



**NEMO|etc.**

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ENGINEER

EVALUATE

TEST

CONSULT

**EVALUATION REPORT BY FLORIDA P.E.**

**CertainTeed, LLC**  
20 Moores Road  
Malvern, PA 19355  
**(610) 893-5400**

**Evaluation Report C40710.12.13-R10**  
**FL16709-R10**  
**Date of Issuance: 2013-12-02**  
**Revision 10: 2022-01-25**

**SCOPE:**

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7<sup>th</sup> Edition (2020)** Florida Building Code sections noted herein.

**DESCRIPTION: Flintlastic® Modified Bitumen Roof Systems for use in FBC non-HVHZ jurisdictions**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

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

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

This Evaluation Report consists of pages 1 through 4, plus 25-page Appendix.

**Prepared by:**

**Robert J.M. Nieminen, P.E.**  
Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 2022-01-25. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

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

**ROOFING SYSTEMS EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Modified Bitumen Roof Systems  
**Product Approval Method:** Method 1, Option D – Codified Material, Evaluation by Engineer  
**Compliance Statement:** **Flintlastic® Modified Bitumen Roof Systems**, as produced by **CertainTeed, LLC**, have demonstrated compliance with the following sections of the **7<sup>th</sup> Edition (2020) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

Section	Property	Standard	Year
1504.3.1	Wind resistance	FM 4474	2011
1504.6	Accelerated weathering	ASTM G155	2013
1504.7	Impact resistance	FM 4470	2016
1507.1.1	Material standard	ASTM D1970	2015
1507.10.2	Material standard	ASTM D2178	2015
1507.10.2	Material standard	ASTM D4601	2012
1507.10.2	Material standard	ASTM D4897	2009
1507.11.2	Material standard	ASTM D6163	2015
1507.11.2	Material standard	ASTM D6164	2011
1507.11.2	Material standard	ASTM D6222	2011
1507.11.2	Material standard	ASTM D6509	2015
1519.11	Attachment Requirements	RAS 117	2020

**3. REFERENCES:**

Entity	Examination	Reference	Date
NEMO	Evaluation Report	3520.03.04-R28	01/25/2022
UL, LLC. (QUA9625)	Quality Assurance	Service Confirmation	11/13/2019
UL, LLC. (QUA9625)	Quality Assurance	Florida BCIS	Current

**4. PRODUCT DESCRIPTION:**

This Evaluation Report covers **Flintlastic® Modified Bitumen Roof Systems** installed in accordance with **CertainTeed, LLC** published installation instructions and the Limitations / Conditions of Use herein.

**TABLE 1: EVALUATED MEMBRANES**

Type	Product	Material Standard			Plant(s)
		Reference	Type	Grade	
Base Sheets	Flintlastic® SA NailBase	ASTM D4601	II	N/A	AR
	Glasbase™ Base Sheet	ASTM D4601	II	N/A	AR, OK <sup>1</sup>
	All Weather/Empire™ Base Sheet	ASTM D4601	II	N/A	AR
	Flintlastic® Base 20	ASTM D4601	II	N/A	AR
	Flintlastic® Poly SMS Base Sheet	ASTM D4601	II	N/A	AR
	Flintglas® MS Cap (inverted)	ASTM D4897	II	N/A	AR
Ply Sheets	Flintglas® Ply 4	ASTM D2178	IV	N/A	LA, OK <sup>1</sup>
	Flintglas® Premium Ply 6	ASTM D2178	VI	N/A	LA
Base/Ply Membranes (APP)	Flintlastic® APP Base T	ASTM D6509	N/A	N/A	AR
	Flintlastic® STA	ASTM D6222	I	S	AR
	Flintlastic® STA Plus	ASTM D6222	I	S	AR


<sup>1</sup> Indicates membrane/plant combination is Certified by ISO/IEC 17065 Certification Entity; **NEMO|cert.**  to the noted standard. Refer to [www.nemocert.com](http://www.nemocert.com) for details.

TABLE 1 (CONTINUED): EVALUATED MEMBRANES					
Type	Product	Material Standard			Plant(s)
		Reference	Type	Grade	
Cap Membranes (APP)	Flintlastic® STA	ASTM D6222	I	S	AR
	Flintlastic® STA Plus	ASTM D6222	I	S	AR
	Flintlastic® GTA	ASTM D6222	I	G	AR
	Flintlastic® GTA CoolStar®	ASTM D6222	I	G	AR
	Flintlastic® GTA-FR	ASTM D6222	I	G	AR
	Flintlastic® GTA-FR CoolStar®	ASTM D6222	I	G	AR
Base/Ply Membranes (SBS)	Black Diamond® Base Sheet	ASTM D1970	N/A	N/A	MN
	Flintlastic® SA PlyBase	ASTM D1970	N/A	N/A	AR
	Flintlastic® SA Mid Ply	ASTM D6163	I	S	AR
	Flintlastic® Ultra Glass SA	ASTM D6163	I	S	AR
	Flintlastic® Base 20	ASTM D6163	I	S	AR
	Flintlastic® Base 20 T	ASTM D6163	I	S	AR
	Flintlastic® Ultra Poly SMS Base Sheet	ASTM D6164	I	S	AR
Cap Membranes (SBS)	Flintlastic® SA Cap FR	ASTM D6163	I	G	AR
	Flintlastic® SA Cap FR CoolStar®	ASTM D6163	I	G	AR
	Flintlastic® SA Cap	ASTM D6164	I	G	AR
	Flintlastic® SA Cap CoolStar®	ASTM D6164	I	G	AR
	Flintlastic® FR-P	ASTM D6164	I	G	AR
	Flintlastic® FR-P CoolStar®	ASTM D6164	I	G	AR
	Flintlastic® GMS	ASTM D6164	I	G	AR
	Flintlastic® Premium FR-P	ASTM D6164	II	G	AR
Flintlastic® Premium FR-P CoolStar®	ASTM D6164	II	G	AR	

**5. LIMITATIONS:**

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.

- 5.7.2 The maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. This is addressed in the Appendix tables via “N/A” reference if the baseline system is “Not Applicable” to Zone 1 PRIME design pressure requirements.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

**6. INSTALLATION:**

**Flintlastic® Modified Bitumen Roof Systems** shall be installed in accordance with **CertainTeed, LLC** published installation instructions, subject to the Limitations / Conditions of Use herein.

**7. BUILDING PERMIT REQUIREMENTS:**

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

**8. MANUFACTURING PLANTS:**

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

**9. QUALITY ASSURANCE ENTITY:**

UL LLC – QUA9625; (360) 817-5512; [Vinycia.Seman@ul.com](mailto:Vinycia.Seman@ul.com)

**- THE 25-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
2A	Roof Cladding Design Pressures, Allowable Stress Design, Pasd, Exposure B				3
2B	Roof Cladding Design Pressures, Allowable Stress Design, Pasd, Exposure C				4
2C	Roof Cladding Design Pressures, Allowable Stress Design, Pasd, Exposure D				5
3	Wood	New or Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	6-9
4	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	10-13
5	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	14-17
6	Wood	New, Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	18-21
7	Wood	New, Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	22-25

**The following notes apply to the systems outlined herein:**

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).
- The maximum design pressure for the selected base assembly shall meet or exceed the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. This is already addressed in the tables that follow via "N/A" reference if the baseline system is "Not Applicable" to Zone 1 PRIME design pressure requirements.
- For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
- Refer to **FBC 1511** for requirements and limitations regarding recover installations. For Recover Applications using System Type D-2, the insulation is optional.
- Unless otherwise noted, refer to the following references for bonded applications.

TABLE 1: MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
BP-AA (Base and Ply sheets, Asphalt-Applied)	Base Ply:	Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20	Hot asphalt at 20-40 lbs/square
	Ply:	One or more Flintglas Ply 4, Flintglas Premium Ply 6	
SBS-AA (SBS, Asphalt-Applied)	Base Ply:	Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet	Hot asphalt at 20-40 lbs/square
	Ply:	One or more Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet	
	Cap Ply:	Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS	
SBS-TA (SBS, Torch-Applied)	Base Ply:	Flintlastic Ultra Poly SMS Base Sheet, Flintlastic Base 20 T	Torch-Applied
	Ply:	One or more Flintlastic Ultra Poly SMS Base Sheet, Flintlastic Base 20 T	
APP-TA (APP, Torch-Applied)	Base Ply:	One or more Flintlastic APP Base T, Flintlastic STA, Flintlastic STA Plus	Torch-Applied
	Cap Ply:	Flintlastic STA, Flintlastic STA Plus, Flintlastic GTA, Flintlastic GTA CoolStar, Flintlastic GTA-FR, Flintlastic GTA-FR CoolStar	
SBS-SA (SBS, Self-Adhering)	Base Ply:	Flintlastic SA PlyBase, Flintlastic SA Mid Ply	Self-Adhering
	Ply:	Flintlastic SA PlyBase, Flintlastic SA Mid Ply	
	Cap Ply:	Flintlastic SA Cap, Flintlastic SA Cap CoolStar, Flintlastic SA Cap FR, Flintlastic SA Cap FR CoolStar	

8 The following products are interchangeable within the scope of this Evaluation Report.

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	MANUFACTURER	FBC FILE	LISTED PRODUCT HEREIN	ALTERNATE
Roofing Fasteners	Altenloh, Brinck and Co. U.S., Inc.	FL4500	Trufast #12 DP	FlintFast #12 Fastener
			Trufast #14 HD	FlintFast #14 Fastener
			Trufast 3" Metal Insulation Plate	FlintFast 3" Insulation Plate
Roofing Insulation	Atlas Roofing	FL17989	ACFoam II	FlintBoard ISO
	Hunter Panels	FL5968	H-Shield	FlintBoard <sub>H</sub> ISO
	Georgia-Pacific Gypsum, LLC	FL1250	DensDeck Prime	DensDeck StormX Prime Roof Board

9 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads.

10 The following summary is the basis for the attachment tables herein. Tables 2A through 2c assume the following design parameters as defined in ASCE 7-16. Projects outside these design parameters are not applicable for use within the confines of this Evaluation Report.

PARAMETER	REFERENCE	SYMBOL	VALUE
Design wind speed (mph)*	FBC 1609.3	<i>Vult</i>	Various
Exposure Category	FBC 1609.4.3	<i>N/A</i>	B, C or D
Topographical factor	Section 26.8.2	<i>Kzt</i>	1.0
Wind directionality factor	Section 26.6	<i>Kd</i>	0.85
Ground elevation factor	Table 26.9-1	<i>Ke</i>	1.0
Roof slope	N/A	$\theta$	$\leq 7^\circ$

\*Selection of the appropriate design wind speed and exposure category is the responsibility of the user, subject to acceptance by the Authority Having Jurisdiction.

**TABLE 2A: ROOF CLADDING DESIGN PRESSURES, ALLOWABLE STRESS DESIGN, PASD (PSF)**  
**EXPOSURE CATEGORY B**

Exposure Category	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed - V <sub>ult</sub> (mph) – FBC Figures 1609.3(1) through 1609.3(4)								
				110	120	130	140	150	160	170	180	200
B	Open	h ≤ 15	1 PRIME	-8	-10	-11	-13	-15	-17	-19	-22	-27
			1	-15	-18	-22	-25	-29	-33	-37	-41	-51
			2	-21	-25	-29	-34	-39	-44	-50	-56	-69
			3	-29	-35	-41	-47	-54	-61	-69	-78	-96
		15 < h ≤ 20	1 PRIME	-9	-11	-12	-14	-16	-19	-21	-24	-29
			1	-17	-20	-23	-27	-31	-35	-40	-45	-55
			2	-23	-27	-32	-37	-42	-48	-54	-61	-75
			3	-31	-37	-44	-51	-59	-67	-75	-84	-104
		20 < h ≤ 30	1 PRIME	-10	-12	-14	-16	-19	-21	-24	-27	-33
			1	-19	-22	-26	-30	-35	-40	-45	-50	-62
			2	-25	-30	-36	-41	-47	-54	-61	-68	-84
			3	-35	-42	-49	-57	-66	-75	-85	-95	-117
	30 < h ≤ 40	1 PRIME	-11	-13	-15	-18	-20	-23	-26	-29	-36	
		1	-20	-24	-29	-33	-38	-43	-49	-55	-68	
		2	-28	-33	-39	-45	-52	-59	-66	-74	-92	
		3	-39	-46	-54	-62	-72	-82	-92	-103	-128	
	Enclosed	h ≤ 15	1 PRIME	-10	-12	-14	-16	-18	-21	-23	-26	-32
			1	-17	-20	-24	-28	-32	-36	-41	-46	-56
			2	-22	-27	-31	-36	-42	-48	-54	-60	-74
			3	-31	-36	-43	-50	-57	-65	-73	-82	-101
		15 < h ≤ 20	1 PRIME	-11	-13	-15	-17	-20	-22	-25	-28	-35
			1	-19	-22	-26	-30	-34	-39	-44	-50	-61
			2	-24	-29	-34	-40	-45	-52	-58	-65	-81
			3	-33	-40	-46	-54	-62	-70	-79	-89	-110
20 < h ≤ 30		1 PRIME	-12	-14	-17	-19	-22	-25	-29	-32	-39	
		1	-21	-25	-29	-34	-39	-44	-50	-56	-69	
		2	-27	-33	-38	-44	-51	-58	-66	-73	-91	
		3	-37	-44	-52	-61	-70	-79	-89	-100	-124	
30 < h ≤ 40	1 PRIME	-13	-15	-18	-21	-24	-28	-31	-35	-43		
	1	-23	-27	-32	-37	-42	-48	-54	-61	-75		
	2	-30	-36	-42	-48	-56	-63	-71	-80	-99		
	3	-41	-48	-57	-66	-76	-86	-97	-109	-135		

**TABLE 2B: ROOF CLADDING DESIGN PRESSURES, ALLOWABLE STRESS DESIGN, PASD (PSF)**  
**EXPOSURE CATEGORY C**

Exposure Category	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed - $V_{ult}$ (mph) – FBC Figures 1609.3(1) through 1609.3(4)								
				110	120	130	140	150	160	170	180	200
C	Open	$h \leq 15$	1 PRIME	-12	-14	-17	-20	-22	-25	-29	-32	-40
			1	-23	-27	-32	-37	-42	-48	-54	-61	-75
			2	-31	-37	-43	-50	-57	-65	-74	-82	-102
			3	-43	-51	-60	-69	-80	-91	-102	-115	-142
		$15 < h \leq 20$	1 PRIME	-13	-15	-18	-21	-24	-27	-31	-34	-42
			1	-24	-29	-34	-39	-45	-51	-58	-65	-80
			2	-33	-39	-46	-53	-61	-69	-78	-88	-108
		$20 < h \leq 30$	3	-46	-54	-64	-74	-85	-97	-109	-122	-151
			1 PRIME	-14	-17	-19	-23	-26	-29	-33	-37	-46
			1	-26	-31	-37	-43	-49	-56	-63	-70	-87
		$30 < h \leq 40$	2	-36	-42	-50	-58	-66	-75	-85	-95	-118
			3	-50	-59	-69	-80	-92	-105	-118	-133	-164
	1 PRIME		-15	-18	-21	-24	-28	-31	-35	-40	-49	
	1		-28	-33	-39	-45	-52	-59	-67	-75	-93	
	2		-38	-45	-53	-61	-70	-80	-91	-101	-125	
	3		-53	-63	-74	-85	-98	-112	-126	-141	-174	
	Enclosed	$h \leq 15$	1 PRIME	-14	-17	-20	-23	-27	-31	-35	-39	-48
			1	-25	-30	-35	-41	-47	-53	-60	-67	-83
			2	-33	-39	-46	-54	-62	-70	-79	-89	-110
			3	-45	-54	-63	-73	-84	-96	-108	-121	-150
		$15 < h \leq 20$	1 PRIME	-15	-18	-22	-25	-29	-33	-37	-41	-51
			1	-27	-32	-37	-43	-50	-57	-64	-72	-89
			2	-35	-42	-49	-57	-66	-75	-84	-95	-117
		$20 < h \leq 30$	3	-48	-57	-67	-78	-90	-102	-115	-129	-159
1 PRIME			-17	-20	-23	-27	-31	-35	-40	-45	-55	
1			-29	-35	-41	-47	-54	-62	-70	-78	-96	
$30 < h \leq 40$		2	-38	-46	-54	-62	-71	-81	-92	-103	-127	
		3	-52	-62	-73	-85	-97	-111	-125	-140	-173	
	1 PRIME	-18	-21	-25	-29	-33	-38	-43	-48	-59		
	1	-31	-37	-43	-50	-58	-66	-74	-83	-102		
	2	-41	-49	-57	-66	-76	-86	-98	-109	-135		
	3	-56	-66	-78	-90	-104	-118	-133	-149	-184		



**TABLE 2C: ROOF CLADDING DESIGN PRESSURES, ALLOWABLE STRESS DESIGN, PASD (PSF)  
EXPOSURE CATEGORY D**

Exposure Category	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed - V <sub>ult</sub> (mph) – FBC Figures 1609.3(1) through 1609.3(4)								
				110	120	130	140	150	160	170	180	200
D	Open	h ≤ 15	1 PRIME	-15	-17	-20	-24	-27	-31	-35	-39	-48
			1	-28	-33	-39	-45	-51	-58	-66	-74	-91
			2	-37	-44	-52	-61	-70	-79	-89	-100	-124
			3	-52	-62	-73	-84	-97	-110	-124	-139	-172
		15 < h ≤ 20	1 PRIME	-15	-18	-22	-25	-29	-33	-37	-41	-51
			1	-29	-35	-41	-47	-54	-62	-70	-78	-96
			2	-39	-47	-55	-64	-73	-83	-94	-106	-130
			3	-55	-65	-77	-89	-102	-116	-131	-147	-181
		20 < h ≤ 30	1 PRIME	-17	-20	-23	-27	-31	-35	-39	-44	-55
			1	-31	-37	-44	-51	-58	-66	-75	-84	-103
			2	-42	-50	-59	-68	-79	-89	-101	-113	-140
			3	-59	-70	-82	-95	-109	-124	-140	-157	-194
	30 < h ≤ 40	1 PRIME	-17	-21	-24	-28	-32	-37	-41	-46	-57	
		1	-33	-39	-46	-53	-61	-69	-78	-88	-108	
		2	-44	-53	-62	-72	-82	-94	-106	-119	-146	
		3	-62	-73	-86	-100	-114	-130	-147	-165	-204	
	Enclosed	h ≤ 15	1 PRIME	-18	-21	-25	-28	-33	-37	-42	-47	-58
			1	-31	-36	-43	-50	-57	-65	-73	-82	-101
			2	-40	-48	-56	-65	-75	-85	-96	-108	-133
			3	-55	-65	-77	-89	-102	-116	-131	-147	-182
		15 < h ≤ 20	1 PRIME	-19	-22	-26	-30	-34	-39	-44	-50	-61
			1	-32	-38	-45	-52	-60	-68	-77	-86	-107
			2	-43	-51	-59	-69	-79	-90	-102	-114	-141
			3	-58	-69	-81	-94	-108	-123	-138	-155	-192
20 < h ≤ 30		1 PRIME	-20	-24	-28	-32	-37	-42	-47	-53	-66	
		1	-35	-41	-48	-56	-64	-73	-82	-92	-114	
		2	-46	-54	-64	-74	-85	-96	-109	-122	-150	
		3	-62	-74	-87	-101	-115	-131	-148	-166	-205	
30 < h ≤ 40	1 PRIME	-21	-25	-29	-34	-39	-44	-50	-56	-69		
	1	-36	-43	-51	-59	-67	-77	-86	-97	-120		
	2	-48	-57	-67	-77	-89	-101	-114	-128	-158		
	3	-65	-77	-91	-105	-121	-138	-155	-174	-215		

**TABLE 3: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

“N/A” INDICATES THE SYSTEM CANNOT BE USED WITHIN THE PRESSURE ZONE.

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 7)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach	Base Ply	Ply	Cap Ply	
W-1	Min. 19/32-inch plywood	Glasbase, All Weather Empire, Flexiglas Base, Poly SMS, Ultra Poly SMS or Flintglas MS Cap (inverted)	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	Pattern #1: 8-inch o.c. at the 3-inch side laps and 8-inch o.c. at three (3) equally spaced center rows	Min. 1.5-inch ACfoam II, ENRGY-3, H-Shield or Multi-Max FA3	Hot asphalt, full coverage	Min. 0.25-inch DensDeck primed with FlintPrime QD or DensDeck Prime	Hot asphalt, full coverage	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA or APP-TA	-52.5

**ANCHOR SHEET ATTACHMENT PATTERN REFERENCES:**

PATTERN NO:	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#7
MIN. LAP WIDTH (inch):	3	3	3	3	3	3	3
MAX. LAP FASTENER SPACING (inch o.c.):	8	7	6	7	6	6	6
MIN. # OF EQUALLY SPACED CENTER ROWS:	3	3	3	4	4	5	5
MAX. CENTER ROW FASTENER SPACING (inch o.c.):	8	7	6	7	6	6	6

**ANCHOR SHEET ATTACHMENT, SYSTEM W-1:**

Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)											
				110	120	130	140	150	160	170	180	200			
B	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7	#7		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7		
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#7	#7	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	#7	N/A			

ANCHOR SHEET ATTACHMENT, SYSTEM W-1:																
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)												
				110	120	130	140	150	160	170	180	200				
B	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)			
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4		
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7			
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5			
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#7	N/A			
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#7		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#7	N/A			
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#6	#7	#7	N/A			
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#7		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A			
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A	N/A	N/A			
		C	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
					1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
					2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	#7	
					3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#7	#7	N/A	N/A	N/A	
				15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
					1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
					2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#6	#7	N/A	
					3	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A	N/A		
20 < h ≤ 30	1 PRIME			#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
	1			#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5			
	2			#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	N/A			
	3			#1 (AS-LISTED)	#2	#3	#5	#7	#7	N/A	N/A	N/A				
30 < h ≤ 40	1 PRIME			#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
	1			#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#7			
	2			#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	#7	N/A	N/A			
	3			#2	#3	#4	#5	#7	N/A	N/A	N/A	N/A				

ANCHOR SHEET ATTACHMENT, SYSTEM W-1:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
C	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	N/A		
			3	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#6		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A		
			3	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A	N/A		
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	N/A		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	#7	N/A		
			3	#1 (AS-LISTED)	#3	#4	#5	#7	N/A	N/A	N/A	N/A		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A	N/A		
			3	#2	#3	#5	#7	#7	N/A	N/A	N/A	N/A		
D	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#7		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#6	#7	N/A		
			3	#1 (AS-LISTED)	#3	#4	#5	#7	N/A	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A		
			3	#2	#3	#5	#6	#7	N/A	N/A	N/A	N/A		
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A		
			3	#2	#3	#5	#7	N/A	N/A	N/A	N/A	N/A		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#6	N/A		
			2	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A	N/A		
			3	#3	#4	#5	#7	N/A	N/A	N/A	N/A	N/A		

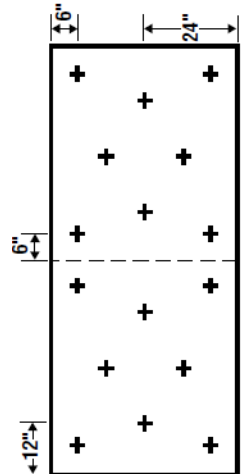
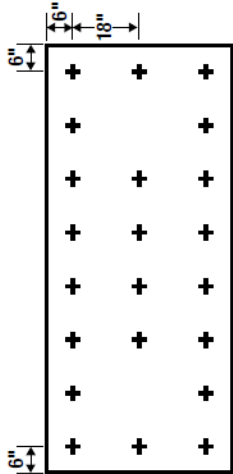
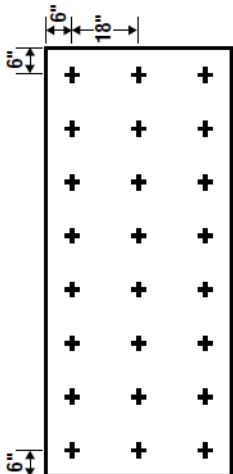
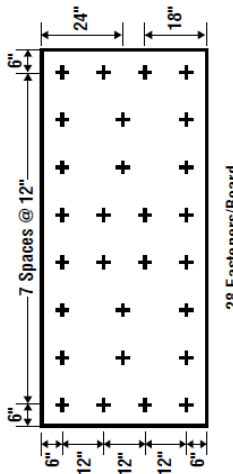
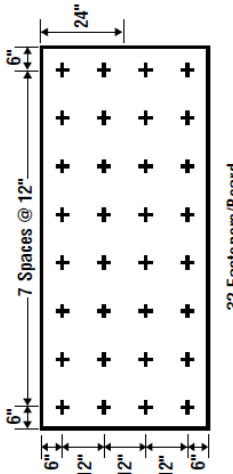
ANCHOR SHEET ATTACHMENT, SYSTEM W-1:													
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)									
				110	120	130	140	150	160	170	180	200	
D	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A	
			3	#2	#3	#5	#6	#7	N/A	N/A	N/A	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	N/A	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A	
			3	#2	#3	#5	#7	N/A	N/A	N/A	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A	N/A	
			2	#1 (AS-LISTED)	#2	#3	#4	#5	#7	N/A	N/A	N/A	
			3	#3	#4	#5	#7	N/A	N/A	N/A	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	N/A	N/A
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	N/A	N/A	
			2	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A	N/A	
			3	#3	#5	#7	N/A	N/A	N/A	N/A	N/A	N/A	

**TABLE 4: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

“N/A” INDICATES THE SYSTEM CANNOT BE USED WITHIN THE PRESSURE ZONE.

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 7)			MDP (psf)
			Type	Fasteners	Attach	Base Ply	Ply	Cap Ply	
W-2	Min. 19/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield	Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate	Pattern #1 1 per 2 ft <sup>2</sup>	SBS-SA	(Optional) SBS-SA	SBS-SA	-45.0
<i>Note: Board and stress plates shall be primed with FlintPrime QD</i>									

**INSULATION ATTACHMENT PATTERN REFERENCES:**

(AS-LISTED ABOVE) PATTERN #1: 1 per 2 ft <sup>2</sup>	PATTERN #2: 1 per 1.45 ft <sup>2</sup>	PATTERN #3: 1 per 1.33 ft <sup>2</sup>	PATTERN #4: 1 per 1.14 ft <sup>2</sup>	PATTERN #5: 1 per 1 ft <sup>2</sup>
 <p>16 Fasteners/Board</p>	 <p>22 Fasteners/Board</p>	 <p>24 Fasteners/Board</p>	 <p>28 Fasteners/Board</p>	 <p>32 Fasteners/Board</p>

INSULATION ATTACHMENT, SYSTEM W-2:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	#5	N/A	
	30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	
		2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#4	#5		
		3	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	#5	N/A	N/A		
	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	#5	N/A	
20 < h ≤ 30		1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	
		2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#4	#5		
		3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#5	#5	N/A	N/A		
30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
	1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4		
	2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#4	#5			
	3	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	#5	N/A	N/A			

INSULATION ATTACHMENT, SYSTEM W-2:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
C	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	N/A		
			3	#1 (AS-LISTED)	#2	#2	#4	#5	#5	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#2	#3	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A		
			3	#2	#2	#3	#4	#5	#5	N/A	N/A	N/A		
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	N/A		
			3	#2	#2	#4	#5	#5	N/A	N/A	N/A	N/A		
	30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#2	#4	#4	#5			
		2	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	N/A			
		3	#2	#3	#4	#5	N/A	N/A	N/A	N/A	N/A			
	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A		
			3	#2	#2	#3	#4	#5	#5	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	N/A		
			3	#2	#2	#4	#5	#5	N/A	N/A	N/A	N/A		
20 < h ≤ 30		1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5			
		2	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	N/A			
		3	#2	#3	#4	#5	#5	N/A	N/A	N/A	N/A			
30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2		
	1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	N/A				
	2	#1 (AS-LISTED)	#2	#2	#4	#4	#5	N/A	N/A	N/A				
	3	#2	#4	#5	#5	N/A	N/A	N/A	N/A	N/A				



INSULATION ATTACHMENT, SYSTEM W-2:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
D	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#5	N/A	N/A	N/A	
			3	#2	#3	#4	#5	#5	N/A	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5		
			2	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	N/A		
			3	#2	#4	#5	#5	N/A	N/A	N/A	N/A	N/A		
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#4	#5	N/A		
			2	#1 (AS-LISTED)	#2	#2	#4	#5	#5	N/A	N/A	N/A		
			3	#2	#4	#5	#5	N/A	N/A	N/A	N/A	N/A		
	30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	N/A		
		2	#1 (AS-LISTED)	#2	#3	#4	#5	#5	N/A	N/A	N/A			
		3	#3	#4	#5	N/A	N/A	N/A	N/A	N/A	N/A			
	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	
			2	#1 (AS-LISTED)	#2	#2	#4	#4	#5	#5	N/A	N/A		
			3	#2	#4	#5	#5	N/A	N/A	N/A	N/A	N/A		
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#2	#4	#5	#5	#5	N/A	
			2	#1 (AS-LISTED)	#2	#2	#4	#5	#5	N/A	N/A	N/A		
			3	#2	#4	#5	#5	N/A	N/A	N/A	N/A	N/A		
20 < h ≤ 30		1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	
		1	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#3	#4	#5	#5	N/A	N/A		
		2	#2	#2	#3	#4	#5	#5	N/A	N/A	N/A			
		3	#3	#4	#5	N/A	N/A	N/A	N/A	N/A	N/A			
30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4		
	1	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	#5	#5	#5	#5	N/A			
	2	#2	#2	#4	#5	#5	N/A	N/A	N/A	N/A				
	3	#3	#5	#5	N/A	N/A	N/A	N/A	N/A	N/A				

**TABLE 5: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**  
 “N/A” INDICATES THE SYSTEM CANNOT BE USED WITHIN THE PRESSURE ZONE.

System No.	Deck (Note 1)	Insulation Layer(s)		Base or Anchor Sheet			Roof Cover (Note 7)		MDP (psf)
		Type	Attach	Base	Fasteners	Attach	Base Ply and/or Ply	Cap Ply	
W-3	Min. 15/32-inch plywood	Min. 1.5-inch, One or more layers, any combination	Prelim. Attach	Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted)	Trufast #12 DP or #14 HD with Trufast 3” Metal Insulation Plate	Pattern #1: 6-inch o.c. at the 4-inch side laps and 6-inch o.c. at three (3) equally spaced center rows	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA or APP-TA	-97.5

**BASE SHEET ATTACHMENT PATTERN REFERENCES:**

PATTERN NO:	#1 (AS-LISTED)	#2	#3	#4	#5
MIN. LAP WIDTH (inch):	4	4	4	4	4
MAX. LAP FASTENER SPACING (inch o.c.):	6	7	6	7	6
MIN. # OF EQUALLY SPACED CENTER ROWS:	3	4	4	5	5
MAX. CENTER ROW FASTENER SPACING (inch o.c.):	6	7	6	7	6

**BASE SHEET ATTACHMENT, SYSTEM W-3:**

Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#4

BASE SHEET ATTACHMENT, SYSTEM W-3:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#5
C	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2		
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3

BASE SHEET ATTACHMENT, SYSTEM W-3:															
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)											
				110	120	130	140	150	160	170	180	200			
C	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	N/A	
D	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#4	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A	N/A

BASE SHEET ATTACHMENT, SYSTEM W-3:															
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)											
				110	120	130	140	150	160	170	180	200			
D	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)		
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#5	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#5	N/A	N/A	N/A
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#5	N/A	N/A
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	N/A
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#5	N/A	N/A	N/A

**TABLE 6: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

“N/A” INDICATES THE SYSTEM CANNOT BE USED WITHIN THE PRESSURE ZONE.

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 7)		MDP (psf)
		Base	Fasteners	Attachment	Base Ply	Cap Ply	
W-4	Min. 19/32-inch plywood	Flintlastic SA NailBase	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	Pattern #1: 8-inch o.c. at the 2-inch side laps and 8-inch o.c. at three (3) equally spaced center rows	(Optional) SBS-SA	SBS-SA	-60.0

**BASE SHEET ATTACHMENT PATTERN REFERENCES:**

PATTERN NO:	#1 (AS-LISTED)	#2	#3	#4	#5	#6
MIN. LAP WIDTH (inch):	2	2	2	2	2	2
MAX. LAP FASTENER SPACING (inch o.c.):	8	7	6	6	4	4
MIN. # OF EQUALLY SPACED CENTER ROWS:	3	3	4	5	4	5
MAX. CENTER ROW FASTENER SPACING (inch o.c.):	8	7	6	6	4	4

**BASE SHEET ATTACHMENT, SYSTEM W-4:**

Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#5	N/A		

BASE SHEET ATTACHMENT, SYSTEM W-4:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#6	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#5	#6		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	N/A		
C	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#5	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#4	#5	#5	#6	#6	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#4	#6
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	#6	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#4	#5	#5	#6	N/A	N/A		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#5	#6	#6	
			3	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	N/A	N/A		

BASE SHEET ATTACHMENT, SYSTEM W-4:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
C	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#4	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#6	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	#6	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	#6	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#5	N/A	
			3	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	#6	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#2	#4	#5	#5	#6	N/A	N/A	N/A	N/A	
D	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#4	#5	#6	
			3	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	#6	N/A	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#2	#4	#4	#5	#6	#6	N/A	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#3	#4	#5	#6	#6	#6	N/A	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	N/A	
			3	#2	#3	#4	#5	#6	N/A	N/A	N/A	N/A	N/A	



BASE SHEET ATTACHMENT, SYSTEM W-4:													
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)									
				110	120	130	140	150	160	170	180	200	
D	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#2	#4	#4	#5	#6	N/A	N/A	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#4	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#3	#4	#5	#6	#6	N/A	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#6	N/A	
			3	#2	#3	#4	#5	#6	N/A	N/A	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4	#4	#5	#6	N/A	N/A	
			3	#2	#4	#5	#6	#6	N/A	N/A	N/A	N/A	

**TABLE 7: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

“N/A” INDICATES THE SYSTEM CANNOT BE USED WITHIN THE PRESSURE ZONE.

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 7)		MDP (psf)
		Base	Fasteners	Attachment	Base Ply and/or Ply	Cap	
W-5	Min. 19/32-inch plywood	Glasbase Base Sheet, Flintlastic Base 20, All Weather / Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted)	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	Pattern #1: 8-inch o.c. at the 4-inch side laps and 8-inch o.c. at three (3) equally spaced center rows	BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA or APP-TA	-60.0

**BASE SHEET ATTACHMENT PATTERN REFERENCES:**

PATTERN NO:	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#7
MIN. LAP WIDTH (inch):	4	4	4	4	4	4	4
MAX. LAP FASTENER SPACING (inch o.c.):	8	7	6	6	6	4	4
MIN. # OF EQUALLY SPACED CENTER ROWS:	3	3	3	4	5	4	5
MAX. CENTER ROW FASTENER SPACING (inch o.c.):	8	7	6	6	6	4	4

**BASE SHEET ATTACHMENT, SYSTEM W-5:**

Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	N/A

BASE SHEET ATTACHMENT, SYSTEM W-5:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
B	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#6	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#6	#7
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A
C	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#6	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#6	#7	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#4
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	#7	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#4	#5	#6	#7	N/A	N/A		
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	#7
			3	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	N/A	N/A		

BASE SHEET ATTACHMENT, SYSTEM W-5:														
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)										
				110	120	130	140	150	160	170	180	200		
C	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#2	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	#7	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	
			3	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	#7	#7	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#6	N/A	
			3	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	#7	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A	
			3	#1 (AS-LISTED)	#2	#3	#5	#6	#7	#7	N/A	N/A	N/A	
D	Open	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#6	#7	
			3	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	#7	N/A	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A	
			3	#1 (AS-LISTED)	#2	#3	#5	#6	#7	#7	N/A	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	
			3	#1 (AS-LISTED)	#3	#4	#5	#7	#7	#7	N/A	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#3	#5	#7
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	#7	N/A
			3	#2	#3	#5	#6	#7	#7	N/A	N/A	N/A	N/A	

BASE SHEET ATTACHMENT, SYSTEM W-5:													
Exposure	Enclosure	Roof Height (ft)	Zone	Ultimate Design Wind Speed – V <sub>ult</sub> (mph)									
				110	120	130	140	150	160	170	180	200	
D	Enclosed	h ≤ 15	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#6	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	N/A	
			3	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A	N/A	
		15 < h ≤ 20	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#7	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3	#3	#5	#6	#7	N/A	
			3	#1 (AS-LISTED)	#3	#4	#5	#7	#7	N/A	N/A	N/A	
		20 < h ≤ 30	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#4	#5	#7	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	#7	N/A	
			3	#2	#3	#5	#6	#7	N/A	N/A	N/A	N/A	
		30 < h ≤ 40	1 PRIME	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#3
			1	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#5	#7	
			2	#1 (AS-LISTED)	#1 (AS-LISTED)	#2	#3	#5	#6	#7	N/A	N/A	
			3	#2	#3	#5	#7	#7	N/A	N/A	N/A	N/A	