

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 2017 (6th ed.)

Compliant with Florida Product Approval Rule # 61G20-3

Compliant Quality Assurance Program: UL LLC

FL # 23225.1 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 # 23225.2 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 # 23225.3 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 # 23225.4 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

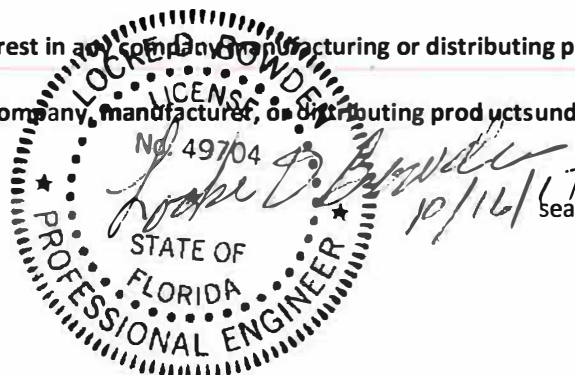
Limitations and Conditions of Use:

1. Products herein this report are compliant with current Florida Building Code (FBC)2017 6TH ed.
2. Install in compliance with Florida Building Code 2017 6th 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 2017 6th 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, not 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, manufacturer, or distributor of products under this report.



FL # 23225.5 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 # 23225.6 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 # 23225.7 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 # 23225.8 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 # 23225.9 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 # 23225.10 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 # 23225.11 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 # 23225.12 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 # 23225.13 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 # 23225.14 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.15 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.16 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.17 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.18 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.19 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.20 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

Panel ends were fixed to the supports using (1) ¼-14 x 1-1/2" long tek fastener at the two interior low cells of the panel.

FL # 23225.21 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.22 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.23 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.24 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.25 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.26 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.27 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.28 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) ¼-14 x 2" long tek fasteners at ea support

Last Panel: face fastened w/ (2) ¼-14 x 2" long tek fasteners

FL # 23225.29 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 # 23225.30 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 # 23225.31 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 # 23225.32 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 # 23225.33 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 # 23225.34 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 # 23225.35 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 # 23225.36 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.