

Registry No. 29824 17520 Edinburgh Drive Tampa, FL 33647 (813) 480-3421

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## **EVALUATION REPORT**

# FLORIDA BUILDING CODE, 7<sup>TH</sup> EDITION (2020)

Manufacturer:	WORTHOUSE INC. Issued Decer 2315 Landmeier Rd Elk Grove Village, IL 60007 (844) 749-2555 www.worthouse.com	nber 14, 2022
Manufacturing:	Poland	
Quality Assurance:	: UL LLC (QUA9625)	
SCOPE		
Category: Subcategory: Code Edition: Code Sections: Properties:	Roofing Metal Roofing Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones 1504.3.1, 1504.3.2, 1504.6, 1518.9, 1523.6.5.2.4 Wind Resistance	(HVHZ)

#### REFERENCES

WHI16001.4

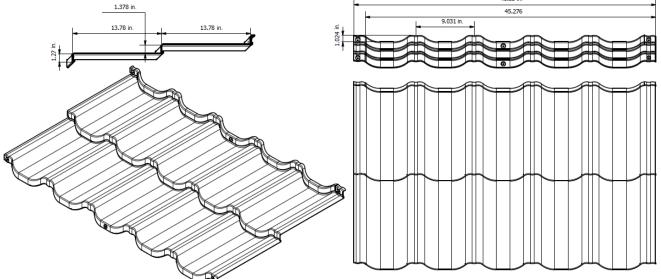
<u>Entity</u> PRI Construction Materials Technologies (TST5878)	<u>Report No.</u> BDMT-001-02-01	<u>Standard</u> UL 1897 UL 580 TAS 125	<u>Year</u> 2012 2006 2003
PRI Construction Materials Technologies (TST5878)	BDMT-001-02-02	UL 1897 UL 580 TAS 125	2003 2012 2006 2003
PRI Construction Materials Technologies (TST5878)	BDMT-002-02-01	TAS 100	1995
PRI Construction Materials Technologies (TST5878) PRI Construction Materials Technologies (TST5878)	BDMT-004-02-01 BDMT-005-02-01	TAS 100 ASTM G 155 TAS 110	1995 2013 2000
PRI Construction Materials Technologies (TST5878)	BDMT-006-02-01	ASTM B 117 TAS 100	2016 2000
PRI Construction Materials Technologies (TST5878)	1997T0003	UL 1897 UL 580 TAS 125	2012 2006 2003
PRI Construction Materials Technologies (TST5878)	1997T0004	UL 1897 UL 580 TAS 125	2012 2006 2003
PRI Construction Materials Technologies (TST5878)	1997T0005	UL 1897 UL 580 TAS 125	2012 2006 2003
PRI Construction Materials Technologies (TST5878)	1997T0009	UL 1897 UL 580 TAS 125	2012 2006 2003

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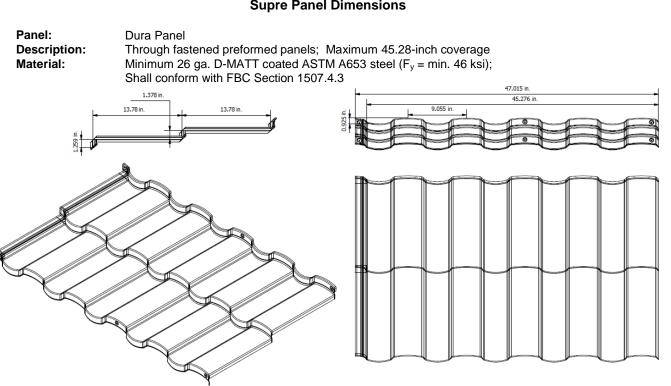


## **PRODUCT DESCRIPTIONS**

Panel: Description: Material:	Supre Panel Through fastened preformed panels; Maximum 45.28-inch coverage Minimum 26 ga. D-MATT coated ASTM A653 steel ( $F_y = min. 46 \text{ ksi}$ ); Shall conform with FBC Section 1507.4.3	
		46.85 in



**Supre Panel Dimensions** 



**Dura Panel Dimensions** 

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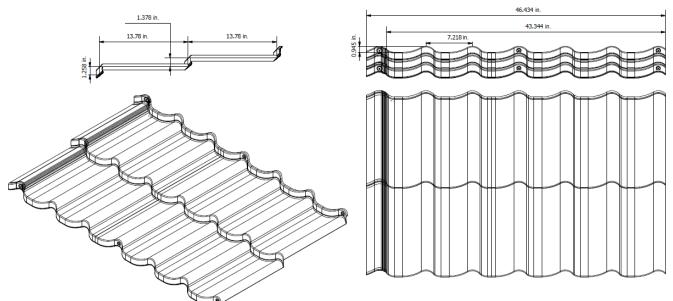


Eura Panel

Description: Material:

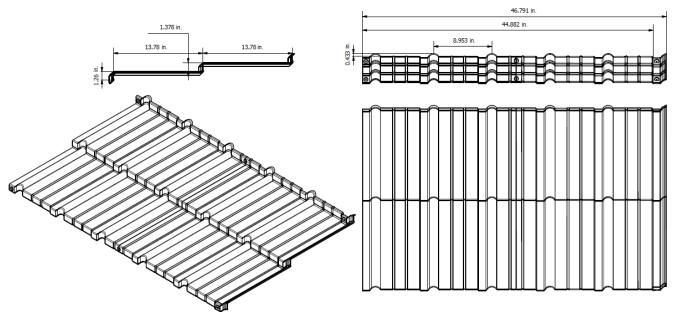
Panel:

Through fastened preformed panels; Maximum 43.34-inch coverage Minimum 26 ga. D-MATT coated ASTM A653 steel ( $F_y = min. 46 ksi$ ); Shall conform with FBC Section 1507.4.3



### **Eura Panel Dimensions**

Panel: Description: Material: Ulta Panel Through fastened preformed panels; Maximum 44.88-inch coverage Minimum 26 ga. D-MATT coated ASTM A653 steel ( $F_y = min. 46 \text{ ksi}$ ); Shall conform with FBC Section 1507.4.3



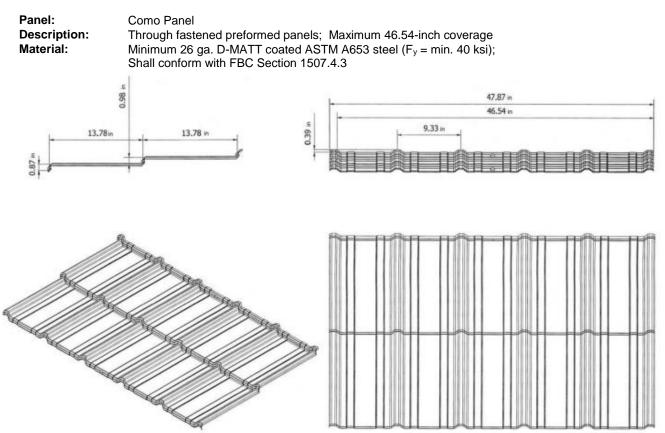
## **Ulta Panel Dimensions**

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**Como Panel Dimensions** 

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## APPROVED ASSEMBLIES

System 1A	: Dire	ect-t	o-Deck f	or Supre,	Dura, Ult	ta and Eu	ra Panels	5			
Slope:		Sha	hall be in accordance with the FBC.								
Roof Deck:		at n	nax. 24-inch	r fitted min. 1 n span; In th pan; Designe	e HVHZ, ne	w construct	tion shall be	min. 19/32	-inch CDX p		
Underlaymen	the HVHZ, the valley pan shall be sealed to the underlayment on each edge with a continu 3/4-inch wide bead of approved sealant.							3.4 or any lerlayment metal. In			
Attachment:See Appendix A for fastening patterns; 4.8mm x 35mm HWH screws with 14 mm O.D. sealing washers attached at a rate of "10 screws per panel" for Supre. Dura and Ulta Panels or "12 screws per panel" for Eura Panel; Panel laps stitched with 4.8mm x 19mm HWH screws with 14mm O.D. sealing washers at the preformed locations; Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.											
Maximum De	sign		5 psf								
Pressures:		Pres		ted using 2:1	-						
			Maxi	mum Mean	Roof Heig Slopes 2:12		le/Hip Roof	is			
					<sup>9</sup> Basic	Wind Speed	d (mph)				
Exposure	≤12	20	130	140	150	160	170	180	190	200	
					Zone	1	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	52 ft	35 ft	23 ft	16 ft	
C	60		60 ft	60 ft	42 ft	22 ft	NA	NA	NA	NA	
D	60		60 ft	37 ft	17 ft	NA	NA	NA	NA	NA	
				Zone 2 (inclu	udes 2e, 2n	, and 2r) – F	Perimeter				
В	60	ft	60 ft	54 ft	33 ft	21 ft	NA	NA	NA	NA	
C	58		27 ft	NA	NA	NA	NA	NA	NA	NA	
D	25		NA	NA	NA	NA	NA	NA	NA	NA	
	-					and 3r) – Co					
В	60	ft	49 ft	29 ft	18 ft	NA	NA	NA	NA	NA	
C 25 ft NA NA NA NA NA NA NA NA NA											
D	 N/		NA	NA	NA	NA	NA	NA	NA	NA	
Notes: 1) E on an effective assessment 4) heights of grea locales of Zone	wind a Applica ter thar	area c able fo n 60 f	of 10ft <sup>2</sup> or lead or Enclosed E t shall be ev	Buildings with aluated by a	raphic factors out overhangs licensed des	s such as es s 5) NA = "N sign professio	scarpments o ot Allowed" 6 onal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	ot included in Projects with tails for dime	the above mean roof ensions and	

System 1B	: Dire	ect-t	o-Deck fo	or Supre,	Dura, Ult	a and Eu	ra Panels	5			
Slope:		Sha	hall be in accordance with the FBC.								
Roof Deck:		at n	Solid or closely fitted min. 15/32-inch CDX plywood sheathing for new and existing constructio tt max. 24-inch span; In the HVHZ, new construction shall be min. 19/32-inch CDX plywood a nax. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlaymen	t	be app sha the	Installed in accordance with FBC requirements. In the HVHZ, the minimum underlayment s be ASTM D 226, Type II installed in accordance with Sections 1518.2 and 1518.4 or approved underlayment for use in the HVHZ. In the HVHZ, at the rake and eave, underlaym shall be wrapped over the eave and down the fascia prior to installing the drip edge metal the HVHZ, the valley pan shall be sealed to the underlayment on each edge with a continu 3/4-inch wide bead of a <i>pproved</i> sealant.							3.4 or any lerlayment metal. In	
Attachment: See Appendix A for fastening patterns; 4.8mm x 35mm HWH screws with 14 mm O.D. sealing washers attached at a rate of "20 screws per panel" for Supre, Dura and Ulta Panel or "24 screws per panel" for Eura Panel; Panel laps stitched with 4.8mm x 19mm HWH screws with 14mm O.D. sealing washers at the preformed locations. Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.											
Maximum Des Pressures:	sign		<b>5 psf</b> ssure calcula	ted using 2:1	margin of saf	ety per 1504.	9				
			Maxi		Roof Heig Slopes 2:12	hts for Gab - 12:12	le/Hip Roof	s			
					<sup>9</sup> Basic	Wind Speed	d (mph)				
Exposure	≤12	20	130	140	150	160	170	180	190	200	
					Zone	1					
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	25 ft	15 ft	
D	60	ft	60 ft	60 ft	60 ft	60 ft	33 ft	17 ft	NA	NA	
			2	Zone 2 (inclu	udes 2e, 2n	, and 2r) – F	Perimeter				
В	60	ft	60 ft	60 ft	60 ft	60 ft	50 ft	33 ft	23 ft	16 ft	
С	60	ft	60 ft	60 ft	40 ft	21 ft	NA	NA	NA	NA	
D	60	ft	60 ft	35 ft	16 ft	NA	NA	NA	NA	NA	
				Zone 3 (i	includes 3e	and 3r) – Co	orner				
В	60	ft	60 ft	60 ft	60 ft	42 ft	27 ft	18 ft	NA	NA	
C 60 ft 60 ft 33 ft 17 ft NA NA NA NA NA											
D	60		31 ft	NA	NA	NA	NA	NA	NA	NA	
Notes: 1) E: on an effective assessment 4) heights of grea locales of Zone	wind a Applicater that	area c able fo n 60 f	of 10ft <sup>2</sup> or lease feature or Enclosed E t shall be ev	ss 3) Topog Buildings witho aluated by a	raphic factors out overhangs licensed des	s 5) NA = "Ne sign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	of included in Projects with tails for dime	the above mean roof ensions and	

This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.

System 10	: Dire	ect-t	o-Deck fo	or Supre,	Dura, Ult	a and Eu	ra Panels	5			
Slope:		Sha	hall be in accordance with the FBC.								
Roof Deck:					19/32-inch C gned by oth					onstruction	
Underlaymen	t:	be app sha the	Installed in accordance with FBC requirements. In the HVHZ, the minimum underlayment sh be ASTM D 226, Type II installed in accordance with Sections 1518.2 and 1518.4 or a approved underlayment for use in the HVHZ. In the HVHZ, at the rake and eave, underlayment shall be wrapped over the eave and down the fascia prior to installing the drip edge metal. the HVHZ, the valley pan shall be sealed to the underlayment on each edge with a continuous 3/4-inch wide bead of approved sealant.							8.4 or any lerlayment metal. In	
Attachment:		See Appendix A for fastening patterns; #12 x min. 1.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of " <b>20 screws per panel</b> " for <u>Supre, Dura and Ulta</u> <u>Panel</u> or " <b>24 screws per panel</b> " for <u>Eura Panel</u> ; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws at the preformed locations. Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.									
Maximum De Pressures:	sign		6 psf	tod uping 2:1	margin of saf	otu por 1501	0				
Flessules.		FIE.			Roof Heigl			ic.			
			IVIAN		Slopes 2:12			5			
<b>F</b>					<sup>9</sup> Basic	Wind Speed	d (mph)				
Exposure	≤12	20	130	140	150	160	170	180	190	200	
					Zone	1					
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
				Zone 2 (inclu	udes 2e, 2n,	and 2r) – F	Perimeter				
В	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	59 ft	31 ft	17 ft	
					includes 3e	,	orner				
В	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	30 ft	18 ft	
D	60		60 ft	60 ft	60 ft	60 ft	42 ft	21 ft	NA NA	NA	
Notes: 1) E on an effective assessment 4) heights of grea locales of Zone	wind a Applica iter thar	area d able fo n 60 f	of 10ft <sup>2</sup> or lead or Enclosed E t shall be ev	ss 3) Topog Buildings witho aluated by a	out overhangs licensed des	s such as es s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	ot included in Projects with tails for dime	the above mean roof ensions and	

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System 1D	): Dire	ect-t	o-Deck f	or Como	Panel						
Slope:		Sha	Shall be in accordance with the FBC.								
Roof Deck:		at r	nax. 24-incl	r fitted min. <sup>2</sup> n span; In th pan; Design	e HVHZ, ne	w construct	ion shall be	min. 19/32	-inch CĎX p		
Underlaymen	t:	be app sha the	ASTM D 2 proved unde Il be wrapp HVHZ, the	ordance with 26, Type II rlayment for ed over the valley pan s read of appr	installed in use in the l eave and d shall be sea	accordanc HVHZ. In th own the fas led to the u	e with Sec e HVHZ, at cia prior to	tions 1518.2 the rake an installing th	2 and 1518 d eave, und e drip edge	8.4 or any erlayment metal. In	
Attachment:	Attachment: See Appendix A for fastening patterns; #12 x min. 1.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of " <b>10 screws per panel</b> "; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws, (3) screws placed at each side lap and (4) additional screws placed at the head lap in the designated locations; Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.										
Maximum De Pressures:	sign		<b>.5 psf</b> ssure calcula	ted using 2:1	margin of saf	ety per 1504.	9				
			Max	imum Mean			le/Hip Roof	s			
					Slopes 2:12						
Exposuro					<sup>9</sup> Basic	Wind Speed	l (mph)				
Exposure	≤12	20	130	140	150	160	170	180	190	200	
					Zone	1					
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	35 ft	20 ft	NA	
D	60	ft	60 ft	60 ft	60 ft	53 ft	26 ft	NA	NA	NA	
				Zone 2 (inclu	udes 2e, 2n,	, and 2r) – F	Perimeter				
В	60		60 ft	60 ft	60 ft	60 ft	43 ft	29 ft	20 ft	NA	
С	60	ft	60 ft	60 ft	32 ft	17 ft	NA	NA	NA	NA	
D	60	ft	60 ft	28 ft	NA	NA	NA	NA	NA	NA	
				Zone 3 (	includes 3e	and 3r) – Co	orner				
В	60	ft	60 ft	60 ft	57 ft	36 ft	23 ft	15 ft	NA	NA	
С	60		56 ft	27 ft	NA	NA	NA	NA	NA	NA	
D	60		24 ft	NA	NA	NA	NA	NA	NA	NA	
Notes: 1) E on an effective assessment 4) heights of grea locales of Zone	wind a Applicater that	area d able fo n 60 f	of 10ft <sup>2</sup> or lead or Enclosed E t shall be ev	Buildings with aluated by a	raphic factors out overhangs licensed des	s such as es s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) $K_d = 0.85$ 7) age 8 for de	t included in Projects with tails for dime	the above mean roof nsions and	
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System 1E	: Dire	ect-t	o-Deck fo	or Como I	Panel					
Slope:		Shall be in accordance with the FBC.								
Roof Deck:		at n	nax. 24-inch	fitted min. span; In th pan; Design	e HVHZ, ne	w construct	ion shall be	min. 19/32	-inch CDX p	
Underlaymen	t:	be app sha the	ASTM D 2 proved unde Ill be wrapp HVHZ, the	ordance with 26, Type II rlayment for ed over the valley pan s ead of appr	installed in use in the l eave and d shall be sea	accordanc HVHZ. In th own the fas led to the ur	e with Sec e HVHZ, at cia prior to	tions 1518.2 the rake an installing th	2 and 1518 d eave, und e drip edge	8.4 or any erlayment metal. In
Attachment: See Appendix A for fastening patterns; #12 x min. 1.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of " <b>20 screws per panel</b> "; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws, (3) screws placed at each side lap and (4) additional screws placed at the head lap in the designated locations; Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.										
Maximum De Pressures:	sign		<b>6 psf</b> ssure calcula	ted using 2:1	margin of saf	ety per 1504.	9			
			Maxi	mum Mean	Roof Heig Slopes 2:12		le/Hip Roof	is		
					•	Wind Speed	l (mph)			
Exposure	≤12	20	130	140	150	160	170	180	190	200
	1				Zone	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft
			2	Zone 2 (inclu	udes 2e, 2n	and 2r) – P	Perimeter			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft	28 ft	17 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	39 ft	20 ft	NA	NA
				Zone 3 (i	ncludes 3e	and 3r) – Co	orner			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	36 ft
C 60 ft 60 ft 60 ft 60 ft 60 ft 80 f										
D 60 ft 60 ft 60 ft 60 ft 29 ft NA NA NA NA										
Notes: 1) E on an effective assessment 4) heights of grea locales of Zone	wind a Applicater that	area c able fo n 60 f	of 10ft <sup>2</sup> or lead or Enclosed E t shall be ev	Buildings witho aluated by a	raphic factors out overhangs licensed des	s such as es s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) $K_d = 0.85$ 7) age 8 for de	t included in Projects with tails for dime	the above mean roof insions and

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System 1F	: Dire	ect-t	o-Deck fo	or Como I	Panel					
Slope:		Shall be in accordance with the FBC.								
Roof Deck:				r fitted min. r n span; Desi						onstruction
Underlayment	t:	Installed in accordance with FBC requirements. In the HVHZ, the minimum underlayment sha be ASTM D 226, Type II installed in accordance with Sections 1518.2 and 1518.4 or an approved underlayment for use in the HVHZ. In the HVHZ, at the rake and eave, underlayment shall be wrapped over the eave and down the fascia prior to installing the drip edge metal. I the HVHZ, the valley pan shall be sealed to the underlayment on each edge with a continuou 3/4-inch wide bead of approved sealant.							8.4 or any erlayment metal. In	
Attachment:	See Appendix A for fastening patterns; #12 x min. 1.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of <b>"10 screws per panel"</b> ; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws (3) screws placed at each side lap. and (4)									
Maximum Des Pressures:	sign		3.5 psf	ted using 2:1	margin of saf	etv ner 1504	a			
110000100.				imum Mean	<u> </u>	hts for Gab		S		
Fundation					<sup>9</sup> Basic	Wind Speed	l (mph)			
Exposure	≤12	20	130	140	150	160	170	180	190	200
					Zone	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	36 ft	20 ft
				Zone 2 (inclu		,				
В	60		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft	37 ft
С	60		60 ft	60 ft	60 ft	60 ft	37 ft	21 ft	NA	NA
D	60	ft	60 ft	60 ft	60 ft	30 ft	NA	NA	NA	NA
	1				includes 3e					1
В	60	-	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	28 ft	20 ft
С	60		60 ft	60 ft	54 ft	29 ft	16 ft	NA	NA	NA
D Notes: 1) E: on an effective assessment 4) heights of grea locales of Zone	wind a Applica ter thar	cate area c able fo n 60 f	of 10ft <sup>2</sup> or le or Enclosed E t shall be ev	Buildings witho aluated by a	raphic factors out overhangs licensed des	s such as es s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	t included in Projects with tails for dime	the above mean roof insions and

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System 10	: Dire	ect-t	o-Deck f	or Como	Panel					
Slope:		Sha	Shall be in accordance with the FBC.							
Roof Deck:						DX plywood ers in accord				onstruction
Underlaymen	t:	be app sha the	ASTM D 2 proved unde Il be wrapp HVHZ, the	26, Type II rlayment for ed over the	installed in use in the l eave and d shall be sea	rements. In a accordanc HVHZ. In th own the fas led to the ur t.	e with Sec e HVHZ, at cia prior to	tions 1518.2 the rake an installing the	2 and 1518 d eave, und e drip edge	8.4 or any lerlayment metal. In
Attachment:		See Appendix A for fastening patterns; #12 x min. 1.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of " <b>20 screws per panel</b> "; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws, (3) screws placed at each side lap and (4) additional screws placed at the head lap in the designated locations; Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.								
Maximum Des Pressures:	sign		<b>1 psf</b> ssure calcula	ted using 2:1	margin of saf	ety per 1504.	9			
			Maxi		Roof Heigl Slopes 2:12	hts for Gab - 12:12	le/Hip Roof	s		
_					<sup>9</sup> Basic	Wind Speed	l (mph)			
Exposure	≤12	20	130	140	150	160	170	180	190	200
					Zone	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
				Zone 2 (incl	udes 2e, 2n,	, and 2r) – P	Perimeter			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	28 ft
				Zone 3 (	includes 3e	and 3r) – Co	orner			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	45 ft	27 ft
D	60		60 ft	60 ft	60 ft	60 ft	60 ft	35 ft	18 ft	NA
Notes: 1) E. on an effective assessment 4) heights of grea locales of Zone	wind a Applica iter thar	area c able fo n 60 f	of 10ft <sup>2</sup> or lead or Enclosed E t shall be ev	ss 3) Topog Buildings with aluated by a	raphic factors out overhangs licensed des	s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no $K_d = 0.85 7$ ) age 8 for de	t included in Projects with tails for dime	the above mean roof insions and

This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.

System 2A	: Bat	ten/	Counter	Batten fo	r Supre, I	Dura, Ulta	a and Eur	a Panels		
Slope:		Sha	Il be in acco	ordance with	the FBC.					
Roof Deck:		at n	nax. 24-inch	fitted min. 1 span; In th pan; Designe	e HVHZ, ne	w construct	tion shall be	min. 19/32	-inch CDX p	
Underlaymen	t:	Installed in accordance with FBC requirements. In the HVHZ, the minimum underlayment sha be ASTM D 226, Type II installed in accordance with Sections 1518.2 and 1518.4 or an approved underlayment for use in the HVHZ. In the HVHZ, at the rake and eave, underlayment shall be wrapped over the eave and down the fascia prior to installing the drip edge metal.							3.4 or any lerlayment	
Counter Batte	en:		No. 2 SYF pendicular t	lumber laid the eave	d maximum	24-inch o.c	c. over the p	olywood de	ck trusses/r	afters and
Batten:		3.5"	' x #10 sta	lumber inst inless steel d deck into	deck screv	ws installed	l at each b			• • •
Attachment: See Appendix A for fastening patterns; 4.8mm x 35mm HWH screws with 14 mm O.D. sealing washers attached at a rate of " <b>5 screws per panel</b> " for <u>Supre, Dura and Ulta Panels</u> or " <b>6 screws per panel</b> " for <u>Eura Panel</u> ; Panel laps stitched with 4.8mm x 19mm HWH screws with 14mm O.D. sealing washers at the preformed locations. Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and section 1506.6.										
Maximum De	sign		6.25 psf							
Pressures:		Pres		ted using 2:1						
			Maxi	mum Mean	Roof Heigl Slopes 2:12		le/Hip Roof	S		
					-	Wind Speed	d (mph)			
Exposure	≤12	20	130	140	150	160	170	180	190	200
					Zone	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	58 ft	36 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	47 ft	25 ft	NA
			-	Zone 2 (inclu	udes 2e, 2n,	, and 2r) – F	Perimeter			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	29 ft
С	60	ft	60 ft	60 ft	60 ft	49 ft	28 ft	16 ft	NA	NA
D	60	ft	60 ft	60 ft	44 ft	21 ft	NA	NA	NA	NA
				Zone 3 (i	includes 3e	and 3r) – Co	orner			
В	60	ft	60 ft	60 ft	60 ft	60 ft	50 ft	34 ft	23 ft	16 ft
С	60		60 ft	60 ft	40 ft	21 ft	NA	NA	NA	NA
D   60 ft   60 ft   36 ft   16 ft   NA   NA   NA   NA     Notes:   1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based										
Notes: 1) E. on an effective assessment 4) heights of grea locales of Zone	wind a Applica ter thar	area c able fo n 60 f	of 10ft <sup>2</sup> or less or Enclosed E t shall be ev	ss 3) Topog suildings witho aluated by a	raphic factors out overhangs licensed des	s such as es s 5) NA = "No ign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	t included in Projects with tails for dime	the above mean roof ensions and



System 2B	: Bat	ten	/Counter	Batten fo	r Supre,	Dura, Ulta	a and Eu	ra Panels	;	
Slope:		Sha	II be in acco	ordance with	the FBC.					
Roof Deck:		at n	nax. 24-inch	span; In th	e HVHZ, ne	w construct	d sheathing tion shall be nce with FB	min. 19/32	-inch CDX p	
Underlayment	::	be app	ASTM D 22 roved under	26, Type II rlayment for	installed in use in the l	accordanc	the HVHZ, with Sec HVHZ, at ia prior to in	tions 1518. the rake an	2 and 1518 d eave, und	3.4 or any erlayment
Counter Batte	n:		No. 2 SYP pendicular to		d maximum	24-inch o.c	c. over the p	olywood de	ck trusses/r	afters and
Batten:		3.5"	4 No. 2 SYP lumber installed 14-inch o.c. and perpendicular to the counter batten. Two (2) 5" x #10 stainless steel deck screws installed at each batten/counter batten intersection rough plywood deck into the wood trusses/rafters.							
Attachment: See Appendix A for fastening patterns; 4.8mm x 35mm HWH screws with 14 mm O.D. sealing washers attached at a rate of " <b>10 screws per panel</b> " for <u>Supre, Dura and Ulta Panels</u> or " <b>12 screws per panel</b> " for <u>Eura Panel</u> ; Panel laps stitched with 4.8mm x 19mm HWH screws with 14mm O.D. sealing washers at the preformed locations. Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and Section 1506.6.										
Maximum Des	sign		7.5 psf				0			
Pressures:		Pres	sure calculat					-		
			Maxi		Slopes 2:12		le/Hip Roof	5		
_					•	Wind Speed	d (mph)			
Exposure	≤12	0	130	140	150	160	170	180	190	200
					Zone	1				
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
			Z	Zone 2 (inclu	udes 2e, 2n	, and 2r) – F	Perimeter			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
С	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	25 ft
D								NA		
				Zone 3 (i	ncludes 3e	and 3r) – Co	orner			
В	60	ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	47 ft
C 60 ft 60 ft 60 ft 60 ft 60 ft 52 ft 30 ft 18 ft NA										
D   60 ft   60 ft   60 ft   60 ft   60 ft   24 ft   22 ft   NA   NA										
Notes: 1) E on an effective assessment 4) heights of grea locales of Zone	wind a Applicater than	irea d ible fo i 60 fi	f 10ft <sup>2</sup> or les or Enclosed B t shall be eva	ructure locati s 3) Topogi uildings witho aluated by a	on shall be a raphic factors out overhangs licensed des	s such as es s 5) NA = "No ign professio	ot Allowed" 6 nal 8) See p	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7) age 8 for de	ot included in Projects with tails for dime	the above mean roof ensions and

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System 3: Batten for Como (non-HVHZ only)										
Slope:		Shall be in accordance with the FBC.								
Roof Deck:		Solid or closely fitted min. 7/16-inch span rated OSB sheathing for new and existing construction at max. 24 in. span; Designed by others in accordance with FBC requirements.								
Existing Roof:		OPTIONAL single layer of existing asphalt shingles; Shall comply with FBC Section 1511								
Underlayment:		Installed in accordance with FBC requirements								
Batten:		1x4 No. 2 SYP lumber laid maximum 13 3/4-inch o.c. parallel to the eave, starting at the eave, and secured with one (1) min. 0.113" x 2 3/8-inch ring shank nail spaced 12-inch o.c. staggered								
Attachment:		#12 x min. 2.5-inch WoodZip SCAMP CHWH 304SS, Hi-Lo threaded screws attached at a rate of " <b>10 screws per panel</b> "; Panel laps stitched with 1/4"-14 x 7/8-inch SteelZIP SCAMP stitch screws, (3) screws placed at each side lap and (4) additional screws placed at the head lap in the designated locations; Fasteners shall penetrate the deck a minimum 3/8-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.								
Maximum De	-86 psf									
Pressures: Pressure calculated using 2:1 margin of safety per 1504.9										
Maximum Mean Roof Heights for Gable/Hip Roofs Slopes 2:12 – 12:12										
_		<sup>9</sup> Basic Wind Speed (mph)								
Exposure	≤120		130	140	150	160	170	180	190	200
Zone 1										
В	60 ft		60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	56 ft	39 ft
С	60 ft		60 ft	60 ft	60 ft	60 ft	40 ft	23 ft	NA	NA
D	60 ft		60 ft	60 ft	60 ft	32 ft	16 ft	NA	NA	NA
Zone 2 (includes 2e, 2n, and 2r) – Perimeter										
В	60 ft		60 ft	60 ft	60 ft	49 ft	32 ft	21 ft	15 ft	NA
С	60 ft		60 ft	42 ft	22 ft	NA	NA	NA	NA	NA
D	60 ft		40 ft	17 ft	NA	NA	NA	NA	NA	NA
Zone 3 (includes 3e and 3r) – Corner										
В	60 ft		60 ft	60 ft	42 ft	27 ft	17 ft	NA	NA	NA
C	60 ft		37 ft	18 ft	NA	NA	NA	NA	NA	NA
D	38 ft		15 ft	NA	NA	NA	NA	NA	NA	NA
Notes: 1) E on an effective	wind a	area c	of 10ft <sup>2</sup> or les	ss 3) Topog		s such as es	carpments o	r hills are no	t included in	the above

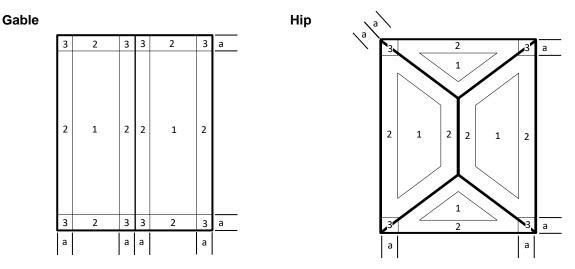
assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = "Not Allowed" 6)  $K_d$  = 0.85 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 8 for details for dimensions and locales of Zone 1, 2, and 3 9) V<sub>ult</sub> is shown in the tables above. Design wind loads are calculated using V<sub>asd</sub> = V<sub>ult</sub> $\sqrt{0.6}$  per 1609.3.1.

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Dimension "a" shall be 10% of the least horizontal dimension or (0.4 x *Mean Roof Height*), whichever is smaller, but not less than either 4% of the least horizontal dimension or 3ft.

#### LIMITATIONS

- 1. Fire classification is not within the scope of this evaluation.
- 2. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
- 3. Reroofing shall be in accordance with FBC Section 1511 outside the HVHZ and Section 1521 inside the HVHZ.
- 4. Installation of the evaluated products shall comply with this report, the FBC and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 5. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

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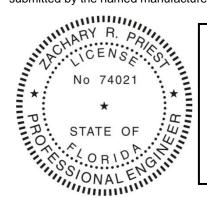
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This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.



### **COMPLIANCE STATEMENT**

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 7<sup>th</sup> Edition (2020) including High-Velocity Hurricane Zones (HVHZ) as evidenced in the referenced documents submitted by the named manufacturer.



This item has been digitally signed and sealed by Zachary R. Priest, PE, on 12/14/2022.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

#### **CERTIFICATION OF INDEPENDENCE**

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

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

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

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

#### **APPENDICES**

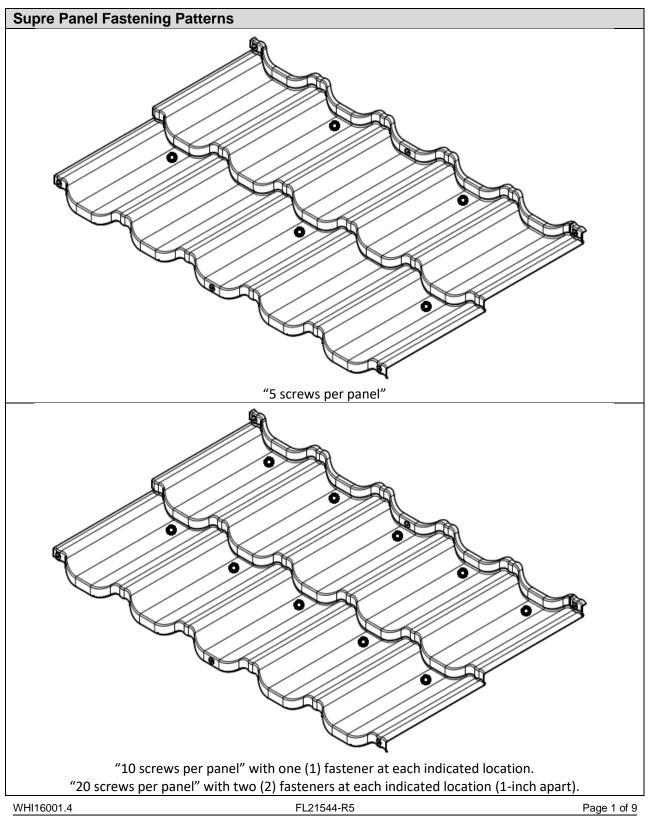
APPENDIX A – Fastening Patterns (9 pages)

This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.



APPENDIX A

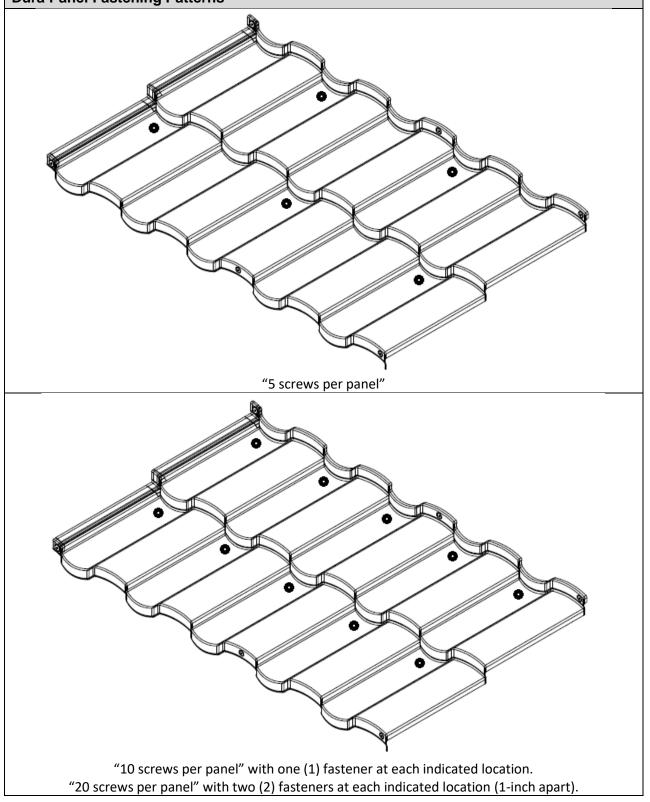
# Systems 1A-G – Direct to Deck Fastening





APPENDIX A

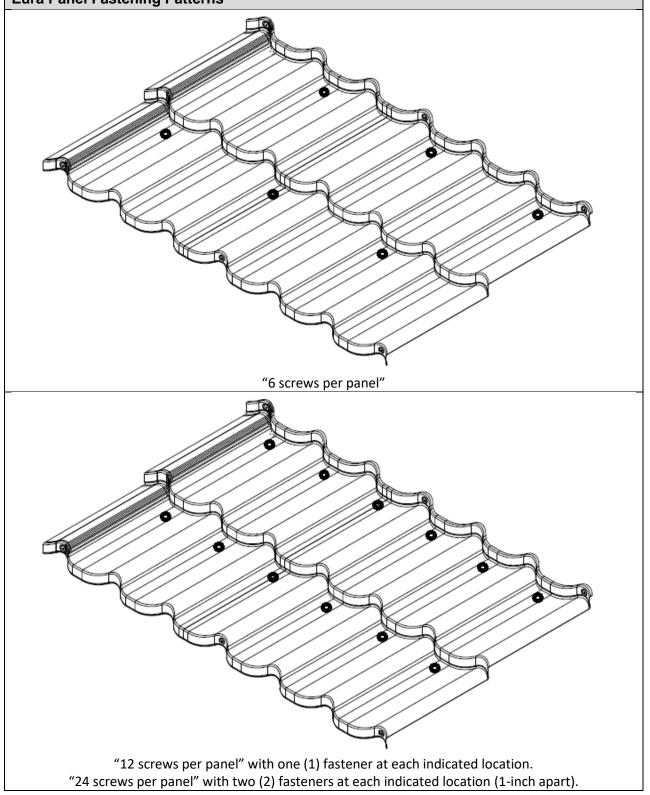
## **Dura Panel Fastening Patterns**





APPENDIX A

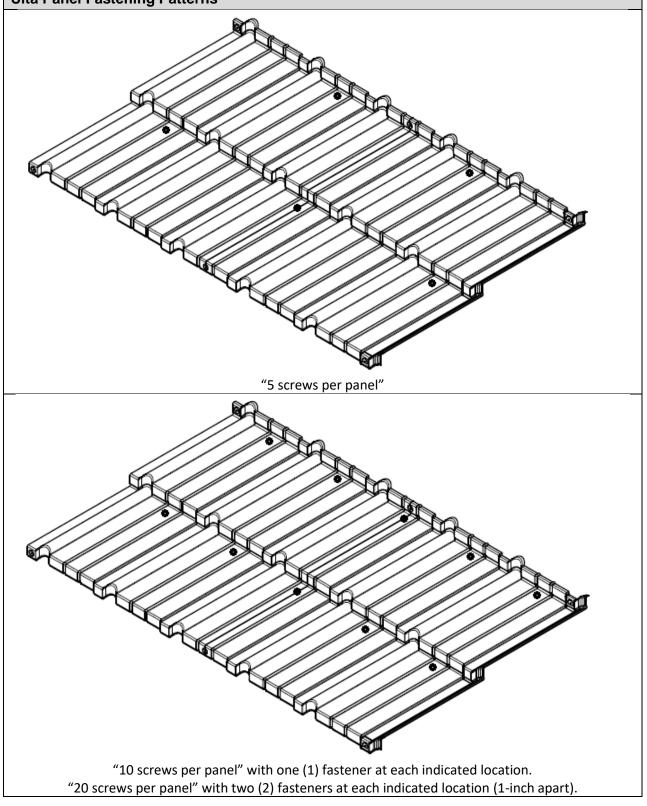
# **Eura Panel Fastening Patterns**





APPENDIX A

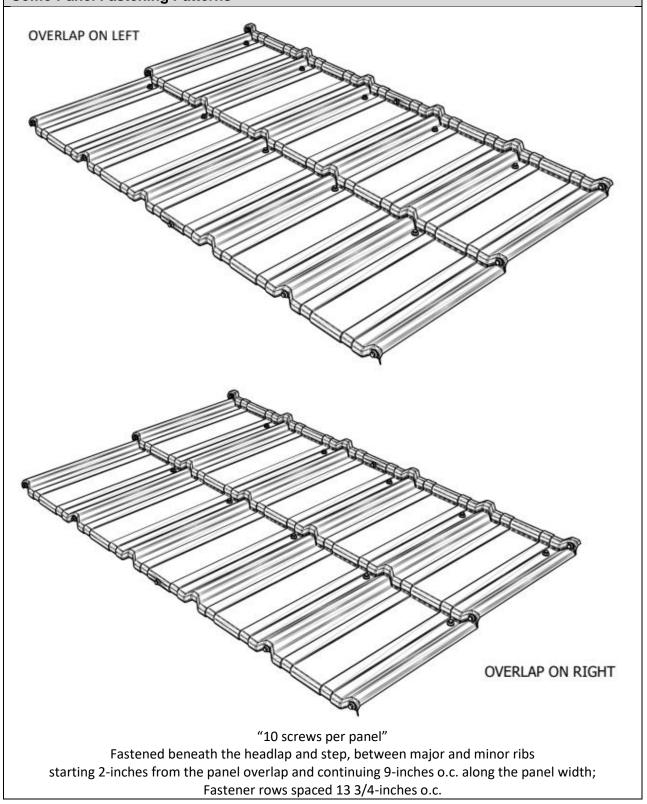
## **Ulta Panel Fastening Patterns**





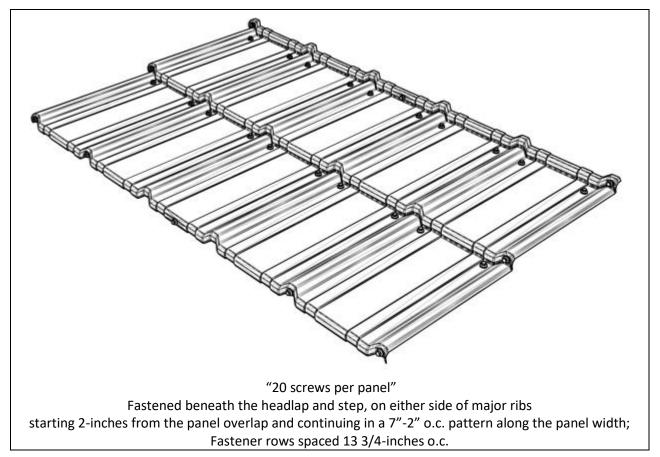
APPENDIX A

## **Como Panel Fastening Patterns**

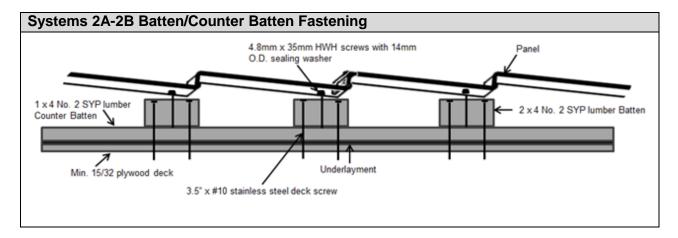












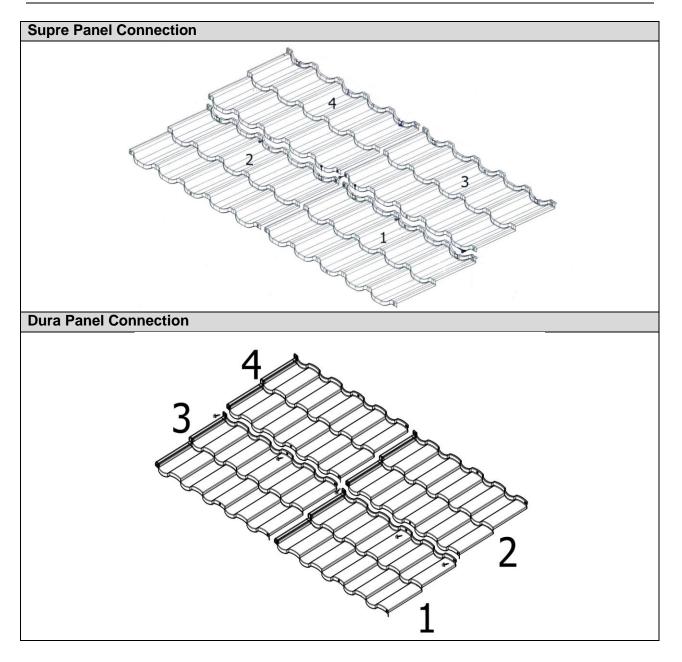
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## **Panel Connections**



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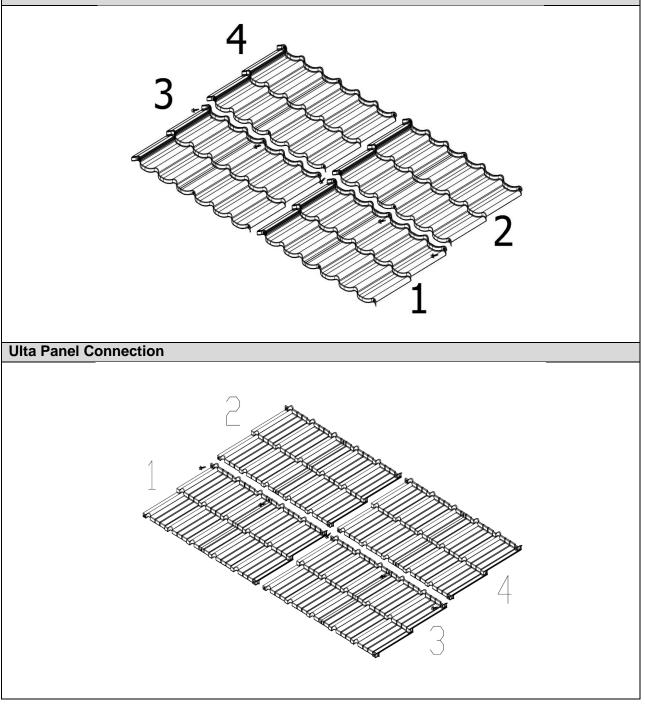
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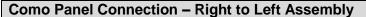


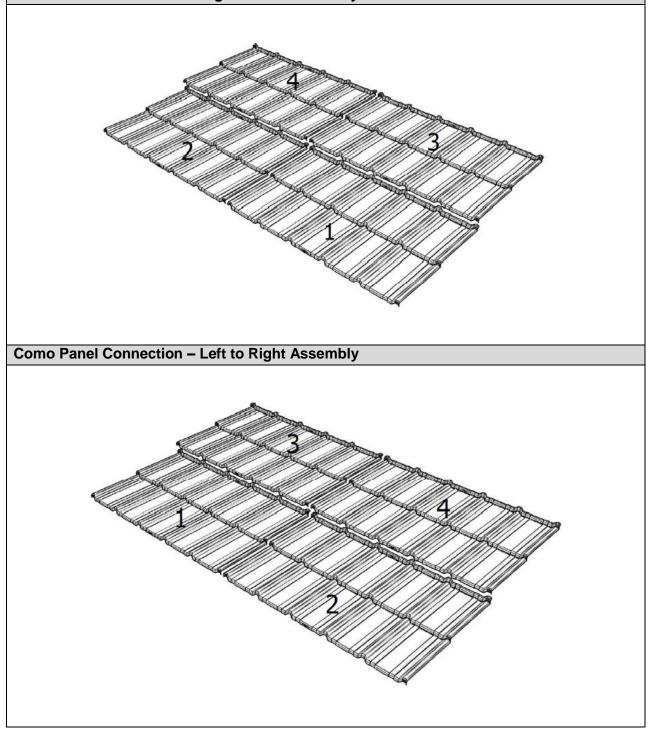


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APPENDIX A





### END OF REPORT

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