FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to **RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to **IBC 1512 or FBC 1511** for requirements and limitations regarding recover installations.	Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
(a)	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **TAS 105**.	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **TAS 105**.
(b)	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **FM Loss Prevention Data Sheet 1-52** or **TAS 124** shall be conducted on mock-ups of the proposed interface.	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **TAS 124** shall be conducted on mock-ups of the proposed interface.
(c)	For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **FM Loss Prevention Data Sheet 1-52** or **TAS 124**.	For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **TAS 124**.
4.2.3	Wind Load Resistance:	
(a)	Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.	
(b)	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 *(the 2 to 1 margin of safety per **FBC 1504.9** has already been applied)*. Refer to **IBC / FBC 1609** for determination of design wind loads.	"MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 *(the 2 to 1 margin of safety per **TAS 114** has already been applied)*. Refer to **FBC HVHZ 1620** or **RAS 128** for determination of design wind loads.
(c)	The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **IBC / FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **RAS 117** and **RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements.	Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **RAS 117** or **RAS 137**.
(d)	For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.	For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.

4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE					
TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
9A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	8
9B	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	8
9C	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	9
9D	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	9
9E	Wood	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet (nails), Bonded Roof Cover	9
9F	Wood	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	10

TABLE 9A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
W-1.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield or SOPRA-ISO r	RESISTOBOND, INSTA STIK or OlyBond 500, 12" o.c.	(Optional) Additional layers(s) base insulation	RESISTOBOND, INSTA STIK or OlyBond 500, 12" o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-52.5
W-2.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield or SOPRA-ISO r	RESISTOBOND, INSTA STIK or OlyBond 500, 6" o.c.	(Optional) Additional layers(s) base insulation	RESISTOBOND, INSTA STIK or OlyBond 500, 6" o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-105.0

TABLE 9B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			BASE INSULATION LAYER(S)		TOP INSULATION LAYER		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENERS (3.1.1, 4.2.2)	ATTACH	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
W-3.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	RESISTOFLEX	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced rows in the center of the sheet	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield or SOPRA-ISO r	INSTA STIK, 12" o.c.	(Optional) Additional layers(s) base insulation	INSTA STIK, 12" o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-37.5*
W-4.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	RESISTOFLEX	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield or SOPRA-ISO r	INSTA STIK, 6" o.c.	(Optional) Additional layers(s) base insulation	INSTA STIK, 6" o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-75.0

TABLE 9C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
SYSTEM NO.	DECK (4.1.2)	BASE INSULATION (3.1.2)	TOP INSULATION LAYER			PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENERS (3.1.1, 4.2.2)	ATTACH (3.1.2D)		BASE PLY	PLY	CAP PLY	
W-5.	Min. 15/32" APA rated plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r	3.1.1	1 per 1.6 ft^2	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA	None	SBS-SA	-67.5
W-6.	Min. 15/32" APA rated plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r	3.1.1	1 per 1.6 ft^2	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-67.5

TABLE 9D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENERS (3.1.1, 4.2.2)	ATTACH	BASE PLY	PLY	CAP PLY	
W-7.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	One or more layers, min. 1-inch, any combination, loose-laid	MODIFIED SOPRA-G	SOPREMA #12 DP Fasteners with SOPREMA 3" Metal Insulation Plates	8-inch o.c. at the 4-inch laps and 8-inch o.c. at three (3), equally spaced center rows	(Optional) APP-TA	(Optional) APP-TA	APP-TA	-120.0

TABLE 9E: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (NAILS), BONDED ROOF COVER										
SYSTEM NO.	DECK (4.1.2)	BASE SHEET			PRIMER	ROOF COVER (3.1.4)				MDP (PSF)
		BASE	FASTENERS (3.1.1, 4.2.2)	ATTACH		BASE PLY	PRIMER	PLY	CAP PLY	
W-8.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	MODIFIED SOPRA-G	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	6-inch o.c. at the 4-inch laps and 6-inch o.c. at four (4), equally spaced, staggered center rows	RESISTO EXTERIOR PRIMER	SA Base	RESISTO EXTERIOR PRIMER	None	SBS-SA	-37.5*
W-9.	Min. 19/32-inch APA rated plywood	MODIFIED SOPRA-G	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	7-inch o.c. at the 4-inch laps and 7-inch o.c. at three (3), equally spaced, staggered center rows	RESISTO EXTERIOR PRIMER	SA Base	RESISTO EXTERIOR PRIMER	None	SBS-SA	-37.5
W-10.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	MODIFIED SOPRA-G	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	6-inch o.c. at the 4-inch laps and 6-inch o.c. at four (4), equally spaced, staggered center rows	RESISTO EXTERIOR PRIMER	SA Base	RESISTO EXTERIOR PRIMER	None	SBS-SA	-45.0

TABLE 9E: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET (NAILS), BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	BASE SHEET			PRIMER	ROOF COVER (3.1.4)				MDP (PSF)
		BASE	FASTENERS (3.1.1, 4.2.2)	ATTACH		BASE PLY	PRIMER	PLY	CAP PLY	
W-11.	Min. 15/32" APA rated plywood	MODIFIED SOPRA-G	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	6-inch o.c. at the 4-inch laps and 6-inch o.c. at four (4), equally spaced, staggered center rows	RESISTO EXTERIOR PRIMER	SA Base	RESISTO EXTERIOR PRIMER	None	SBS-SA	-45.0

TABLE 9F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER NOT FOR USE IN FBC HVHZ JURISDICTIONS							
SYSTEM NO.	DECK (4.1.2, 4.2.2)	PRIMER	ROOF COVER (3.1.4)				MDP (PSF)
			BASE PLY	PRIMER	PLY	CAP PLY	
W-12.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	RESISTO EXTERIOR PRIMER	SA Base	RESISTO EXTERIOR PRIMER	None	SBS-SA	-45.0
W-13.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	None	SBS-SA	None	None	SBS-SA	-67.5
W-14.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	RESISTO EXTERIOR PRIMER	SBS-SA	None	None	SBS-SA	-75.0
W-15.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	None	(Optional) APP-TA	APP-TA	-97.5
W-16.	Min. 15/32-inch APA rated plywood	None	SBS-SA	None	None	SBS-SA	-105.0
W-17.	Min. 15/32-inch APA rated plywood	RESISTO EXTERIOR PRIMER	SBS-SA	None	None	SBS-SA	-112.5
W-18.	Nominal 1" T&G wood plank	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	None	(Optional) APP-TA	APP-TA	-135.0