

102 Northpoint Parkway  
 Building 106  
 Acworth, GA 30102  
 (800) 272-4482

Florida Product Approval #23225 (formerly FL# 23084)

SUB-CATEGORY: SIDING

Compliant with Florida Building Code 2023 (8<sup>th</sup> ed.)  
 Compliant with Florida Product Approval Rule # 61G20-3  
 Compliant Quality Assurance Program: UL LLC

**FL # 23225.12 Highline Precision Series B1 (11.356" nom.): 24GA (min.) Steel with Clip -181.27 PSF NON-HVHZ**  
 Substrate is 16GA steel supports @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners @ each support Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners Panel ends were fixed to the supports using (1) 1/4"-14 x 1-1/2" long tek fastener at the one interior low cells of the panel.

**FL # 23225.13 Highline Precision Series B1 (11.356" nom.): 24GA (min.) Steel without Clip - 153.73 PSF NON-HVHZ**  
 Substrate is 16GA steel supports @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c. Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners @ each support Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fastener Panel ends were fixed to the supports using (1) 1/4"-14 x 1-1/2" long tek fastener at the one interior low cells of the panel.

**FL # 23225.14 Highline Precision Series B1 (11.356" nom.): 0.032" (min.) Aluminum with Clip -201.91 PSF NON-HVHZ**  
 Substrate is 16GA steel supports @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners @ each support Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners Panel ends were fixed to the supports using (1) 1/4"-14 x 1-1/2" long tek fastener at the one interior low cells of the panel.

**FL # 23225.15 Highline Precision Series B1 (11.356" nom.): 0.032" (min.) Aluminum without Clip -124.45 PSF NON-HVHZ**  
 Substrate is 16GA steel supports @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c. Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners @ each support Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners Panel ends were fixed to the supports using (1) 1/4"-14 x 1-1/2" long tek fastener at the one interior low cells of the panel.

Reference Data:

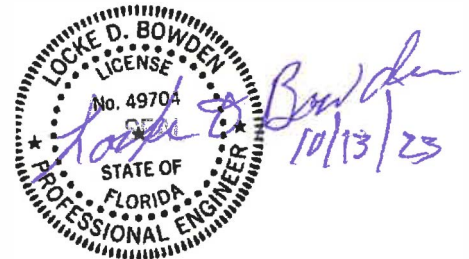
Farabaugh Engineering & Testing (TST-1654)	T129-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T130-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T127-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T128-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T131-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T133-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T134-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T348-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T301-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T346-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T299-11	ASTM E 330-02

Limitations and Conditions of Use:

1. Products herein this report are compliant with current Florida Building Code (FBC)2023 8TH ed.
2. Install in compliance with Florida Building Code 2023 8th ed., and Install per with Manufacturer's installation reference.
3. Products are compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific project approval" to determine appropriate wind safety factors, is allowed by other Florida licensed professionals.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC 2023 8th ed., Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

Certificate of Independence:

Locke Bowden, P.E. does not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. Locke Bowden, P.E. is not owned, operated, or controlled by any company manufacturing or distributing products under this report. seal.



**FL # 23225.16 Highline Precision Series B2 (15.356" nom.): 24GA (min.) Steel without Clip -165.73 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
 Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.17 Highline Precision Series B2 (15.356" nom.): 24GA (min.) Steel with Clip -152.45 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.18 Highline Precision Series B2 (15.356" nom.): 0.032" (min.) Aluminum without Clip -70.09 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
 Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

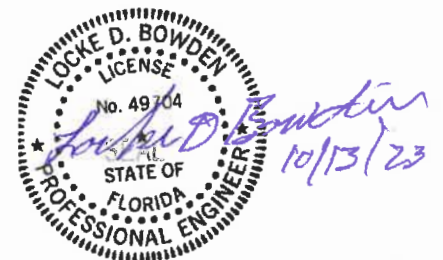
**FL # 23225.19 Highline Precision Series B2 (15.356" nom.): 0.032" (min.) Aluminum with Clip -142.09 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.20 Highline Precision Series C1 (11.356" nom.): 24GA (min.) Steel with Clip -227.91 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.21 Highline Precision Series C1 (11.356" nom.): 24GA (min.) Steel without Clip -124.36 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
 Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.22 Highline Precision Series C1 (11.356" nom.): 0.032" (min.) Aluminum with Clip -199.36 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with Panel Clip: 20GA x 2.5" wide clip; 2 corrosion resistant fasteners per clip at clip leg into supports spaced @ 2'-0" o.c., Corrosion resistant (2) #14-13 x 1-1/2" long, self-drill, flat head, concealor fasteners. Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.23 Highline Precision Series C1 (11.356" nom.): 0.032" (min.) Aluminum without Clip -140.27 PSF Non-HVHZ**  
 Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
 Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
 Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
 Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.



**FL # 23225.24 Highline Precision Series C2 (15.356" nom.): 24GA (min.) Steel without Clip - 114.64 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.25 Highline Precision Series C2 (15.356" nom.): 24GA (min.) Steel with Clip - 142.45 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.26 Highline Precision Series C2 (15.356" nom.): 0.032" (min.) Aluminum without Clip - 95.00 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.27 Highline Precision Series C2 (15.356" nom.): 0.032" (min.) Aluminum with Clip - 142.09 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.28 Highline Precision Series M1 (12.043" nom.): 24GA (min.) Steel with Clip - 181.27 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.29 Highline Precision Series M1 (12.043" nom.): 24GA (min.) Steel without Clip - 153.09 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

**FL # 23225.30 Highline Precision Series M1 (12.043" nom.): 0.032" (min.) Aluminum with Clip - 189.91 PSF Non-HVHZ**

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.  
Starter Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners at ea support  
Last Panel: face fastened w/ (2) 1/4-14 x 2" long tek fasteners  
Panel ends were fixed to the supports using (1) 1/4-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.



FL # 23225.31 Highline Precision Series M1 (12.043" nom.): 0.032" (min.) Aluminum without Clip - 133.18 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) 1/4"-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.32 Highline Precision Series S1 (11.356" nom.): 24GA (min.) Steel with Clip - 181.27 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.33 Highline Precision Series S1 (11.356" nom.): 24GA (min.) Steel without Clip - 134.73 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.34 Highline Precision Series S1 (11.356" nom.): 0.032" (min.) Aluminum without Clip - 95.18 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.35 Highline Precision Series S1 (11.356" nom.): 0.032" (min.) Aluminum with Clip - 99.73 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.36 Highline Precision Series S2 (15.356" nom.): 22GA (only) Steel with Clip - 180.62 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.37 Highline Precision Series S2 (15.356" nom.): 22GA (only) Steel without Clip - 105.18 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.38 Highline Precision Series S2 (15.356" nom.): 0.050" (only) Aluminum with Clip - 142.09 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

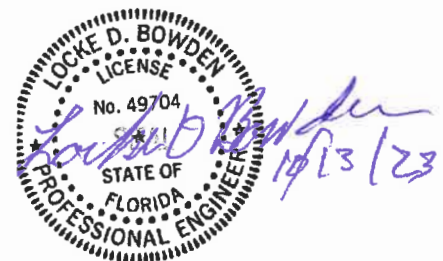
Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners

FL # 23225.39 Highline Precision Series S2 (15.356" nom.): 0.050" (only) Aluminum without Clip - 76.09 PSF Non-HVHZ

Substrate is 16GA horizontal studs @ 24" o.c. fastened with thru fastened corrosion resistant #14-13 x 1-1/2" long self-drill, flat head, concealor fasteners. (1) fastener thru screw leg into supports spaced @ 24" o.c.

Starter Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) 1/4"-14 x 2" long tek fasteners



**FL 23225.40 Product: Large Precision Tile Wall Panel      0.032 Aluminum   width: 14-1/2"      Non-HVHZ**

**-112.5 psf Attached panel to 19/32" plywood decking support member or equivalent substrate fastened to supports with 8d x 2-1/2" long ring shank nails. Nail pattern is 6" o.c. in the field and 6" o.c. around the perimeter. Self Adhering Grace Ice WaterShield or equivalent, placed on top of the plywood substrate and wrapped around the perimeter sides of the wood buck. Large Precision Tile Panels were attached thru the top layer of underlayment membrane, into the plywood substrate using (2) #10 -13 x 1" long GP Concealer screws. Fasteners were located at the pre-punched fasteners holes spaced at 12-7/8" o.c. on the top nail flange for each panel. All fasteners for panel: Corrosion Resistant # 10-13 x 1" long GP Concealer screws**

**FL 23225.41 Product: Large Precision Tile Wall Panel      24GA Steel   width: 14-1/2"      Non-HVHZ**

**-112.5 psf Attached panel to 19/32" plywood decking support member or equivalent substrate fastened to supports with 8d x 2-1/2" long ring shank nails. Nail pattern is 6" o.c. in the field and 6" o.c. around the perimeter. Self Adhering Grace Ice WaterShield or equivalent, placed on top of the plywood substrate and wrapped around the perimeter sides of the wood buck. Large Precision Tile Panels were attached thru the top layer of underlayment membrane, into the plywood substrate using (2) #10 -13 x 1" long GP Concealer screws. Fasteners were located at the pre-punched fasteners holes spaced at 12-7/8" o.c. on the top nail flange for each panel. All fasteners for panel : Corrosion Resistant # 10-13 x 1" long GP Concealer screws.**

**FL 23225.42 Product: Diamond Tile Wall Panel      0.032 Aluminum   width: 7.25"      Non-HVHZ**

**-112.6 psf Attached panel to 19/32" plywood decking support member or equivalent substrate fastened to supports with 8d x 2-1/2" long ring shank nails. Nail pattern is 6" o.c. in the field and 6" o.c. around the perimeter. Self Adhering Grace Ice WaterShield or equivalent, placed on top of the plywood substrate and wrapped around the perimeter sides of the wood buck. The Precision Diamond Tile Panels were attached thru the top layer of underlayment membrane and into the plywood substrate using (2) # 10 -13 x 1" long GP Concealer screws. Fasteners were located at the pre-punched fasteners holes spaced at 6-3/8" o.c. on the top nail flange for each panel. All fasteners for panel: Corrosion Resistant # 10-13 x 1" long GP Concealer screws.**

**FL # 23225.43 Product: Diamond Tile Wall Panel      24GA Steel   width: 14-1/2"      Non-HVHZ**

**-112.5 psf Attached panel to 19/32" plywood decking support member or equivalent substrate fastened to supports with 8d x 2-1/2" long ring shank nails. Nail pattern is 6" o.c. in the field and 6" o.c. around the perimeter. Self Adhering Grace Ice WaterShield or equivalent, placed on top of the plywood substrate and wrapped around the perimeter sides of the wood buck. The Precision Diamond Tile Panels were attached thru the top layer of underlayment membrane and into the plywood substrate using (2) # 10 -13 x 1" long GP Concealer screws. Fasteners were located at the pre-punched fasteners holes spaced at 12-7/8" o.c. on the top nail flange for each panel. All fasteners for panel: Corrosion Resistant # 10-13 x 1" long GP Concealer screws.**

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Project Test #T114-17 ASTM E 330-02, ASTM E 331-00, AAMA 501.1-05 Project  
 Test #T125-17      ASTM E 330 -02  
 Project Test #T113-17ASTM E 330 -02,ASTM E 331-00, AAM 501.1 -05  
 Project Test #T125-17      ASTM E 330 -02

**FL # 23225.44 Precision Series: HWP (12" nom.): 24GA (min.) Steel with Clip      - 184.09 PSF      Non-HVHZ**

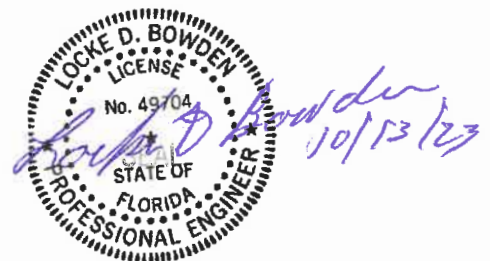
The panels were installed over 16GA supports fastened with a fixed clip @ 4'-0" o.c. using corrosion resistant fastener (2) #10-16 x 1" long pancake head, self-drill fasteners; 2 fasteners per clip. The panel side-joints were a tongue and groove type as shown on the installation detail.

**FL # 23225.45 Precision Series: HWP (12" nom.): 24GA (min.) Steel without Clip      - 88.48 PSF      Non-HVHZ**

The panels were installed over 16GA supports @ 4'-0" o.c. fastened with corrosion resistant (1) #10-16 x 1" long pancake head, self-drill fasteners located on the panel nail groove. The panel side-joints were a tongue and groove type as shown on the installation detail.

**FL # 23225.46 Precision Series: HWP (12" nom.): 0.032" (min.) Aluminum with Clip      - 151.00 PSF      Non-HVHZ**

The panels were installed over 16GA supports fastened with a fixed clip @ 4'-0" o.c. using corrosion resistant (2) #10-16 x 1" long pancake head, self-drill fasteners; 2 fasteners per clip. The panel side-joints were a tongue and groove type as shown on the installation detail.



FL # 23225.47 Precision Series: HWP (12" nom.): 0.032" (min.) Aluminum without Clip - 41.20 PSF Non-HVHZ

The panels were installed over 16GA supports @ 4'-0" o.c. fastened with corrosion resistant (2) #10-16 x 1" long pancake head, self-drill fasteners located on the panel nail groove. The panel side-joints were a tongue and groove type as shown on the installation detail. 2 fasteners per support.

FL # 23225.48 Precision Series: HWP (16" nom.): 24GA (min.) Steel with Clip - 184.09 PSF Non-HVHZ

The panels were installed over 16GA supports fastened with a fixed clip @ 4'-0" o.c. using corrosion resistant fastener (2) #10-16 x 1" long pancake head, self-drill fasteners; 2 fasteners per clip. The panel side-joints were a tongue and groove type as shown on the installation details.

FL # 23225.49 Precision Series: HWP (16" nom.): 0.032" (min.) Aluminum with Clip - 151.00 PSF Non-HVHZ

The panels were installed over 16GA supports fastened with a fixed clip @ 4'-0" o.c. using corrosion resistant (2) #10-16 x 1" long pancake head, self-drill fasteners; 2 fasteners per clip. The panel side-joints were a tongue and groove type as shown on the installation details.

FL # 23225.50 Precision Series: HWP (16" nom.): 24GA (min.) Steel without Clip - 88.48 PSF Non-HVHZ

The panels were installed over 16GA supports @ 4'-0" o.c. fastened with corrosion resistant (1) #10-16 x 1" long pancake head, self-drill fasteners located on the panel nail groove. The panel side-joints were a tongue and groove type as shown on the attached detail.

FL # 23225.51 Precision Series: HWP (16" nom.): 0.032" (min.) Aluminum without Clip - 41.20 PSF Non-HVHZ

The panels were installed over 16GA supports @ 4'-0" o.c. fastened with corrosion resistant (2) #10-16 x 1" long pancake head, self-drill fasteners located on the panel nail groove. The panel side-joints were a tongue and groove type as shown on the installation detail. 2 fasteners per support.

**TEST REFERENCES**

Farabaugh Engineering & Testing (TST-1654)  
 Farabaugh Engineering & Testing (TST-1654)  
 Farabaugh Engineering & Testing (TST-1654)  
 Farabaugh Engineering & Testing (TST-1654)

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 Farabaugh Engineering and Testing ( TST1654)  
 Farabaugh Engineering and Testing ( TST1654)

Reference Data: *ASTM E 1592-05 (2012) is equivalent to test standard ASTM E 1592-12.*

Project Test #T114-17 ASTM E 330-02, ASTM E 331-00, AAMA 501.1-05 Project  
 Test #T125-17 ASTM E 330 -02  
 Project Test #T113-17ASTM E 330 -02,ASTM E 331-00, AAM 501.1 -05  
 Project Test #T125-17 ASTM E 330 -02

Project Test #T277-08 ASTM E 1592-01 (2012)  
 Project Test #T281-08 ASTM E 1592-01 (2012)  
 Project Test #T234-11 ASTM E 1592-01 (2012)  
 Project Test #T267-11 ASTM E 283-04, ASTM E 331-00

Project Test #T170-08 ASTM E 1592-01 (2012)  
 Project Test #T171-08 ASTM E 1592-01 (2012)  
 Project Test #T176-08 ASTM E 1592-01 (2012)  
 Project Test #T175-08 ASTM E 1592-01 (2012)

Project Test #T166 ASTM E 283-04, ASTM E 331-00  
 Project Test #T126-09 ASTM E 1592-01 (2012)  
 Project Test #T124-09 ASTM E 1592-01 (2012)  
 Project Test #T132-11 ASTM E 283-04, ASTM E 331-00

**Reference Data:**

Farabaugh Engineering & Testing (TST-1654)	T129-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T130-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T127-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T128-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T131-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T133-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T134-17	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T348-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T301-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T346-11	ASTM E 330-02
Farabaugh Engineering & Testing (TST-1654)	T299-11	ASTM E 330-02

**Limitations and Conditions of Use:**

1. Products herein this report are compliant with current Florida Building Code (FBC)2023 8TH ed.
2. Install in compliance with Florida Building Code 2023 8th ed., and Install per with Manufacturer's installation reference.
3. Products are compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific project approval" to determine appropriate wind safety factors, is allowed by other Florida licensed professionals.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC 2023 8th ed., Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.

