**NEMO|etc.**
*Certificate of Authorization #32455*
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

**ENGINEER** **TEST** **CONSULT**

# P.E. EVALUATION REPORT (PEER)

**Dri-Design®**
**A Kingspan Group Company**
12480 Superior Court
Holland, MI 49424
(616) 355-2970

**PEER-DD-001.A-R5**
**FL12553-R7**
Date of Issuance: 05/05/2009
**Revision 5: 10/23/2024**

**SCOPE:**
This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **8th Edition (2023) Florida Building Code** sections noted herein.

**DESCRIPTION: Dri-Design® and EN-V® Non-Structural Metal Wall Cladding Systems**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance, or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

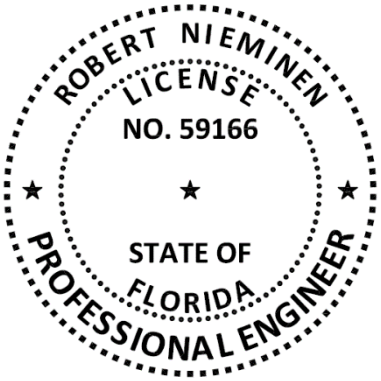
**INSPECTION:** Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4, plus an 8-page Appendix.

**Prepared by:**

Digitally signed by Robert Nieminen
Date: 2024.10.23 '09:14:28 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455




**CERTIFICATION OF INDEPENDENCE:**
1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

**PANEL WALLS – SIDING EVALUATION:**

## 1. SCOPE:

**Product Category:** Panel Walls
**Sub-Category:** Siding
**Product Approval Method:** Method 1, Option D: Codified Material, Evaluation by Engineer
**Compliance Statement: Dri-Design® and EN-V® Non-Structural Metal Wall Cladding Systems**, as produced by **Dri-Design**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.

## 2. STANDARDS:

| SECTION | PROPERTY | STANDARD |
|---|---|---|
| 1404.5.1 | Wind resistance | AAMA 1402 |
| 1405.1 | Wind resistance (Uniform & Cyclic) | TAS 202/203 |

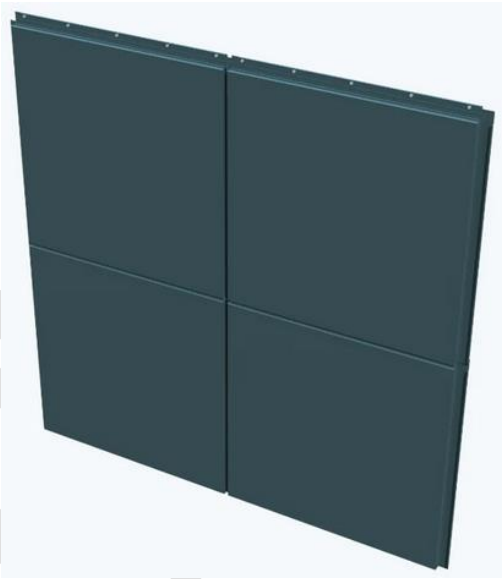
## 3. REFERENCES:

| ENTITY | EXAMINATION | REFERENCE | DATE |
|---|---|---|---|
| ATI (TST1558) | AAMA 1402 | 06-30158.01 | 05/21/2001 |
| ATI (TST1558) | AAMA 1402 | 06-30158.02 | 05/21/2001 |
| ATI (TST1558) | AAMA 1402 | 06-30158.03 | 05/21/2001 |
| ATI (TST1558) | AAMA 1402 | 81188.02-109-44 | 07/25/2008 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.01 | 03/12/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.02 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.03 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.04 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.05 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.06 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.07 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.08 | 07/08/2024 |
| QCT (TST8039) | TAS 202/203 | QCT23-7181.09 | 07/08/2024 |
| Dri-Design | Mill Certifications | Mill Certifications | Various |
| ATI/Intertek (QUA 1844) | Quality Control | Inspection report | 01/10/2023 |
| ATI/Intertek (QUA 1844) | Quality Control | Florida BCIS | Current |

## 4. PRODUCT DESCRIPTION:

4.1 The following non-structural metal wall cladding panels are mechanically attached to Approved substrates, as outlined in the Limitations of Use herein.

4.1.1 **Dri-Design®:** Metal, dry-joint, rain screen wall panel system consisting of aluminum or zinc sheet panels mechanically attached at concealed, integral flanges. Panels are nominal 1¼ to 1½-inch deep. This evaluation is limited to the following panel thickness/height combinations. This product is not for use in HVHZ jurisdictions.



| MATERIAL | STANDARD | NOMINAL THICKNESS (INCH) | HEIGHT (INCH) |
|---|---|---|---|
| Aluminum Alloy | ASTM B209, 3003-H14 or 5005-H34, 22 ksi | Min. 0.050 | Max. 30 |
| | | Min. 0.080 | Max. 48 |
| Zinc Alloy | ASTM B69, Architectural Zinc, Type 1 | Min. 0.040 | Max. 18.5 |
| | | Min. 0.060 | Max. 32 |

4.1.2 **EN-V® Panel:** Rain screen wall panel system consisting of sheet panels mechanically attached at concealed, integral flanges. Panels are nominal 1¼ to 1½-inch deep. This evaluation is limited to the following panel thickness/height combinations. This product may be used in non-HVHZ and HVHZ jurisdictions.

| SERIES | MATERIAL | STANDARD | NOMINAL THICKNESS (INCH) | HEIGHT (INCH) |
|---|---|---|---|---|
| A80-Series | Aluminum | ASTM B209, 3003-H14, 20 ksi | Min. 12 ga. (0.080-inch) | Max. 36 |
| G-Series | Galvanized steel | ASTM A792, Grade 50 | Min. 22 ga. (0.028-inch) | Max. 36 |
| Z-Series | Zinc | ASTM B69, Architectural Zinc, Type 1 | 18 ga. (0.039-inch) | Max. 30 |

## 5. LIMITATIONS:

5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER does not address fire-resistance-rating performance of the completed wall assemblies.

5.3 Wind Resistance:

5.3.1 Limitations relating to design wind pressure resistance are outlined in Appendix 1.

5.3.2 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to **FBC 1609 (for non-HVHZ) or FBC 1620 (for HVHZ)** for determination of project-specific design wind pressures. The MDP for the selected installation shall meet or exceed the design wind pressure requirement for the project for each pressure zone.

5.3.3 This evaluation is limited to the wall panel and its connecting fasteners. The design professional shall determine the appropriate wall cladding design pressure requirements for comparison to the allowable pressures listed in Appendix 1, and analyze the panel fasteners for pullout for use atop the specified sheathing or hat-channels to the satisfaction of the Authority Having Jurisdiction.

5.3.4 The systems are not intended for racking or shear resistance.

5.4 For existing substrates, the Authority Having Jurisdiction may require fasteners be tested in the existing substrate for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system.

5.5 All products in the wall assembly shall have QA audit in accordance with the **F.A.C. Rule 61G20-3**.

## 6. INSTALLATION:

6.1 **Dri-Design® and EN-V® Non-Structural Metal Wall Cladding Systems** shall be installed in accordance with **Dri-Design** published installation instructions, subject to the Limitations of Use noted herein.

6.2 Refer to FBC 1403.2 for requirements concerning a water-resistive barrier.

6.3 Minimum system attachment requirements set forth in Appendix 1 shall not be exceeded.

## 7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

## 8. MANUFACTURING PLANTS:

Schofield, WI

## 9. QUALITY ASSURANCE ENTITY:

Architectural Testing, Inc., an Intertek Company – QUA1844; (312) 906-7779; maura.norlander@intertek.com

***- THE 8-PAGES THAT FOLLOW FORM PART OF THIS PEER -***

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## APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE



**The following notes apply to the systems outlined herein:**

1. The evaluation herein pertains to wall-cladding components. Framing and sheathing shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
2. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 (non-HVHZ) or FBC 1620 (HVHZ) for determination of design wind loads.

### TABLE 1: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
### DRI-DESIGN® SYSTEM
### (NOT FOR USE IN HVHZ JURISDICTIONS)

| SYSTEM NO. | SUPPORT TYPE (NOTE 1) | DRI-DESIGN PANEL | | | PANEL ATTACHMENT (FIGURE 1A TO 1C) | | | MDP (PSF) | IMPACT RESISTANT |
|---|---|---|---|---|---|---|---|---|---|
| | | MATERIAL | MIN. THICKNESS | PANEL HEIGHT | COMPONENT ATTACHED | FASTENERS (F) | FASTENER SPACING | | |
| 1. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Aluminum | 0.050-inch | 30-inch | Min. 0.050" aluminum J-Channel at wall sill | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | +20.1<br>-43.5 | N/A |
| | | | | | Min. 0.050" aluminum closure at wall terminations | #8 x 1-5/8" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | | |
| 2. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Aluminum | 0.050-inch | 30-inch | Min. 0.050" aluminum J-Channel at wall sill | #12 x 1" self-tapping, pancake head screws | 8" o.c. | +43.3<br>-60.0 | N/A |
| | | | | | Min. 0.050" aluminum closure at wall terminations | #12 x 1" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #12 x 1" self-tapping, pancake head screws | 14" o.c. | | |
| 3. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Aluminum | 0.080-inch | 33-inch | Min. 0.080" aluminum J-Channel at wall sill | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | +20.1<br>-60.2 | N/A |
| | | | | | Min. 0.080" aluminum closure at wall terminations | #8 x 1-5/8" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | | |
| 4. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Aluminum | 0.080-inch | 48-inch | Min. 0.080" aluminum J-Channel at wall sill | #12 x 1" self-tapping, pancake head screws | 8" o.c. | +43.3<br>-43.3 | N/A |
| | | | | | Min. 0.080" aluminum closure at wall terminations | #12 x 1" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #12 x 1" self-tapping, pancake head screws | 16" o.c. | | |
| 5. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Zinc | 0.040-inch | 18½-inch | Min. 0.040" zinc J-Channel at wall sill | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | +27.6<br>-25.0 | N/A |
| | | | | | Min. 0.040" zinc closure at wall terminations | #8 x 1-5/8" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | | |

**TABLE 1: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES**
**DRI-DESIGN® SYSTEM**
**(NOT FOR USE IN HVHZ JURISDICTIONS)**

| SYSTEM NO. | SUPPORT TYPE (NOTE 1) | DRI-DESIGN PANEL | | | PANEL ATTACHMENT (FIGURE 1A TO 1C) | | | MDP (PSF) | IMPACT RESISTANT |
|---|---|---|---|---|---|---|---|---|---|
| | | MATERIAL | MIN. THICKNESS | PANEL HEIGHT | COMPONENT ATTACHED | FASTENERS (F) | FASTENER SPACING | | |
| 6. | Min. 5/8-inch plywood or min. 14 ga. Steel girts and/or hat channels | Zinc | 0.060-inch | 32-inch | Min. 0.060" zinc J-Channel at wall sill | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | +20.1 -33.4 | N/A |
| | | | | | Min. 0.060" zinc closure at wall terminations | #8 x 1-5/8" self-tapping, pancake head screws | 16" o.c. | | |
| | | | | | Integral Horizontal Flange | #8 x ¾" self-tapping, pancake head screws | 8" o.c. | | |

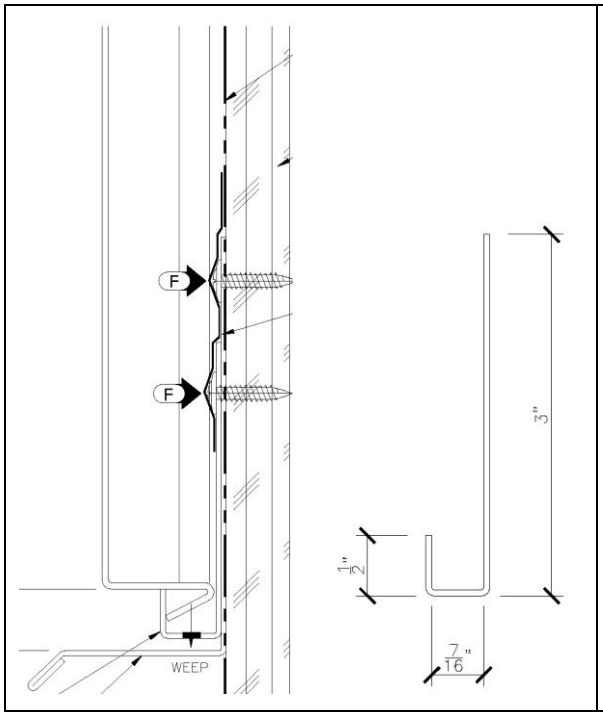



FIGURE 1A: DRI-DESIGN PANEL
SILL SECUREMENT W/ J-CHANNEL

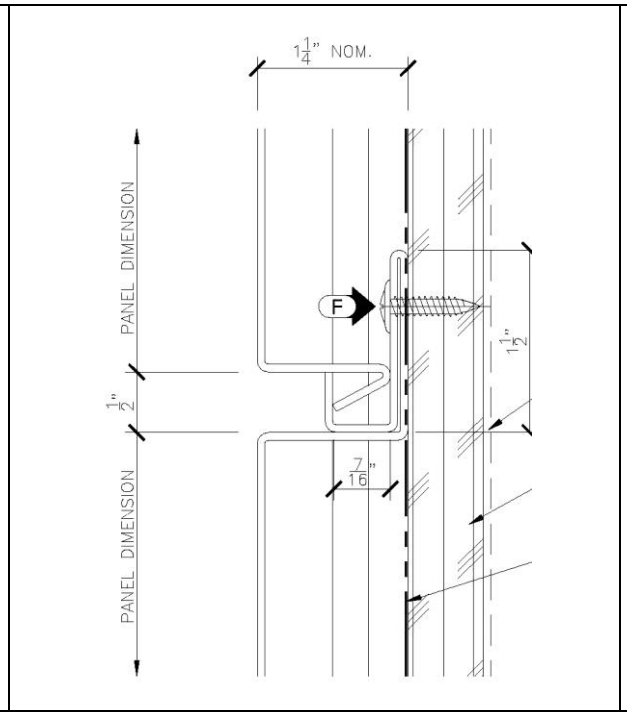



FIGURE 1B: DRI-DESIGN PANEL
HORIZONTAL JOINT SECUREMENT

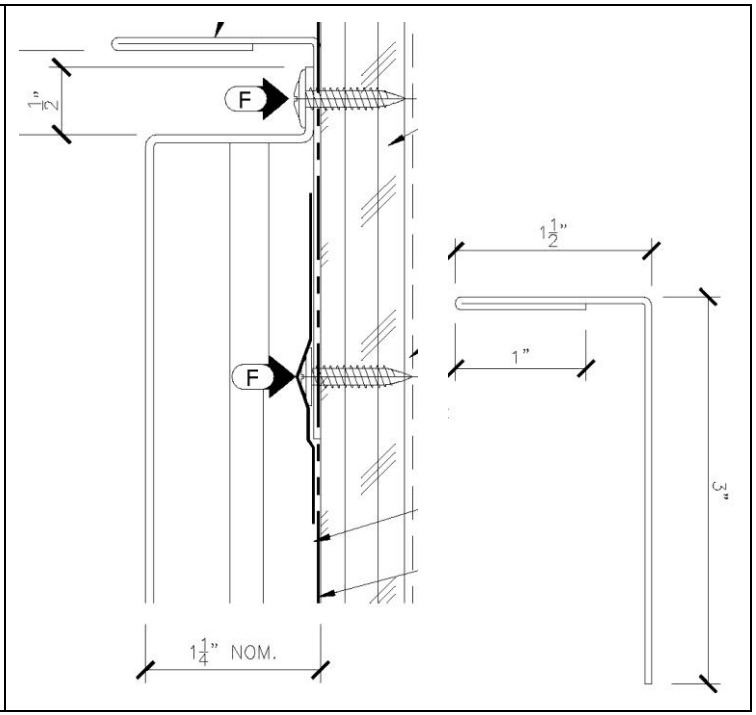



FIGURE 1C: DRI-DESIGN PANEL
TOP SECUREMENT W/ CLOSURE TRIM

## TABLE 2A: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
## EN-V® SYSTEM, A80-SERIES (FLANGE ATTACHED)
## (FOR USE IN NON-HVHZ AND HVHZ JURISDICTIONS)

| System No. | Support Type (Note 1) | EN-V® Panel | | | | | Panel Attachment (Figure 2B to 2D) | | | MDP (psf) | Impact Resistant |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Series | Material | Min. Thick | Max. Panel Height | Stiffeners (Figure 2A) | Component Attached | Fasteners | Fastener Spacing | | |
| 7. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | A80 | Aluminum | 12 ga. (0.080-inch) | 24-inch | Vertically max. 14¼ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±70.0 | N/A |
| 8. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | A80 | Aluminum | 12 ga. (0.080-inch) | 36-inch | Vertically max. $11^{13}/_{16}$ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±70.0 | N/A |

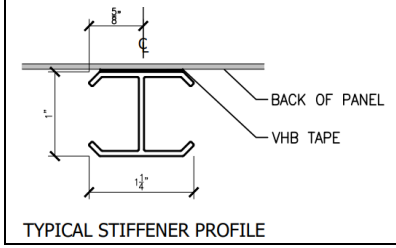



FIGURE 2A: STIFFENER PROFILE

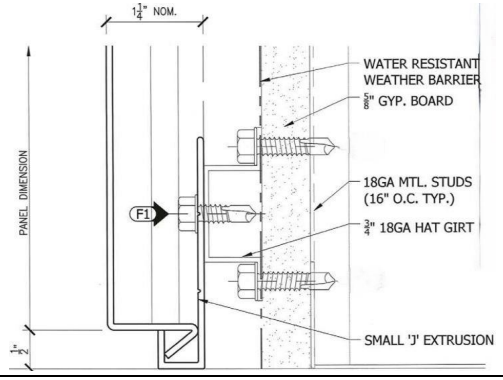



FIGURE 2B: EN-V® A80-SERIES SILL SECUREMENT

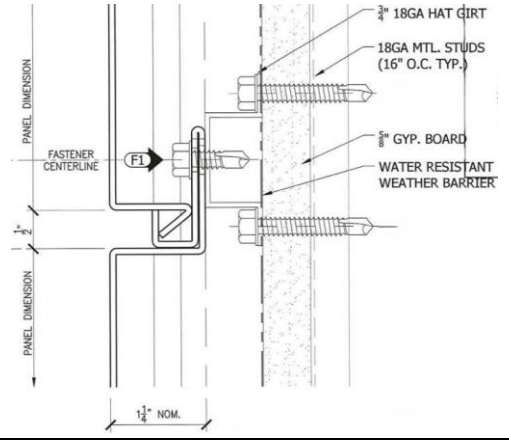



FIGURE 2C: EN-V® A80-SERIES HORIZONTAL JOINT SECUREMENT

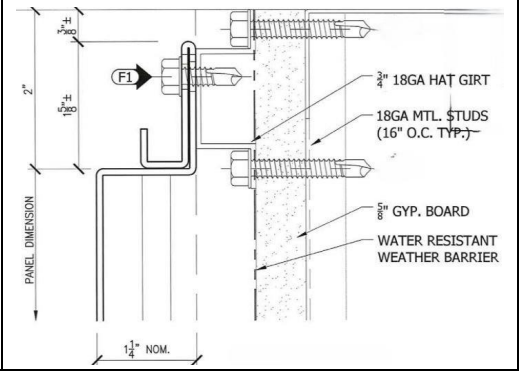
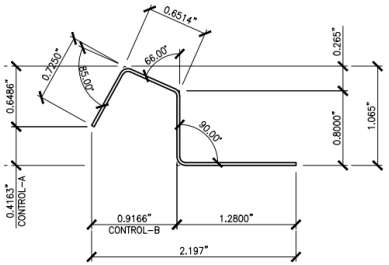
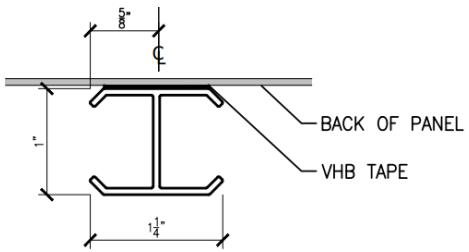



FIGURE 2D: EN-V® A80-SERIES PANEL TOP SECUREMENT

**TABLE 2B: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES**
**EN-V® SYSTEM, A80-SERIES (INTEGRAL FLANGE WITH CLIPS)**
**(FOR USE IN NON-HVHZ AND HVHZ JURISDICTIONS)**

| SYSTEM NO. | SUPPORT TYPE (NOTE 1) | EN-V® PANEL | | | | | PANEL ATTACHMENT (FIGURE 2F TO 2J) | | | MDP (PSF) | IMPACT RESISTANT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SERIES | MATERIAL | MIN. THICK | MAX. PANEL WIDTH | STIFFENERS (FIGURE 2E) | COMPONENT ATTACHED | FASTENERS | SPACING | | |
| 9. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | A80 | Aluminum | 12 ga. (0.080-inch) | 24-inch | Horizontally max. 17 7/8 inch o.c. | J-Channel (at sill) and Integral Horiztonal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | Horizontally 8" o.c. | ±60.0 | N/A |
| | | | | | | | 22 ga. x 3.5" wide, ASTM A240, Type 304 2B stainless steel wind clips (Part No. WLC-080-35)   | F1: ¼-14 x 1" HWH Teks screws, one (1) per clip | Vertically 24" o.c. | | |



TYPICAL STIFFENER PROFILE

FIGURE 2E: STIFFENER PROFILE

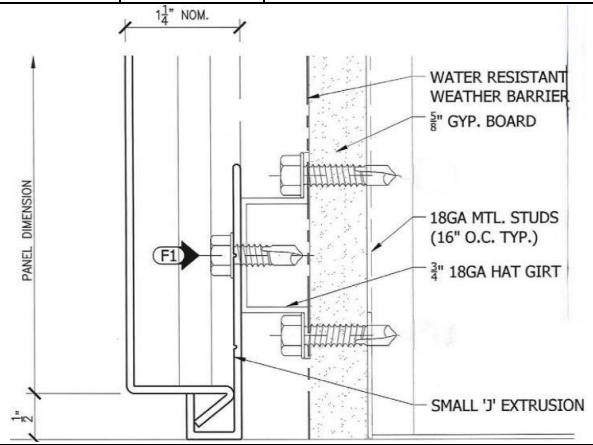



FIGURE 2F: EN-V® A80-SERIES SILL SECUREMENT

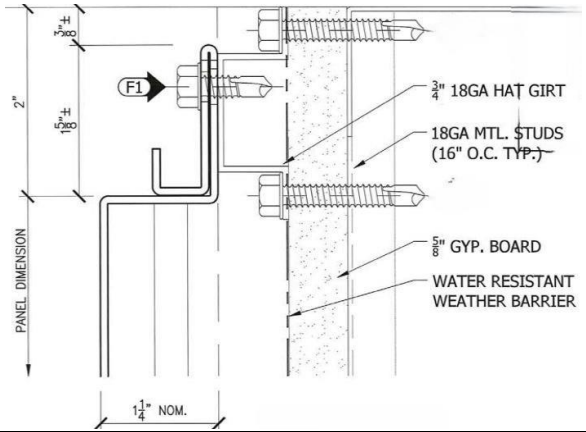



FIGURE 2G: EN-V® A80-SERIES PANEL TOP SECUREMENT

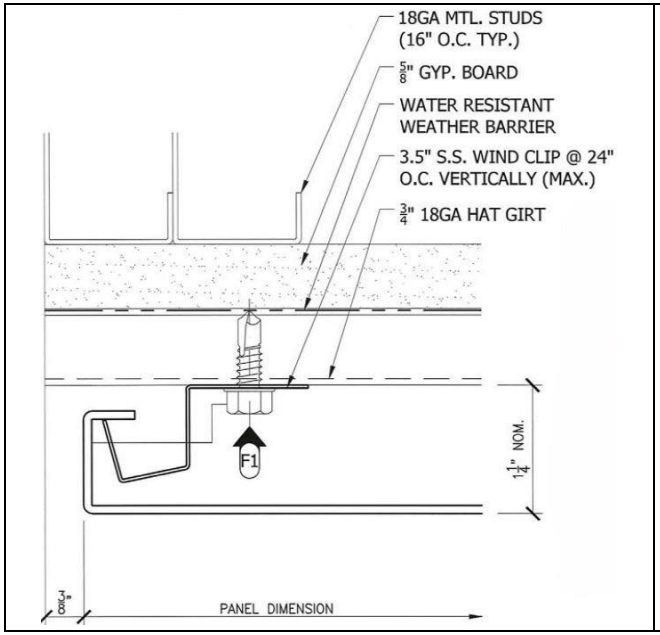



**FIGURE 2H: EN-V® A80-SERIES CLIPS AT LEFT JAMB**

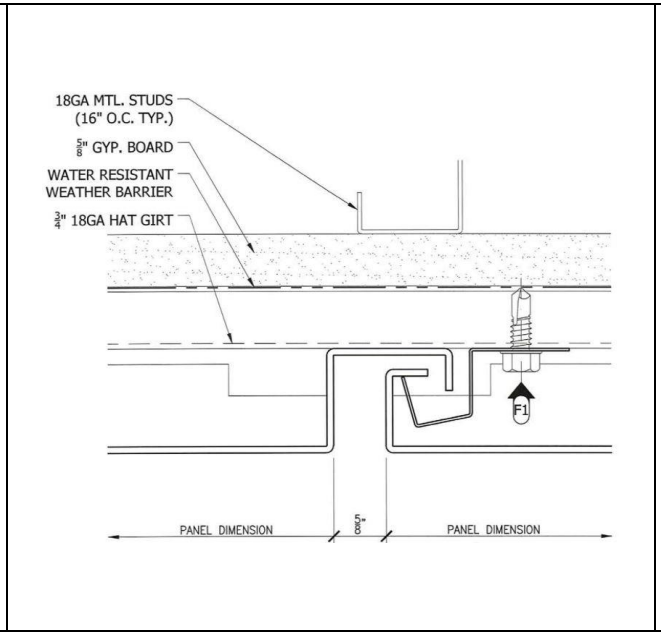



**FIGURE 2I: EN-V® A80-SERIES CLIPS AT VERTICAL JOINT**

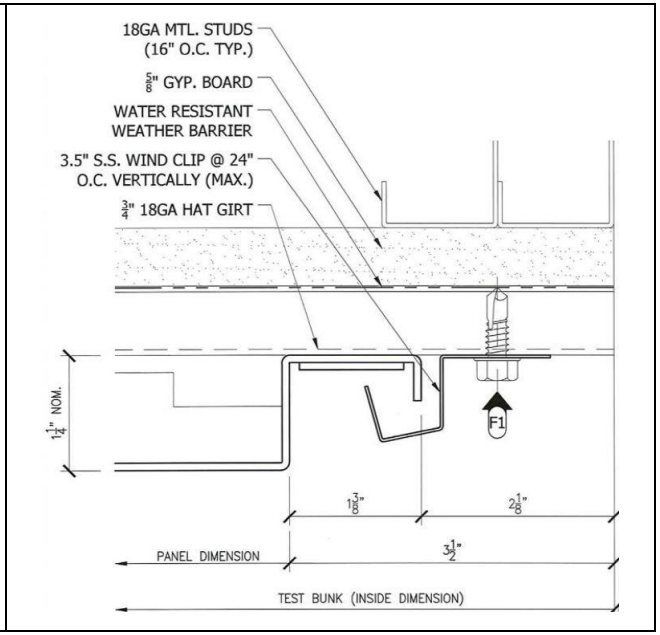



**FIGURE 2J: EN-V® A80-SERIES CLIPS AT RIGHT JAMB**

## TABLE 3A: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES
## EN-V® SYSTEM, G-SERIES, 22 GA.
## (FOR USE IN NON-HVHZ AND HVHZ JURISDICTIONS)

| SYSTEM NO. | SUPPORT TYPE (NOTE 1) | EN-V® PANEL | | | | | PANEL ATTACHMENT (FIGURE 3B TO 3D) | | | MDP (PSF) | IMPACT RESISTANT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SERIES | MATERIAL | MIN. THICK | MAX. PANEL HEIGHT | STIFFENERS (FIGURE 3A) | COMPONENT ATTACHED | FASTENERS | FASTENER SPACING | | |
| 10. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | G | Steel | 22 ga. (0.028-inch) | 24-inch | Vertically max. 14¼ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±70.0 | N/A |
| 11. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | G | Steel | 22 ga. (0.028-inch) | 36-inch | Vertically max. $11^{13}/_{16}$ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±70.0 | N/A |

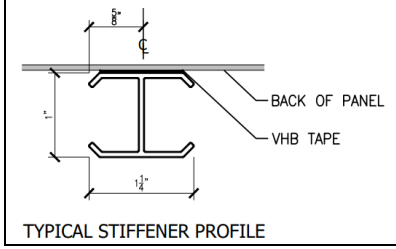



FIGURE 3A: STIFFENER PROFILE

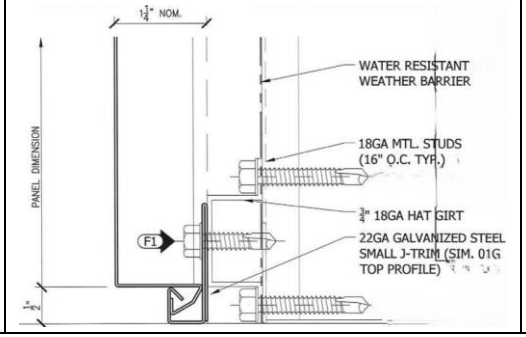



FIGURE 3B: EN-V® G SERIES, 22 GA.
SILL SECUREMENT

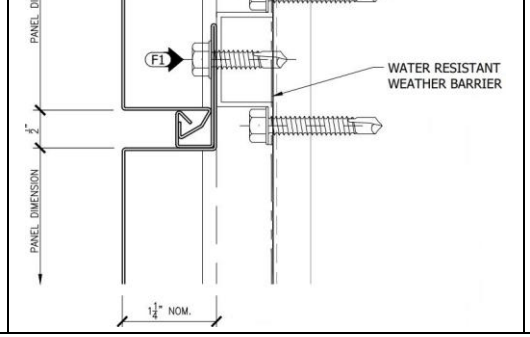



FIGURE 3C: EN-V® G SERIES, 22 GA.
HORIZONTAL JOINT SECUREMENT

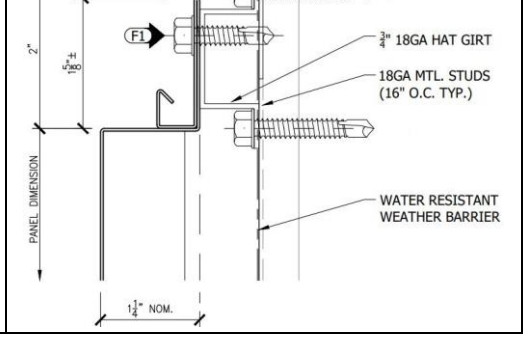



FIGURE 3D: EN-V® G SERIES, 22 GA.
PANEL TOP SECUREMENT

NEMO|etc.®

**TABLE 3B: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES**
**EN-V® SYSTEM, G-SERIES, 16 GA.**
**(FOR USE IN NON-HVHZ AND HVHZ JURISDICTIONS)**

| System No. | Support Type (Note 1) | EN-V® Panel | | | | | Panel Attachment (Figure 3F to 3H) | | | MDP (psf) | Impact Resistant |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Series | Material | Min. Thick | Max. Panel Height | Stiffeners (Figure 3E) | Component Attached | Fasteners | Fastener Spacing | | |
| 12. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | G | Steel | 16 ga. (0.059-inch) | 24-inch | Vertically max. 14¼ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±80.0 | N/A |
| 13. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | G | Steel | 16 ga. (0.059-inch) | 36-inch | Vertically max. $11^{13}/_{16}$ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±80.0 | N/A |

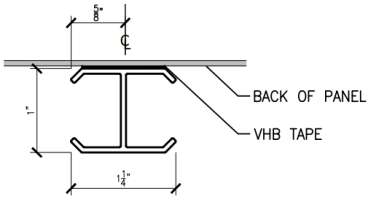



**FIGURE 3E: STIFFENER PROFILE**

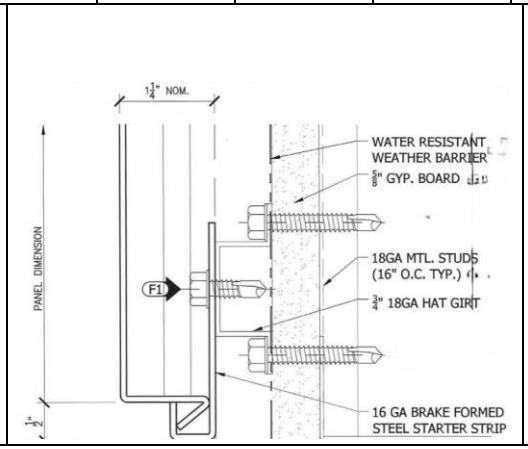



**FIGURE 3F: EN-V® G-SERIES (16 GA.) SILL SECUREMENT**

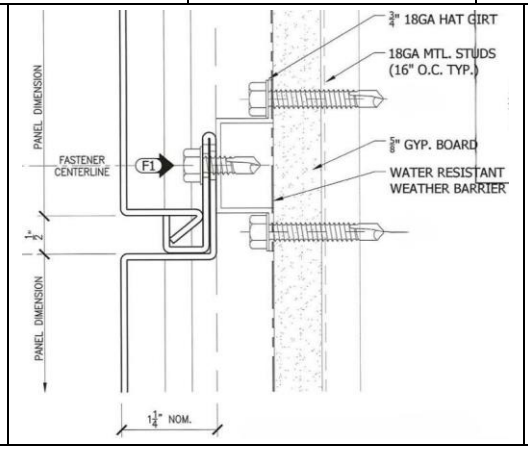



**FIGURE 3G: EN-V® G-SERIES (16 GA.) HORIZONTAL JOINT SECUREMENT**

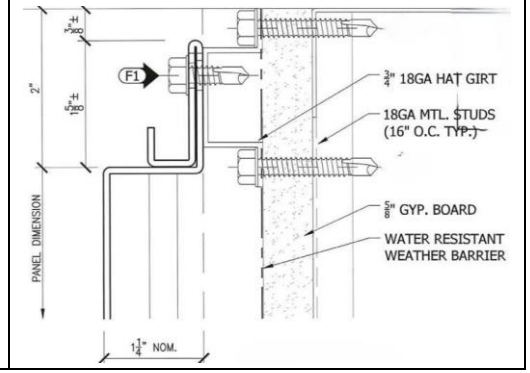



**FIGURE 3H: EN-V® G-SERIES (16 GA.) PANEL TOP SECUREMENT**

**TABLE 4: SYSTEM DESCRIPTION & ALLOWABLE DESIGN PRESSURES**
**EN-V® SYSTEM, Z-SERIES**
**(FOR USE IN NON-HVHZ AND HVHZ JURISDICTIONS)**

| SYSTEM NO. | SUPPORT TYPE (NOTE 1) | EN-V® PANEL | | | | | PANEL ATTACHMENT (FIGURE 4B TO 4D) | | | MDP (PSF) | IMPACT RESISTANT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SERIES | MATERIAL | MIN. THICK | MAX. PANEL HEIGHT | STIFFENERS (FIGURE 4A) | COMPONENT ATTACHED | FASTENERS | FASTENER SPACING | | |
| 14. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | Z | Zinc | 18 ga. (0.039-inch) | 24-inch | Vertically max. 14¼ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±60.0 | N/A |
| 15. | Min. 18 ga. Steel girts and/or hat channels over solidly sheathed wall | Z | Zinc | 18 ga. (0.039-inch) | 30-inch | Vertically max. $9^{13}/_{16}$ inch o.c. | J-Channel (at sill) and Integral Horizontal Flange (at top) | F1: ¼-14 x 1" HWH Teks screws | 8" o.c. | ±60.0 | N/A |

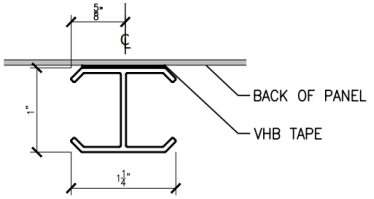



FIGURE 4A: STIFFENER PROFILE

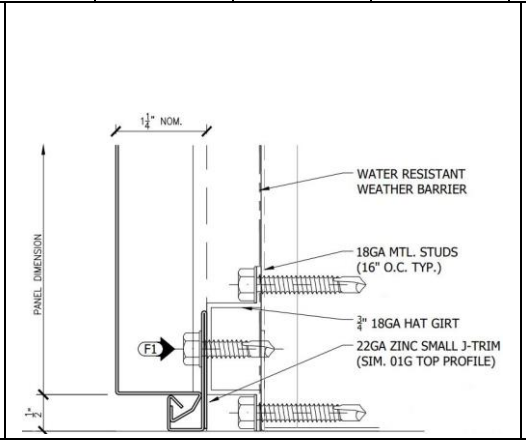



FIGURE 4B: EN-V® Z-SERIES SILL SECUREMENT

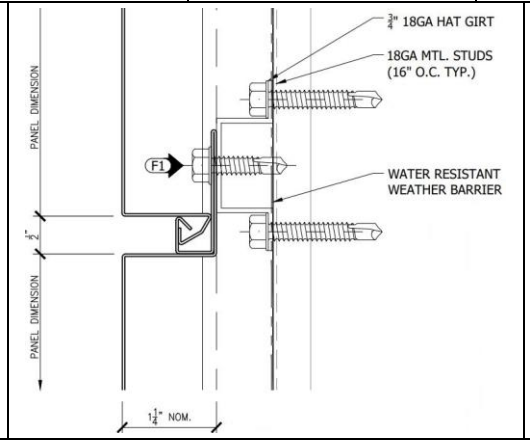



FIGURE 4C: EN-V® Z-SERIES HORIZONTAL JOINT SECUREMENT

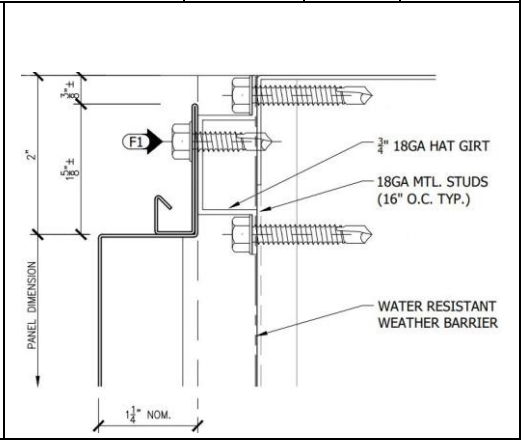



FIGURE 4D: EN-V® Z-SERIES PANEL TOP SECUREMENT