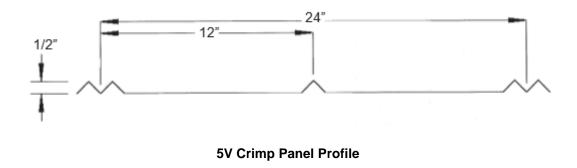


EVALUATION REPORT		DA BUILDING	ILDING CODE 6 <sup>TH</sup> EDITION (2017)		
Manufacturer:	L.V. THOMPSON, INC. dba Thompson Architectu 5015 E. Hillsborough Ave Tampa, FL 33610 (813) 248-3456 http://www.tamcometalro		(TAMCO)	Issued October 10, 2017	
Manufacturing:	Tampa, FL				
Quality Assurance:	Keystone Certifications (	QUA1824)			
SCOPE					
Category: Subcategory: Code Sections: Properties:	Roofing Metal Roofing 1504.3 Wind Resistance				
References					
Entity PRI Construction Materials Tee			<u>andard</u> S 125	<u>Year</u> 2003	
PRODUCT DESCRIPTION					

Panel:5V CrimpDescription:Preformed panel; 1/2-inch rib; Maximum 24-inch coverage; Non-structural applicationMaterial:Min. 26 ga. ASTM A792 AZ50 or ASTM A653 G-90 steel (Fy = min. 40 ksi);<br/>Shall conform with FBC Section 1507.4.3



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## APPROVED ASSEMBLIES

5V-1:									
Slope:		Shall be in	accordanc	e with FBC.					
Roof Deck:		Solid or closely fitted min. 15/32 in. plywood sheathing for new and existing construction at max. 24 in. span. Deck shall be designed by others in accordance with FBC requirements.							
Underlaymen	t:	Installed in accordance with FBC requirements.							
Attachment:		One (1) #9-15 x minimum 1.5" HWH wood screw with 0.5" O.D. sealing washer spaced maximum 16 in. o.c. as indicated in the figure below. Fasteners shall penetrate the deck a minimum 3/16-inch and shall conform with FBC sections 1507.4.4 and 1506.6.							
Maximum De Pressures:	sign	-71.25 psf Pressure calculated using 2:1 margin of safety per 1504.9							
		with Wea	ead ing Screws ther Sealing W		5V P		1inimum 15/32"	Deck- wood	
					hts for Gab - 12:12 (Ga				
		0.0000	2.12 0.1.		Wind Speed		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Exposure	120	130	140	150	160	170	180	190	200
				Zone					
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	52 ft	28 ft
	00.4	00.4	00.4	Zone		00.4	00.4	40.4	00.4
B C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft	33 ft
	60 ft	60 ft 60 ft	60 ft	60 ft	60 ft 26 ft	33 ft NA	19 ft NA	NA NA	NA NA
	60 ft	00 11	60 ft	55 ft Zone		INA	INA	INA	INA
P	60.#	60.4	60.4	1		NIA	NIA	NA	NIA
B C	60 ft	60 ft	60 ft	60 ft	40 ft	NA	NA	NA	NA
D	60 ft 60 ft	60 ft 30 ft	33 ft NA	19 ft NA	NA NA	NA NA	NA NA	NA NA	NA NA
		gory for the st							
on an effective assessment 4) heights of grea locales of Zone <sup>A</sup> For hip roofs 2	wind area of Applicable fo ter than 60 f 1, 2, and 3	of 10ft <sup>2</sup> or les or Enclosed B ft shall be eva 9) V <sub>ult</sub> is show	s 3) Topog uildings with aluated by a n in the table	raphic factor out overhang licensed des s above. Des	s such as es s 5) NA = "No sign professio	carpments o ot Allowed" 6 nal 8) See p	r hills are no ) $K_d = 0.85$ 7) age 4 for de	t included in Projects with tails for dime	the above mean roo msions and

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5V-2:									
Slope:		Shall be in accordance with FBC.							
Roof Deck:		Solid or closely fitted min. 15/32 in. plywood sheathing for new and existing construction at max. 24 in. span. Deck shall be designed by others in accordance with FBC requirements.							
Underlaymen	t:	Installed in accordance with FBC requirements.							
Attachment:		One (1) #9 x minimum 1.5" HWH wood screw with 0.5" O.D. sealing washer spaced maximum 8 in. o.c. as indicated in the figure below. Fasteners shall penetrate the deck a minimum 3/16-inch and shall conform with FBC sections 1507.4.4 and 1506.6.							
Maximum Des Pressures:	sign	-127.5 ps Pressure ca		g 2:1 margin	of safety per	1504.9			
			eather Sealing 1	Washer	12.5"		Minimum 15/32	· Deck- " wood	
					<b>hts for Gab</b> – 12:12 (Ga				
Exposure			-	Basic \	Wind Speed	(mph)	-	-	
LAPOSUIC	120	130	140	150	160	170	180	190	200
				Zone	1				
B	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
	0.0 1			Zone	r	0.0 1	0.00		
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	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	55 ft
				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	48 ft	28 ft	19 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	20 ft	NA	NA
Notes: 1) E on an effective assessment 4) heights of grea	wind area of Applicable for	of 10ft <sup>2</sup> or lease or Enclosed E	ss 3) Topog Buildings witho	raphic factor	s 5) NA = "N	carpments o ot Allowed" 6	r hills are no ) <i>K<sub>d</sub></i> = 0.85 7)	t included in Projects with	the abov mean ro

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 4 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. <sup>A</sup>For hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2.

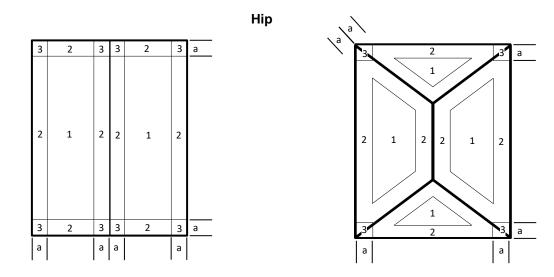
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Dimension "a" shall be 10% of the least horizontal dimension or (0.4 x *Mean Roof Height*), whichever is smaller, but not less than either 4% of the least horizontal dimension or 3ft.

## LIMITATIONS

Gable

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

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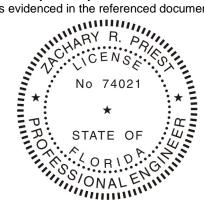
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## **COMPLIANCE STATEMENT**

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 6<sup>th</sup> Edition (2017) as evidenced in the referenced documents submitted by the named manufacturer.



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

## **CERTIFICATION OF INDEPENDENCE**

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

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

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

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

END OF REPORT

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