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Product Approval
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FL #	FL4595-R6								
Application Type	Revision								
Code Version	2020								
Application Status	Approved								
Comments	QA called into question on 12/19/22. m.c.								
Archived	<input type="checkbox"/>								
Product Manufacturer	Tri County Metals								
Address/Phone/Email	301 SE 16th Street Trenton, FL 32693 (352) 463-8400 testing@tricountymetals.com								
Authorized Signature	Jason Klinkenberg testing@tricountymetals.com								
Technical Representative									
Address/Phone/Email									
Quality Assurance Representative									
Address/Phone/Email									
Category	Roofing								
Subcategory	Metal Roofing								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	Johnathan E. Green, P.E.								
Florida License	PE-88223								
Quality Assurance Entity	Keystone Certifications, Inc.								
Quality Assurance Contract Expiration Date	06/02/2024								
Validated By	Brian Jaks, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received								
Certificate of Independence	FL4595_R6_COI_Letter of Certification- Tri County Metals. sealed.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>FM 4471</td> <td>1992</td> </tr> <tr> <td>UL 1897</td> <td>2012</td> </tr> <tr> <td>UL 580</td> <td>2006</td> </tr> </tbody> </table>	Standard	Year	FM 4471	1992	UL 1897	2012	UL 580	2006
Standard	Year								
FM 4471	1992								
UL 1897	2012								
UL 580	2006								

Equivalence of Product Standards
 Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 02/10/2021
 Date Validated 02/16/2021
 Date Pending FBC Approval 02/23/2021
 Date Approved 04/13/2021
 Date Revised 01/13/2023

Summary of Products

FL #	Model, Number or Name	Description
4595.1	5V Crimp	Min. 26 Ga. 5V Crimp Roof Panel over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-101.0PSF Other: -78.5 psf @ 16" o.c. Fastener Spacing. -101.0 psf @ 16" o.c. Fastener Spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.1 26 Ga. 5V Crimp Panel over Plywood sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.1 26 Ga. 5V Crimp Panel over Plywood sealed.pdf Created by Independent Third Party: Yes
4595.2	5V Crimp	Min. 26 Ga. 5V Crimp Roof Panel over 1x4 Wood Purlins over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-101.0PSF Other: -78.5 psf @ 16" o.c. Fastener Spacing. -101.0 psf @ 16" o.c. Fastener Spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.2 26 Ga. 5V Crimp Panel over 1x4 NON HVHZ sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.2 26 Ga. 5V Crimp Panel over 1x4 NON HVHZ sealed.pdf Created by Independent Third Party: Yes
4595.3	Aluminum Mechanical-Seam Lok	.032" Aluminum Mechanical Lock 16" Wide Roof Panel over Plywood
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-93.5 psf Other: -78.5 psf @ 18" o.c. clip spacing. -93.5 psf 6" o.c. clip spacing. Install per manufacturer's details. For use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.3 Aluminum Mechanical-Seam Lok 1.5 over Plywood HVHZ sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.3 Aluminum Mechanical-Seam Lok 1.5 over Plywood HVHZ sealed.pdf Created by Independent Third Party: Yes
4595.4	Aluminum Mechanical-Seam Lok 2"	.032" Aluminum, 2" Mechanical Lock, 19" Wide Roof Panel over 22 Ga. Steel Deck
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-138.5psf Other: -71.0 psf @ 24" o.c. clip spacing. -138.5 psf @ 6" o.c. clip spacing. Install per manufacturer's details. For use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.4 Aluminum Mechanical-Seam Lok 2 over Steel Deck HVHZ sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.4 Aluminum Mechanical-Seam Lok 2 over Steel Deck HVHZ sealed.pdf Created by Independent Third Party: Yes

4595.5	Aluminum TCM Lok	0.032" Aluminum TCM Lok Roof Panel over 7/16" OSB or 15/32" Plywood
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-112.5psf Other: -75.0 psf at 4 1/2" o.c. fastener spacing. -112.5 psf at 4 1/2" o.c. fastener spacing. Install per manufacturer's details. Not for use in HVHZ Zones.</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.5 Aluminum TCM Lok over Plywood_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.5 Aluminum TCM Lok over Plywood_sealed.pdf Created by Independent Third Party: Yes</p>
4595.6	Mechanical-Seam Lok 1-1/2"	1-1/2" Mechanical Lock, 24 Ga., 16" Wide Roof Panel over Plywood
<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-123.5psf Other: -59.75 psf. @ 24" o.c. clip spacing. -123.5 psf. @ 6" o.c. clip spacing. Install per manufacturer's details. For use in HVHZ Zones.</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.6 Mechanical-Seam Lok 1.5 over Plywood HVHZ_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.6 Mechanical-Seam Lok 1.5 over Plywood HVHZ_sealed.pdf Created by Independent Third Party: Yes</p>
4595.7	Mechanical-Seam Lok 2"	2" Mechanical Lock, 24 Ga. Steel, 18-7/8" Wide Roof Panel over 22 Ga. Steel Deck
<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-153.5psf Other: -54.3 psf @ 36" o.c. clip spacing. -153.5 psf @ 6" o.c. clip spacing. Install per manufacturer's details. For use in HVHZ Zones.</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.7 Mechanical-Seam Lok 2 24 Ga. over Steel Deck HVHZ_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.7 Mechanical-Seam Lok 2 24 Ga. over Steel Deck HVHZ_sealed.pdf Created by Independent Third Party: Yes</p>
4595.8	Nail Strip 1"	1" Nailstrip, 24 Ga. Steel 16" Wide Roof Panel over 15/32" Plywood
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-153.5psf Other: -153.5 psf @ 6-3/4" o.c. Fastener Spacing in slot and 12" o.c. Fastener Spacing in pan. -101.0 psf @ 6-3/4" o.c. Fastener Spacing in slot. -59.75 psf @ 16 o.c. Fastener Spacing in slot. Install per Manufacturer's Details. Not for use in HVHZ Zones.</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.8 1in Nail Strip over Plywood_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.8 1in Nail Strip over Plywood_sealed.pdf Created by Independent Third Party: Yes</p>
4595.9	Nail Strip 1-1/2"	1-1/2" Nail Strip, 24 Ga. 15-1/2" Wide Roof Panel over Plywood
<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-116.0psf Other: -116.0 psf @ 6-1/2" o.c. Fastener Spacing in slot and 12" o.c. Fastener Spacing in pan. -78.5 psf @ 11" o.c. Fastener Spacing in slot. Install per Manufacturer's Details. For use in HVHZ Zones</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.9 1.5 Nailstrip 24 Ga. over Plywood HVHZ_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.9 1.5 Nailstrip 24 Ga. over Plywood HVHZ_sealed.pdf Created by Independent Third Party: Yes</p>
4595.10	PBR	Min. 26 Ga. PBR Roof Panel over 15/32" Plywood
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-93.5 PSF Other: -63.5 psf @ 24" o.c. Fastener Spacing. -93.5 psf @ 24" o.c. Fastener Spacing. Install per manufacturer's details.</p>		<p>Installation Instructions FL4595_R6_II_FL_4595.10 26 Ga. PBR Panel over Plywood_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL4595_R6_AE_FL_4595.10 26 Ga. PBR Panel over</p>

Not for use in HVHZ Zones.		Plywood_sealed.pdf Created by Independent Third Party: Yes
4595.11	PBR	Min. 26 Ga. PBR Roof Panel over 1x4 Wood Purlins over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-78.5 PSF Other: -71.0 psf @ 24" o.c. Fastener Spacing. -78.5 psf @ 24" o.c. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.11 26 Ga. PBR Panel over 1x4_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.11 26 Ga. PBR Panel over 1x4_sealed.pdf Created by Independent Third Party: Yes
4595.12	Snap-Lok 1-1/2"	1-1/2" Snap Lok, 24 Ga. , 16" Wide Roof Panel over Plywood
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-116.0psf Other: -108.5 psf @12" o.c. Clip spacing. -86.0 psf @ 24" o.c. Clip Spacing. -116.0 psf @ 6" o.c. Clip Spacing. Install per Manufacturer's Details. For use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.12 1.5 Snap Lock 24 Ga. over Plywood HVHZ_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.12 1.5 Snap Lock 24 Ga. over Plywood HVHZ_sealed.pdf Created by Independent Third Party: Yes
4595.13	Snap-Lok 1-3/4"	1-3/4" Snap Lock, 24 Ga. Steel, 17-3/4" Wide Roof Panel over 22 Ga. Steel Decking
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-108.5psf Other: -71.0 psf @ 24" o.c. Clip Spacing. -108.5 psf @ 6" o.c. Clip Spacing. Install per manufacturer's details. For use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.13 Snap-Lok 1.75 24 Ga. over Steel Deck HVHZ_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.13 Snap-Lok 1.75 24 Ga. over Steel Deck HVHZ_sealed.pdf Created by Independent Third Party: Yes
4595.14	TCM-Lok	Min. 24 Ga. TCM-Lok Roof Panel over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-116.0PSF Other: -116.0 psf @ 5 1/4" o.c. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.14 TCM-Lok Eval Report_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.14 TCM-Lok Eval Report_sealed.pdf Created by Independent Third Party: Yes
4595.15	Ultra-Rib	Min. 29 Ga. Ultra-Rib Roof Panel over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-146.0PSF Other: -84.3 psf @ 24"o.c.fastener spacing. -146.0 psf @ 12" o.c. fastener spacing. Install per manufacturer's installation details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.15 29 Ga. Ultra-Rib Panel over Plywood_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.15 29 Ga. Ultra-Rib Panel over Plywood_sealed.pdf Created by Independent Third Party: Yes
4595.16	Ultra-Rib	Min. 29 Ga. Ultra Rib, 36" wide, Roof Panel over 1x4 Wood Purlins over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-138.5PSF Other: -93.5 psf @ 24" o.c. fastener spacing. -138.5 psf @ 24" o.c. fastener spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.16 29 Ga. Rib Panel over 1x4_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.16 29 Ga. Rib Panel over 1x4_sealed.pdf Created by Independent Third Party: Yes

4595.17	Ultra-Rib	Min. 29 Ga. Ultra Rib, 36" wide, Roof Panel over 1x4 Wood Purlins over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-86.0PSF Other: -78.5 psf @ 24" o.c. fastener spacing. -86.0 psf @ 24" o.c. fastener spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.17 29 Ga. Rib Panel over 1x4 with shingles sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.17 29 Ga. Rib Panel over 1x4 with shingles sealed.pdf Created by Independent Third Party: Yes
4595.18	Ultra-Rib	Min. 29 Ga. Ultra-Rib Roof Panel over 7/16" OSB
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-123.5PSF Other: -41.7 psf @ 24" o.c. fastener spacing. -123.5 psf @ 12" o.c. fastener spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.18 29 Ga. Ultra-Rib Panel over OSB sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.18 29 Ga. Ultra-Rib Panel over OSB sealed.pdf Created by Independent Third Party: Yes
4595.19	Ultra-Rib	29 Ga. Ultra-Rib Roof Panel over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-101.0PSF Other: -63.5 psf @ 24" o.c. - 101.0 psf @ 24" o.c. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.19 29 Ga. Ultra-Rib Panel over Plywood with shingles sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.19 29 Ga. Ultra-Rib Panel over Plywood with shingles sealed.pdf Created by Independent Third Party: Yes
4595.20	Ultra-Rib	29 Ga. Ultra-Rib Roof Panel over 1x4 Wood Purlins over 15/32" Plywood
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-131.0PSF Other: -52.5 psf @ 24" o.c. fastener spacing. -131.0 psf @ 6" o.c. fastener spacing. Install per manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL4595_R6_II_FL 4595.20 29 Ga. Ultra Rib Panel over 1x4 with shingles sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes Evaluation Reports FL4595_R6_AE_FL 4595.20 29 Ga. Ultra Rib Panel over 1x4 with shingles sealed.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



