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MAIBEC®

ARCHITECTURAL ALUMINUM PANEL

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E 330-14(21)
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X MEMBERS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. EXTERIOR WALLS RECEIVING FACADE SYSTEM SHALL BE CONSTRUCTED WITH A WATER-RESISTIVE BARRIER COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE AS STATED IN SECTION 1404.2.
6. ALUMINUM PANELS MEET THE REQUIREMENTS OF THE CURRENT FBC. APPLICATION OF ALUMINUM PANELS SHALL MEET REQUIREMENTS OF THE CURRENT FBC.
7. ALUMINUM PANEL SPECIFICATIONS:
 - ALUMINUM PANEL MATERIAL: 5052-H32
 - ALUMINUM THICKNESS: 1/8"
 - PANEL MAX. WIDTH: 56.00"
 - PANEL MAX. HEIGHT: 116.00"
8. ALUMINUM ANGLE SPECIFICATIONS:
 - ALUMINUM ANGLE MATERIAL: 6063-T5
 - ALUMINUM THICKNESS: 1/8"
9. INSTALLATION OF PANEL ACCESSORIES SUCH AS CORNERS, STARTER STRIPS, TRIMS AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH CURRENT FBC AND MANUFACTURER'S INSTRUCTIONS.

INSTALLATION NOTES:

1. SEE SHEET 2 & 3 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.
2. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, SHEATHING AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

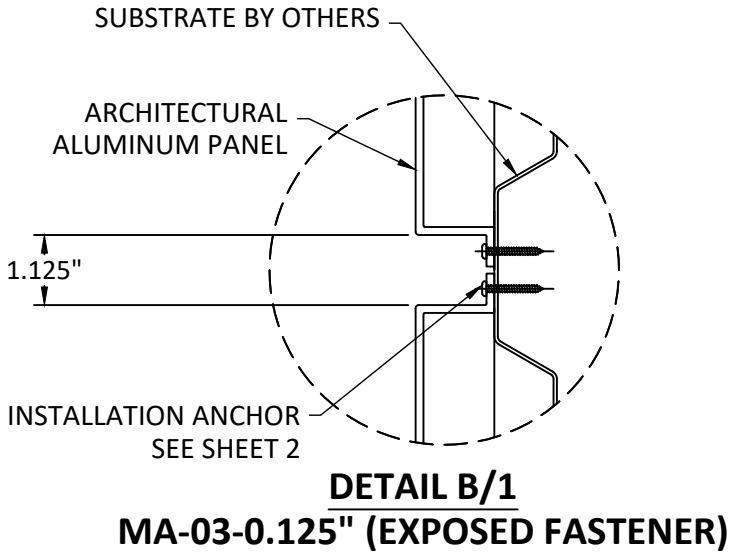
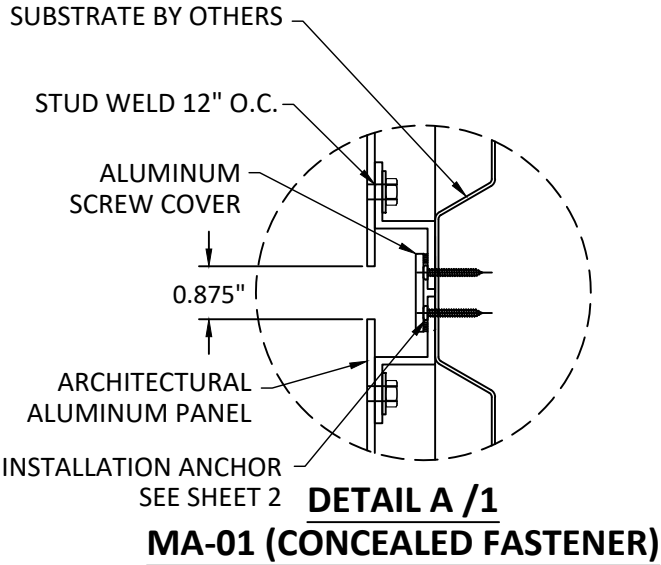


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4	MA-01 HORIZONTAL & VERTICAL SECTIONS
5	MA-03-0.125" HORIZONTAL & VERTICAL SECTIONS



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TITLE:
ARCHITECTURAL ALUMINUM PANEL
GENERAL NOTES, INSTALLATION NOTES,
CONCEALED FASTENER DETAIL &
EXPOSED FASTENER DETAIL

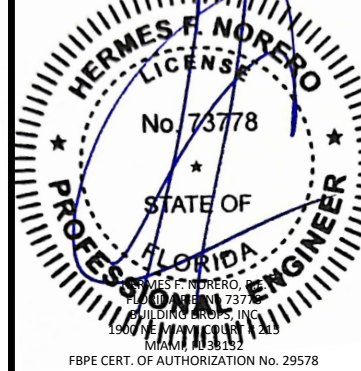
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REMARKS	BY	DATE

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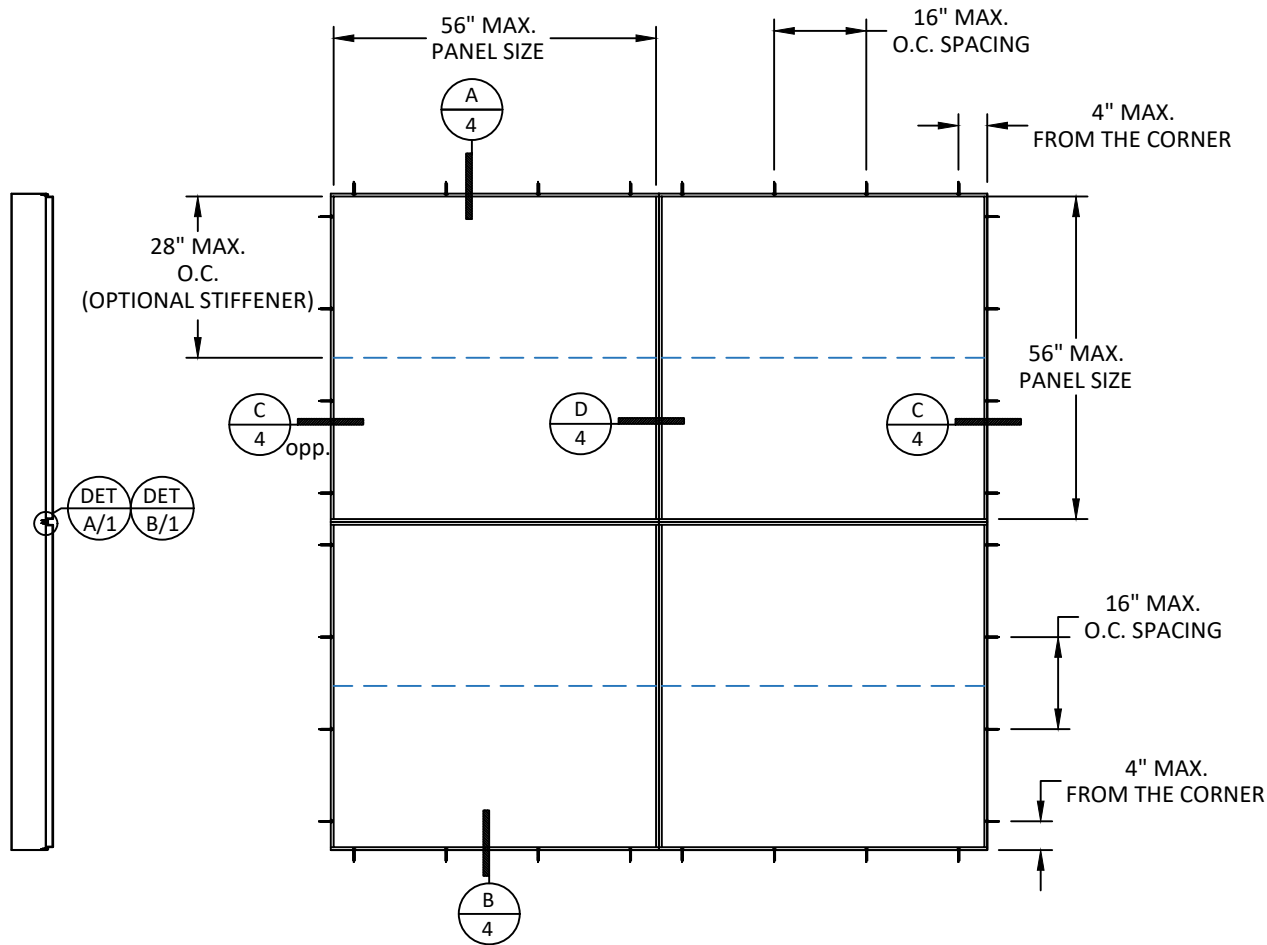
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SCALE: **NTS**

DWG. #: **DZL003**

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NOTE:
*STIFFENERS ARE OPTIONAL

ALUMINUM PANEL SYSTEM ANCHOR TYPES					
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING	NOTES
3/16" Ø ULTRACON+ BY DEWALT (Fu=155 KSI, Fy=177 KSI)	CONCRETE F'C=3000 PSI MIN.	1.375"	1.00"	3.00"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
	C-90 HOLLOW/FILLED BLOCK F'M=2000 PSI MIN.	1.25"	2.00"	3.00"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
#8 PAN HEAD WOOD SCREWS	MIN. S.G.= 0.55 WOOD	2.00"	0.50"	0.50"	--
#8-32 PAN HEAD SELF-DRILLING OR SELF-TAPPING SCREWS (GRADE 5)	STEEL: 16 GA. MIN., Fy=33 KSI MIN. ALUMINUM: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	0.50"	0.50"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED

DESIGN PRESSURE TABLE			
PANEL TYPE	STIFFENER O.C. SPACING (IN.)	DEFLECTION (IN.)	DESIGN PRESSURE (PSF)
MA-01 (CONCEALED FASTENER)	-	0.363"	+/- 19.5 PSF
		0.567"	+/- 39.1 PSF
		0.859"	+/- 78.3 PSF
	28" MAX.	0.292"	+/- 19.5 PSF
		0.457"	+/- 39.1 PSF
		0.693"	+/- 78.3 PSF
MA-03-0.125" (EXPOSED FASTENER)	-	0.402"	+/- 19.5 PSF
		0.571"	+/- 39.1 PSF
		0.835"	+/- 78.3 PSF
	28" MAX.	0.213"	+/- 19.5 PSF
		0.390"	+/- 39.1 PSF
		0.666"	+/- 78.3 PSF



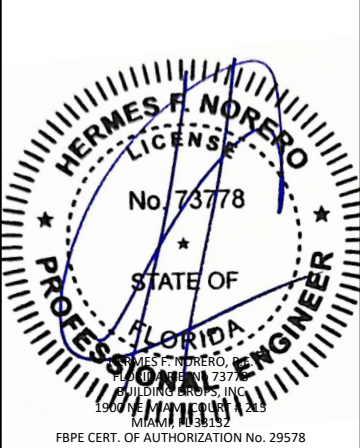
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ARCHITECTURAL ALUMINUM PANEL
ELEVATIONS, DP TABLE, ANCHOR DETAILS &
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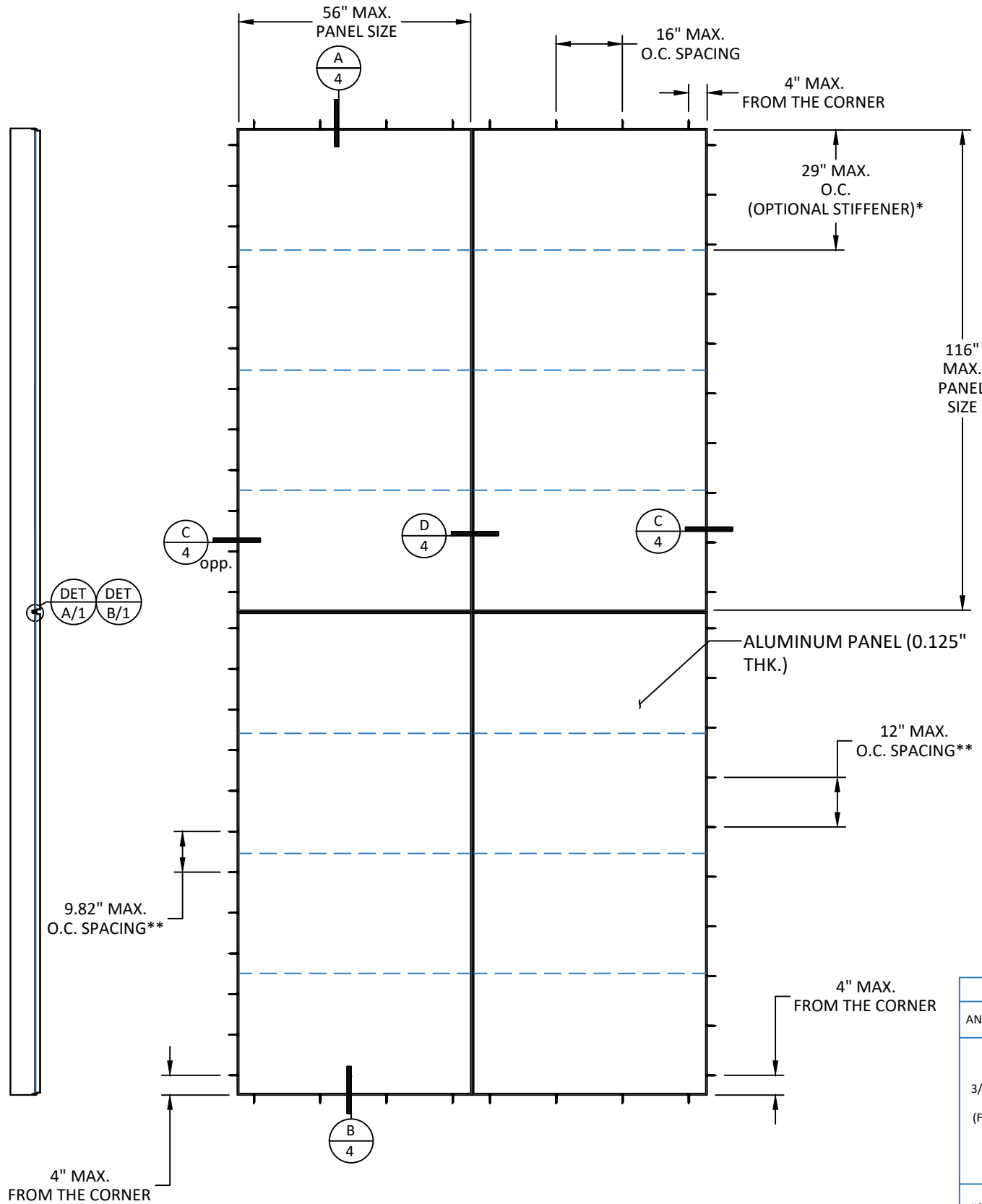
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DESIGN PRESSURE TABLE			
PANEL TYPE	STIFFENER O.C. SPACING (IN.)	DEFLECTION (IN.)	DESIGN PRESSURE (PSF)
MA-01 (CONCEALED FASTENER)	-	0.406"	+/- 7.83 PSF
		0.654"	+/- 15.66 PSF
		1.163"	+/- 41.76 PSF
	29" MAX.	0.095"	+/- 7.83 PSF
		0.162"	+/- 15.66 PSF
		0.654"	+/- 62.65 PSF
		0.785"	+/- 73.09 PSF
MA-03-0.125" (EXPOSED FASTENER)	-	0.414"	+/- 7.83 PSF
		0.611"	+/- 15.66 PSF
		1.433"	+/- 62.65 PSF
		1.560"	+/- 73.09 PSF
	29" MAX.	0.083"	+/- 7.83 PSF
		0.166"	+/- 15.66 PSF
		0.662"	+/- 62.65 PSF
		0.804"	+/- 73.09 PSF

NOTE:
*STIFFENERS ARE OPTIONAL
**12" MAX. O.C. SPACING IS LIMITED TO A MAX PRESSURE OF 62.65 PSF, WHEN EITHER PANEL DIMENSION IS GREATER THAN 56".
9.82" MAX. O.C. SPACING IS LIMITED TO THE MAX PRESSURE OF 73.09 PSF.

ALUMINUM PANEL SYSTEM ANCHOR TYPES					
ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING	NOTES
3/16" Ø ULTRACON+ BY DEWALT (Fu=155 KSI, Fy=177 KSI)	CONCRETE F'C=3000 PSI MIN.	1.375"	1.00"	3.00"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
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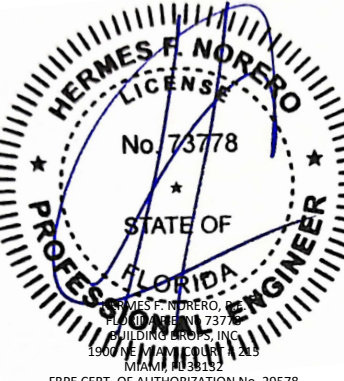
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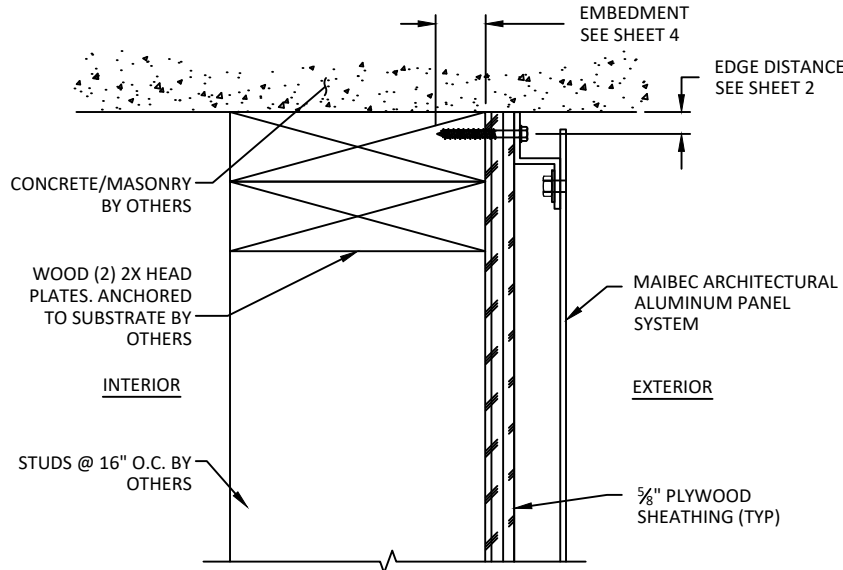
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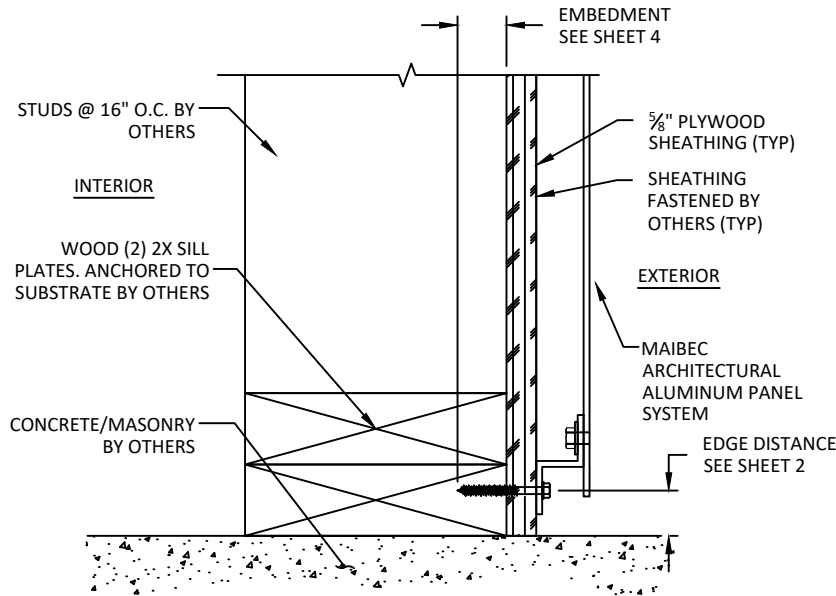
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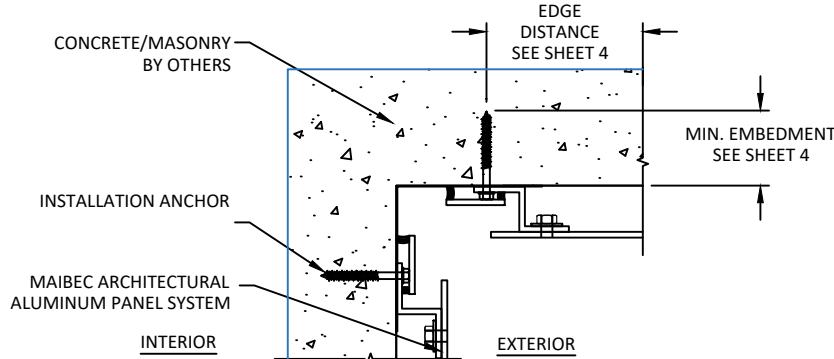
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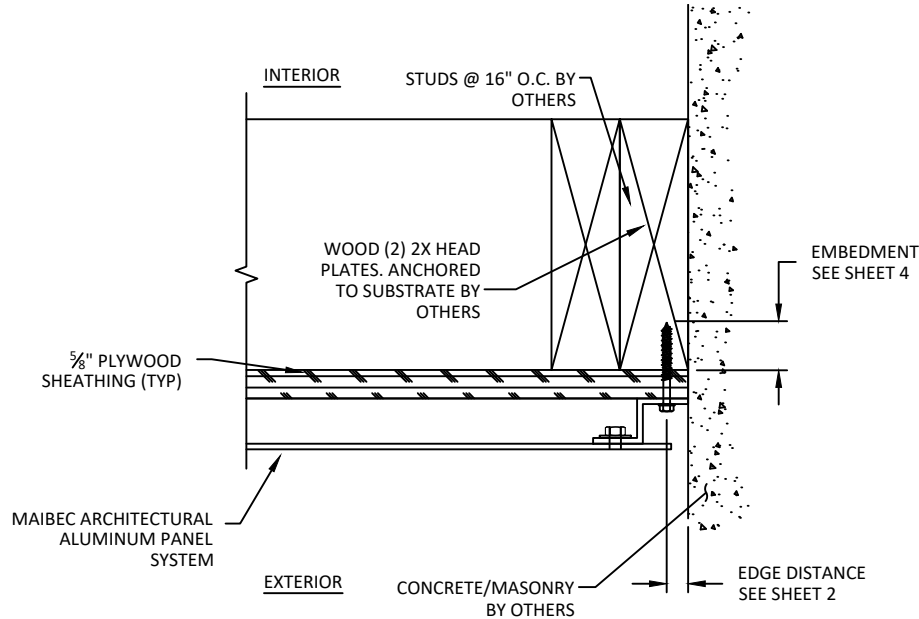
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SEE ANCHOR TABLE FOR DIFFERENT SUBSTRATES



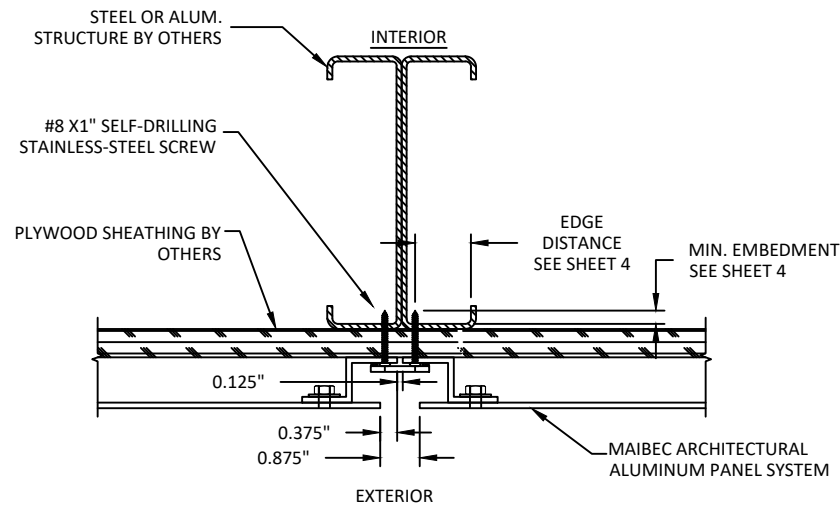
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4 SILL DETAIL
SEE ANCHOR TABLE FOR DIFFERENT SUBSTRATES



E
4 INSIDE CORNER DETAIL
SEE ANCHOR TABLE FOR DIFFERENT SUBSTRATES



C
4 JAMB DETAIL
SEE ANCHOR TABLE FOR DIFFERENT SUBSTRATES



D
4 SPLICE DETAIL
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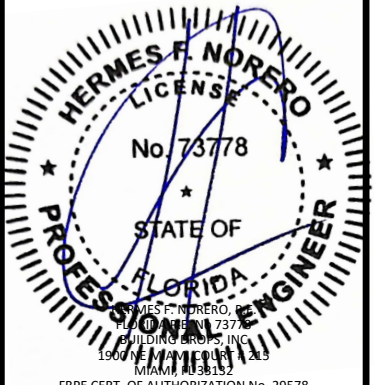
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ARCHITECTURAL ALUMINUM PANEL
MA-01 HORIZONTAL &
VERTICAL SECTIONS

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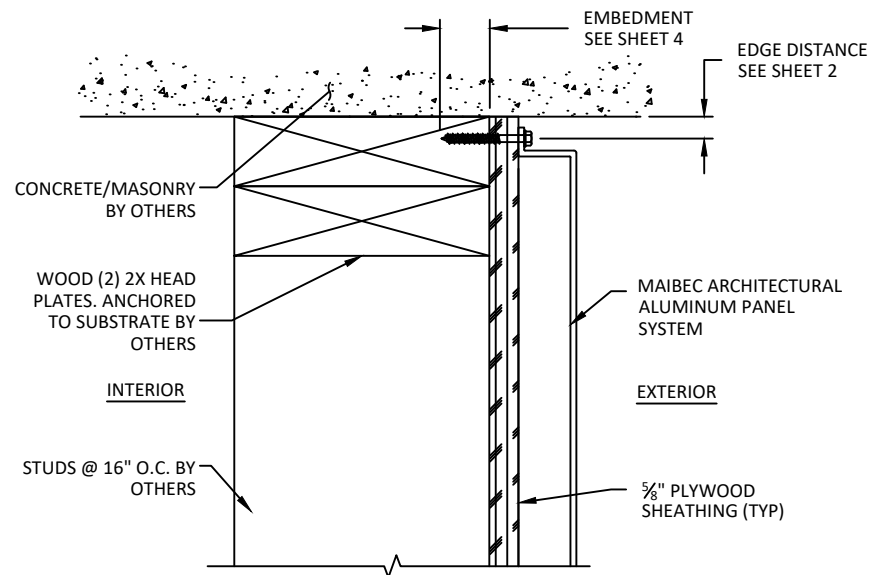
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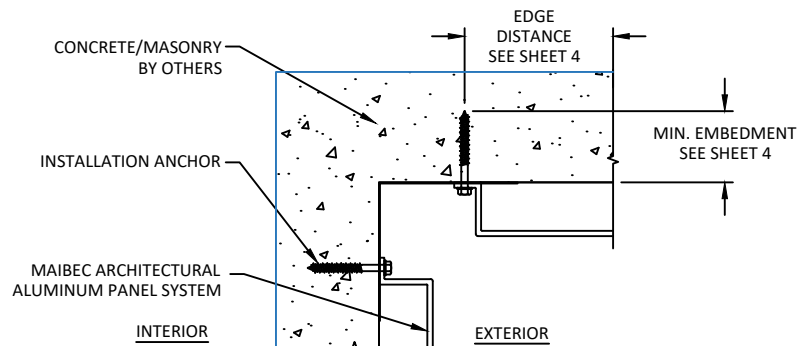
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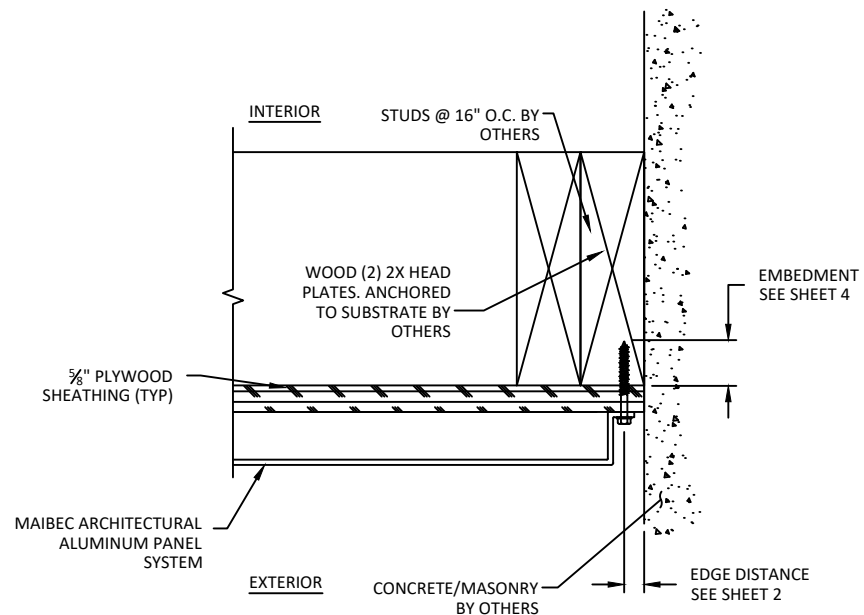
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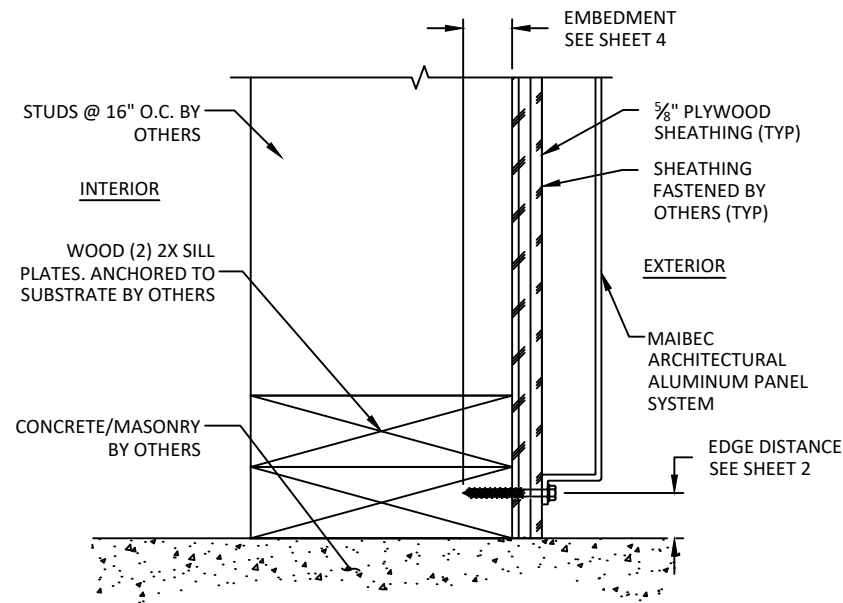
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5 **HEAD DETAIL**
SEE ANCHOR TABLE FOR DIFFERENT SUBSTRATES



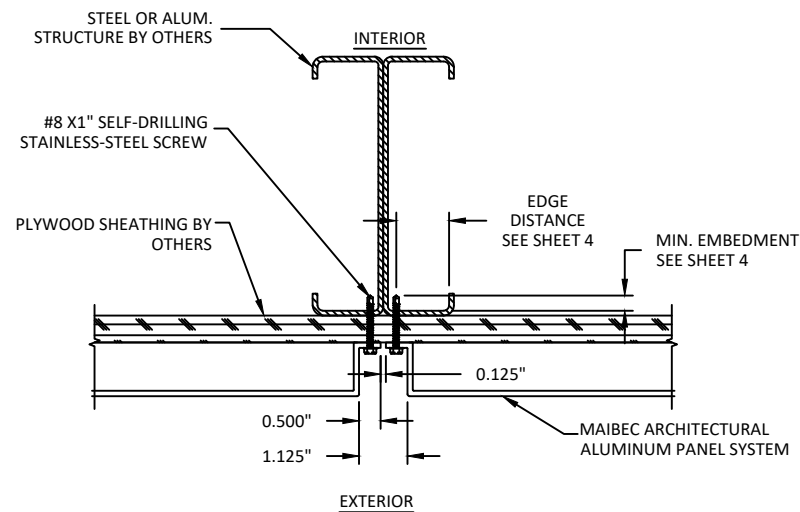
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5 **JAMB DETAIL**
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D
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MA-03-0.125" HORIZONTAL &
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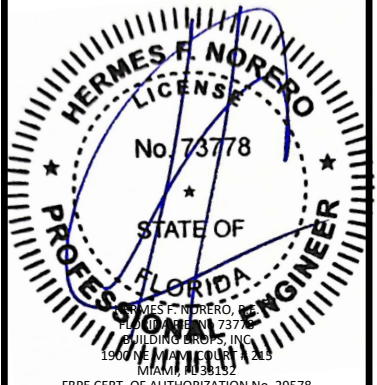
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