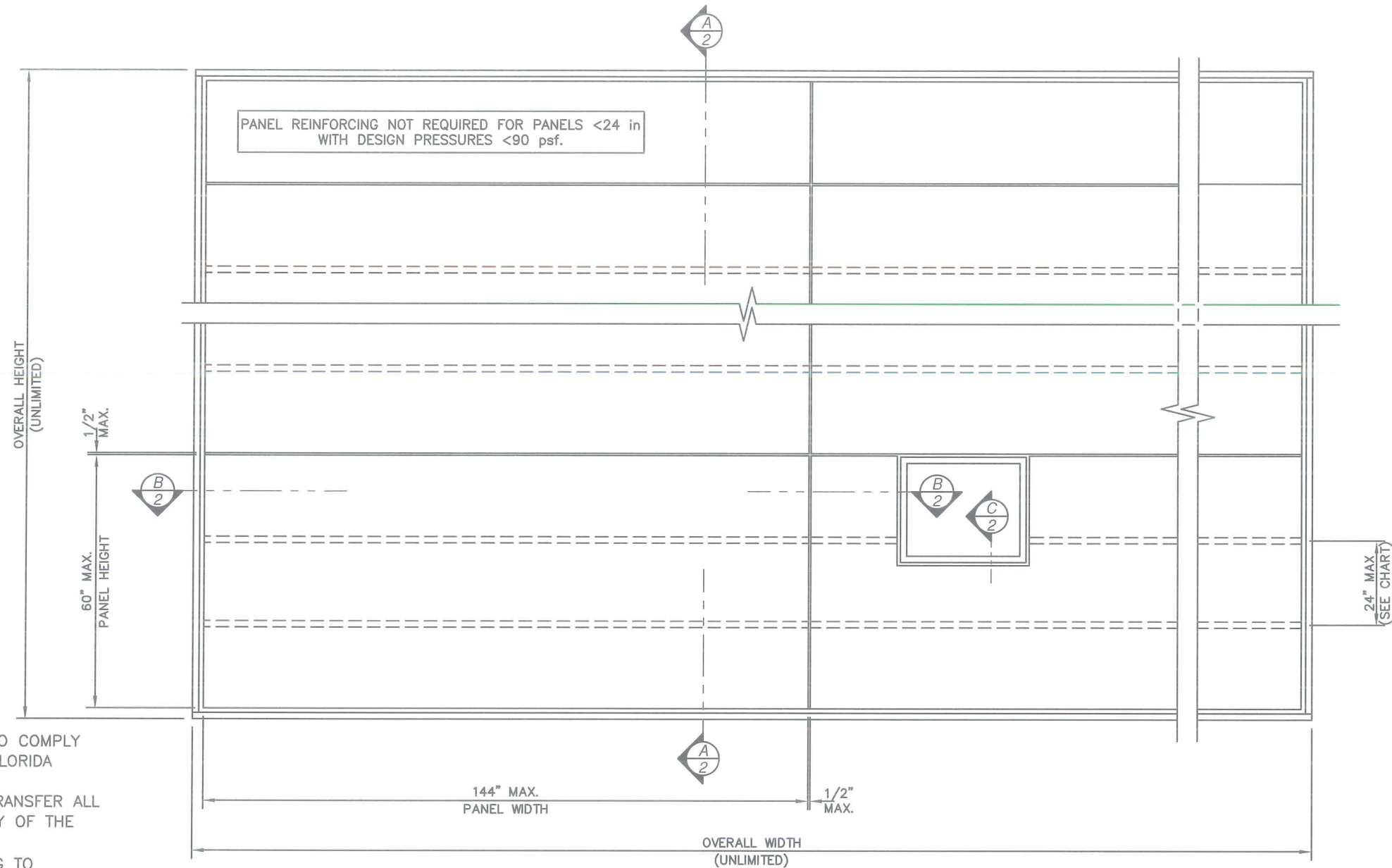


**KISTLER MCDUGALL 400 SERIES
COMPOSITE METAL PANEL SYSTEM**

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH ALL THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE FOR USE OUTSIDE OF THE HVHZ.
2. METAL FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. SHEATHING TO BE 1/2" THICK MINIMUM AND SECURED TO FRAMING TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. PANEL THICKNESS TO BE 4MM (MIN).
5. PANEL MATERIAL TO BE COMPOSITE WITH A 3105-H14 ALUMINUM FACE .020" MINIMUM THICKNESS WITH POLYETHYLENE OR FIRE RETARDANT CORE.
6. MAXIMUM PANEL SIZE: 60" X 144"
7. PANELS MAY BE OBTAINED FROM THE FOLLOWING MANUFACTURERS AND UNDER THESE BRAND NAMES:
REYNOBOND BY ALCOA
ALUCOBOND BY 3M
ALPOLIC BY MITSUBISHI
INTRABOND BY INTRABOND
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS.
9. ALL FASTENERS TO BE CORROSION RESISTANT.
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
A. METAL STRUCTURE: STEEL 16GA, FY:50KSI GALVANIZED
B. CONCRETE: 3000 psi
C. CMU: ASTM C-90
11. FASTENERS INSTALLED INTO METAL STUDS SHALL BE OF SUFFICIENT LENGTH TO FULLY PENTRATE THE METAL, PLUS THREE ADDITIONAL THREADS. FOR CONCRETE OR CMU, MIN. EMBEDMENTS LISTED DO NOT INCLUDE WOOD BUCKS, WALL DRESSINGS, OR STUCCO.



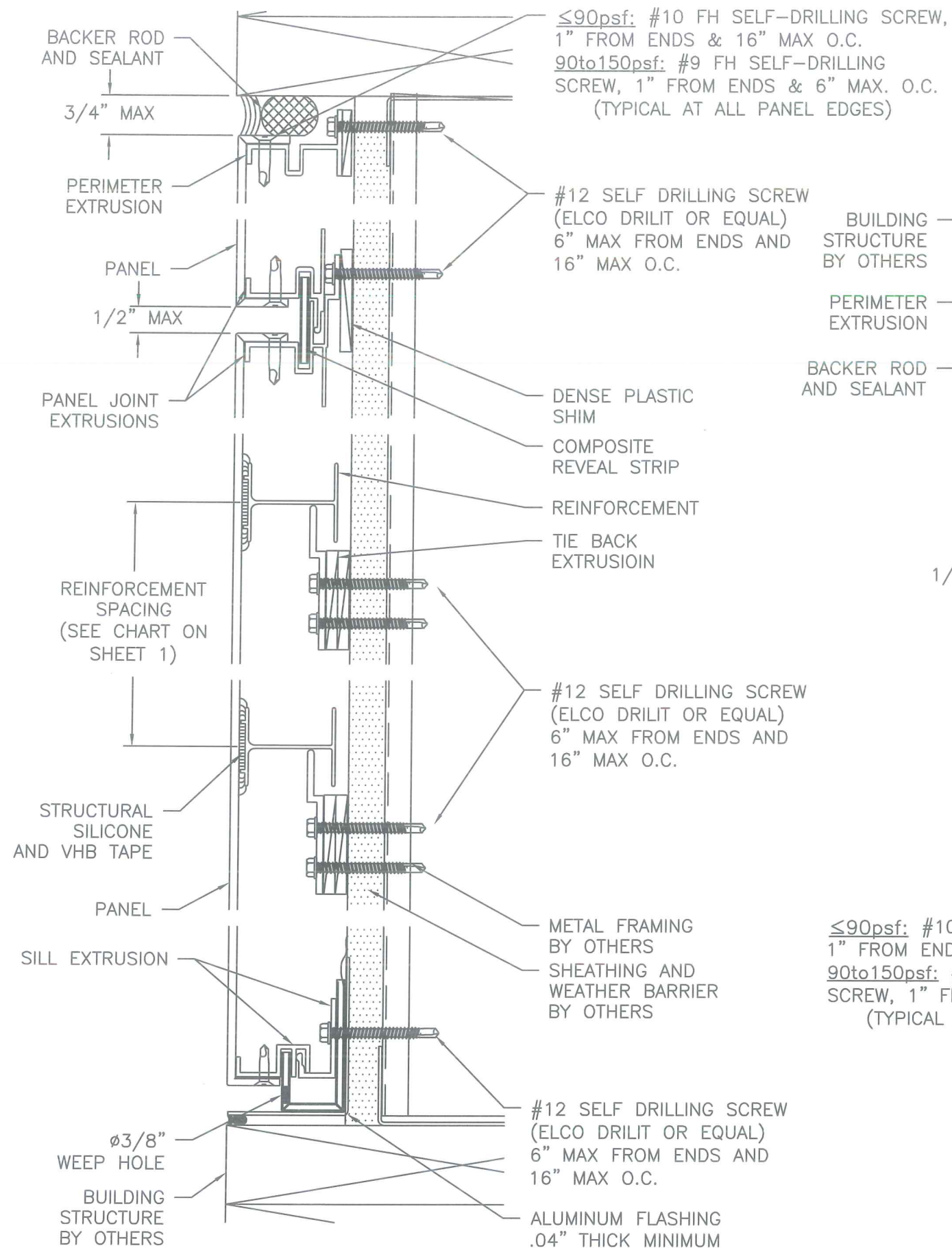
**ELEVATION VIEW
(FROM EXTERIOR)**

DESIGN PRESSURE RATING	
REINFORCING SPACING (in)	DESIGN PRESSURE (psf)*
16	+/-150
18	+/-135
20	+/-120
22	+/-105
24	+/-90

* POSITIVE PRESSURE IS LIMITED TO 90 PSF WHERE RESISTANCE TO WATER INFILTRATION IS REQUIRED.

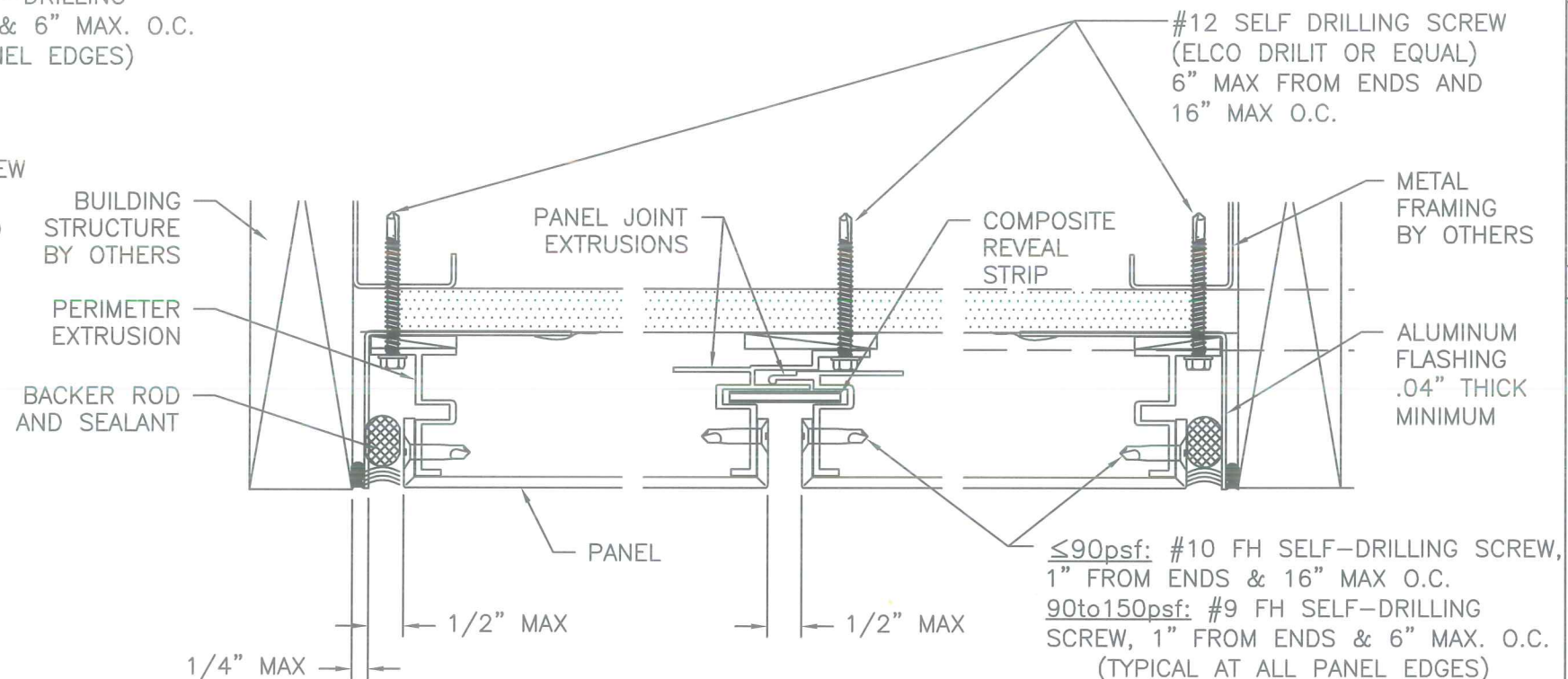
ANCHOR SCHEDULE			
BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
METAL STUD (16 Ga, 50 ksi min)	#12 SELF-DRILLING SCREW (ELCO DRILIT OR EQUAL)	FULL (SEE NOTE #11)	1/2"
CONCRETE (3000 psi min.)	1/4" ITW TAPCON OR 1/4" DIA. ELCO ULTRA CON	1 3/4" 1 3/4"	2 1/2" 2 1/2"
CMU (ASTM C90 min)	1/4" ITW TAPCON OR 1/4" DIA. ELCO ULTRA CON	2 1/4" 2 1/4"	2 1/2" 2 1/2"

REV-DATE	REVISION-DESCRIPTION	 KISTLER McDOUGALL CORP. 310 CREEKSTONE RIDGE, WOODSTOCK, GA 30188 PHONE: (770) 928-3830 FAX: (770) 928-7988
PROJECT NAME	400 SERIES COMPOSITE METAL PANEL SYSTEM	
SEAL:	NON-IMPACT, OUTSIDE OF HVHZ	
DATE:	2/14/18	
DWG#:	KM400-NI	
SHEET:	1 OF 3	



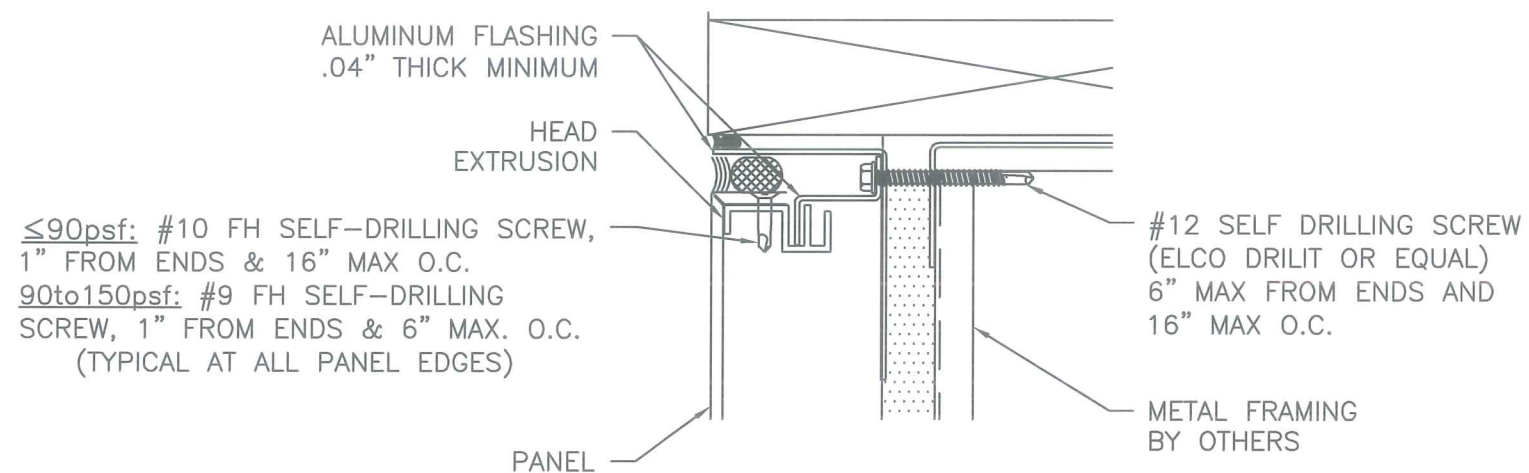
A
2

VERTICAL SECTION
INSTALLATION DETAILS



B
2

HORIZONTAL SECTION
INSTALLATION DETAILS



C
2

VERTICAL SECTION
INSTALLATION DETAILS

SUBSTRATE NOTE - THE DETAILS ON THIS SHEET ARE FOR INSTALLATIONS ANCHORING TO METAL STUDS. CONCRETE OR CMU DETAILS ARE SIMILAR, WITH FASTENERS PER THE ANCHOR CHART ON SHEET 1.

REV	DATE	REVISION-DESCRIPTION

KISTLER McDOUGALL CORP.
310 CREEKSTONE RIDGE, WOODSTOCK, GA 30188
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400 SERIES COMPOSITE METAL PANEL SYSTEM

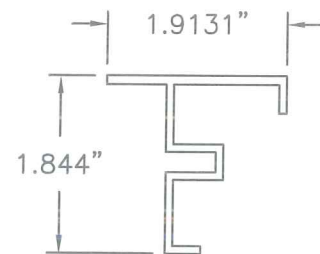
PROJECT NAME: 400 SERIES COMPOSITE METAL PANEL SYSTEM

NON-IMPACT, OUTSIDE OF HVHZ

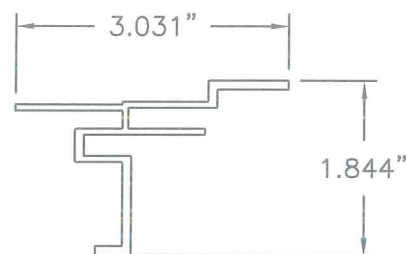
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH: (561) 225-1982

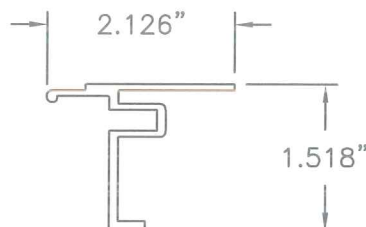
DATE: 2/14/18
DWG#: KM400-NI
SHEET: 2 OF 3



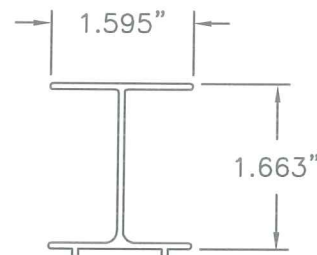
PERIMETER EXTRUSION
ALUMINUM 6063-T5 .09" THICK



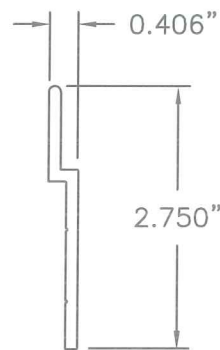
PANEL JOINT EXTRUSION
ALUMINUM 6063-T5 .09" THICK



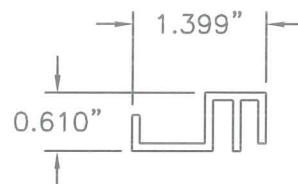
PANEL JOINT EXTRUSION
ALUMINUM 6063-T5 .09" THICK



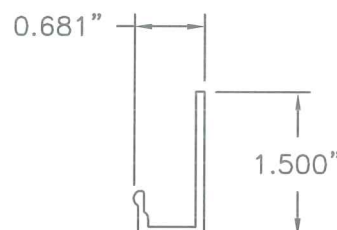
REINFORCEMENT
ALUMINUM 6063-T5 .08" THICK



TIE BACK EXTRUSION
ALUMINUM 6063-T5 .125" THICK



HEAD/SILL EXTRUSION
ALUMINUM 6063-T5 .080" THICK



SILL EXTRUSION
ALUMINUM 6063-T5 .09" THICK

REV.-DATE	REVISION-DESCRIPTION

KISTLER

MCDUGALL

CORP.

310 CREEKSTONE RIDGE, WOODSTOCK, GA 30188
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PROJECT NAME:
**400 SERIES COMPOSITE
METAL PANEL SYSTEM**

NON-IMPACT, OUTSIDE OF HVHZ

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SEAL:

DATE: 2/14/18
DWG#: **KM400-NI**
SHEET: 3 OF 3