

BRANCH TECHNOLOGY

BRANCHCLAD FACADE PANEL

RAINSCREEN (HVHZ)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 202-94
 - TAS 203-94
- 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.
- 1X AND 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.
- 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.
- PLASTIC SIDING MEETS THE REQUIREMENTS OF THE CURRENT FBC. APPLICATION OF SIDING SHALL MEET REQUIREMENTS OF THE CURRENT FBC.
- INSTALLATION OF SIDING ACCESSORIES SUCH AS TRIM COMPONENTS SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE MANUFACTURER'S INSTRUCTIONS.
- QUALIFIED FINISHES:
 - SYNTHETIC STUCCO FINISH

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, SHEATHING AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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 BY THE ANCHOR MANUFACTURER.
- PRODUCT SHALL BE INSTALLED IN FRONT OF CONSTRUCTION THAT COMPLIES WITH SECTION 1626.4 OF THE FLORIDA BUILDING CODE.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

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DESIGN PRESSURE TABLE - BRANCHCLAD FACADE PANEL RAINSCREEN				
BACKER BOARD	MAX. PANEL WIDTH (IN)	MAX. PANEL HEIGHT (IN)	ALLOWABLE DESIGN PRESSURE (PSF)	
COOSA NAUTICAL 15 BOARD	60	120	+120	-120
STO VENTEC CARRIER BOARD	48	96	+120	-120



1530 RIVERSIDE DRIVE SUITE B
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PH: (865) 272-2944

TITLE:
BRANCHCLAD FACADE PANEL
RAINSCREEN (HVHZ)

GENERAL NOTES, INSTALLATION NOTES &
DESIGN PRESSURE TABLE

PREPARED BY:

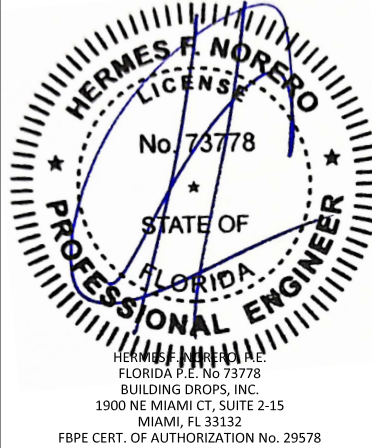
BUILDING DROPS

BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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Reason: I am approving this document
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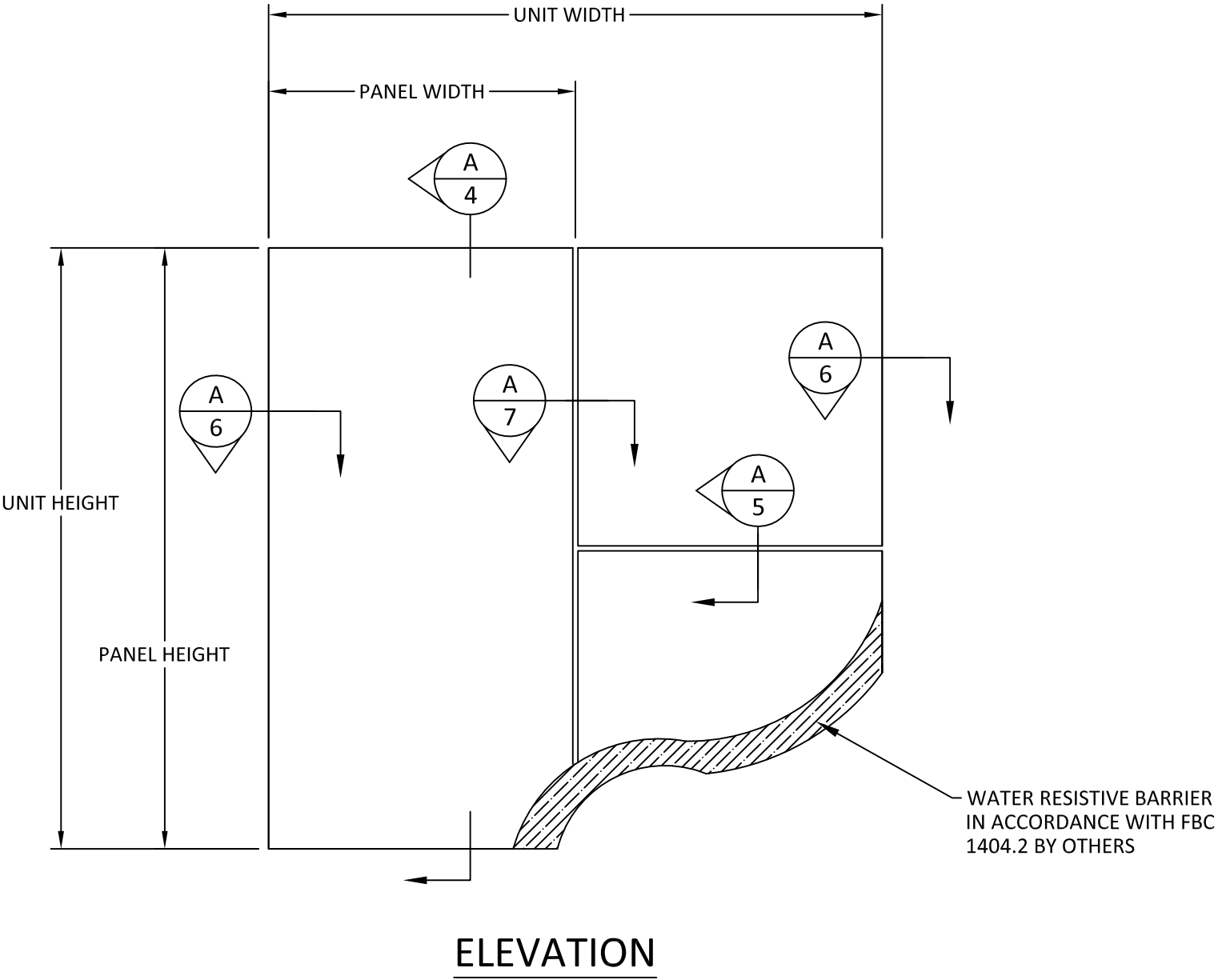
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SHEET:
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ELEVATION

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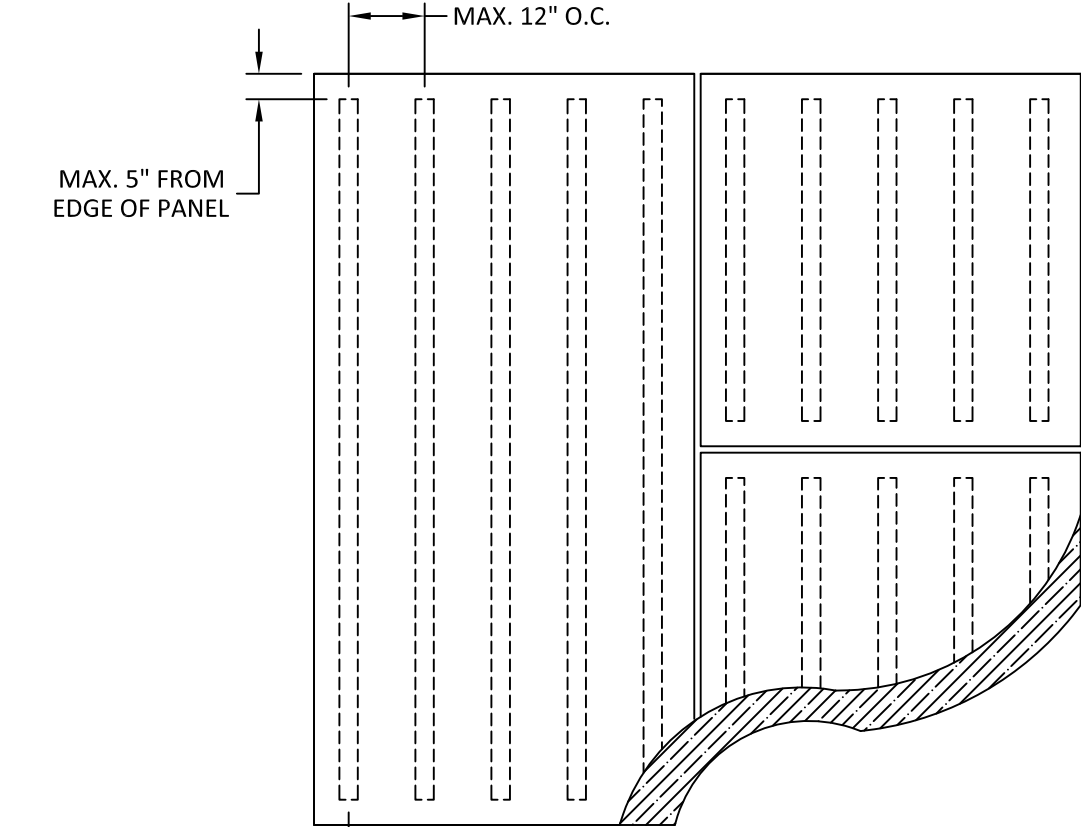
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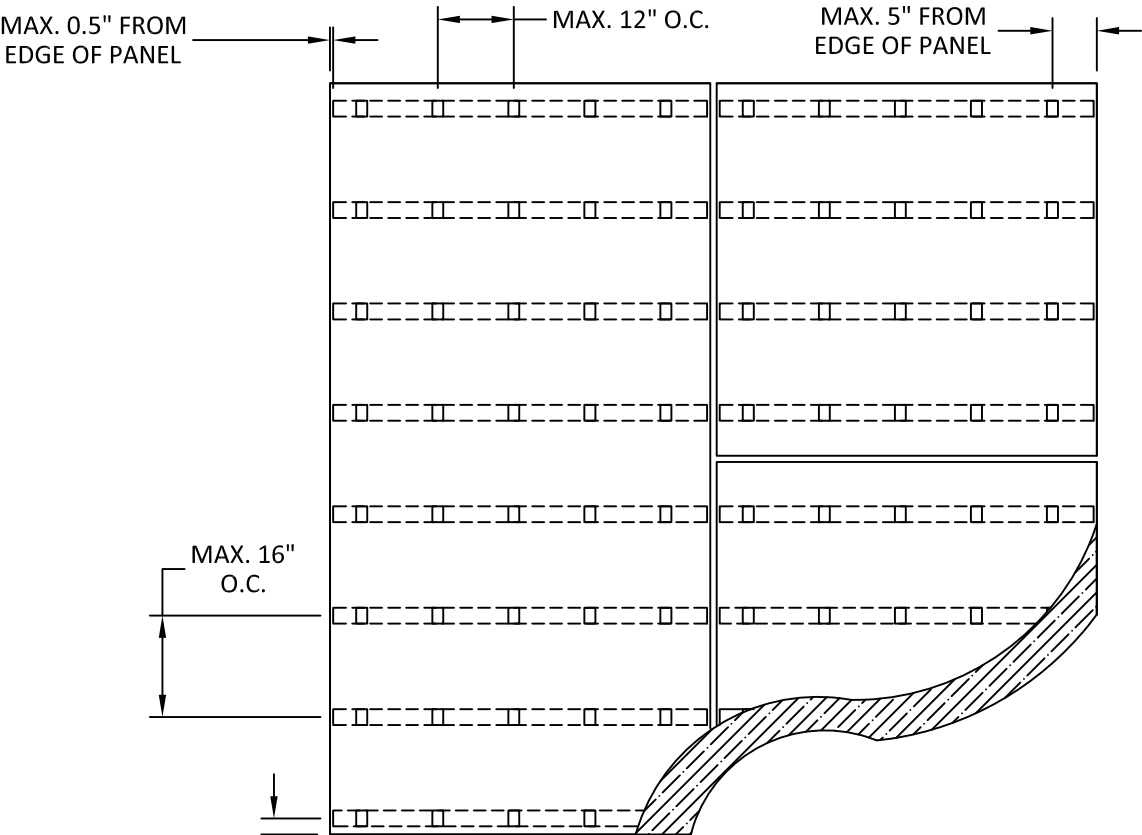
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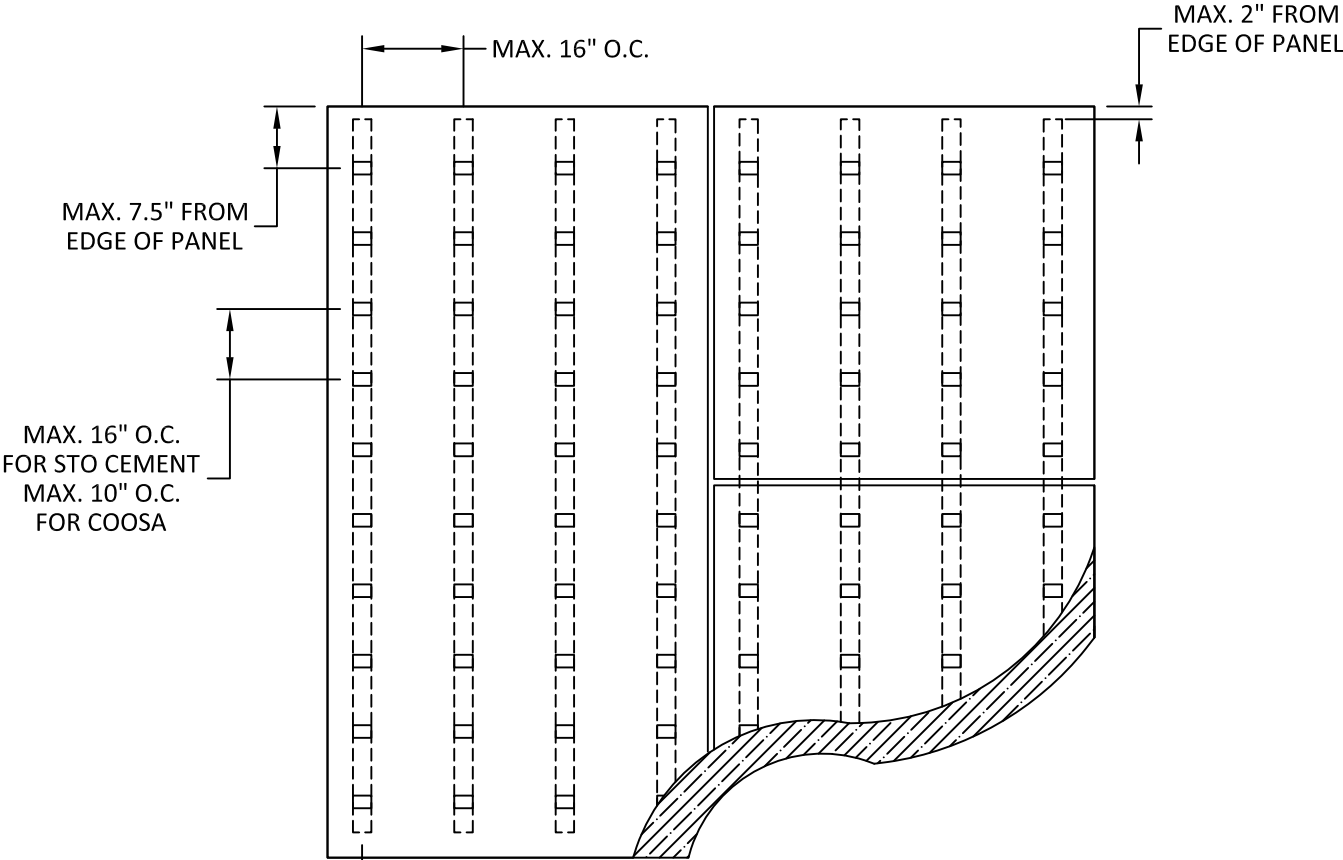
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INTERNAL C-CHANNEL LAYOUT



HORIZONTAL RAIL AND ALUMINUM HANGER CLIP LAYOUT



L PROFILE AND NV3 WALL BRACKET LAYOUT



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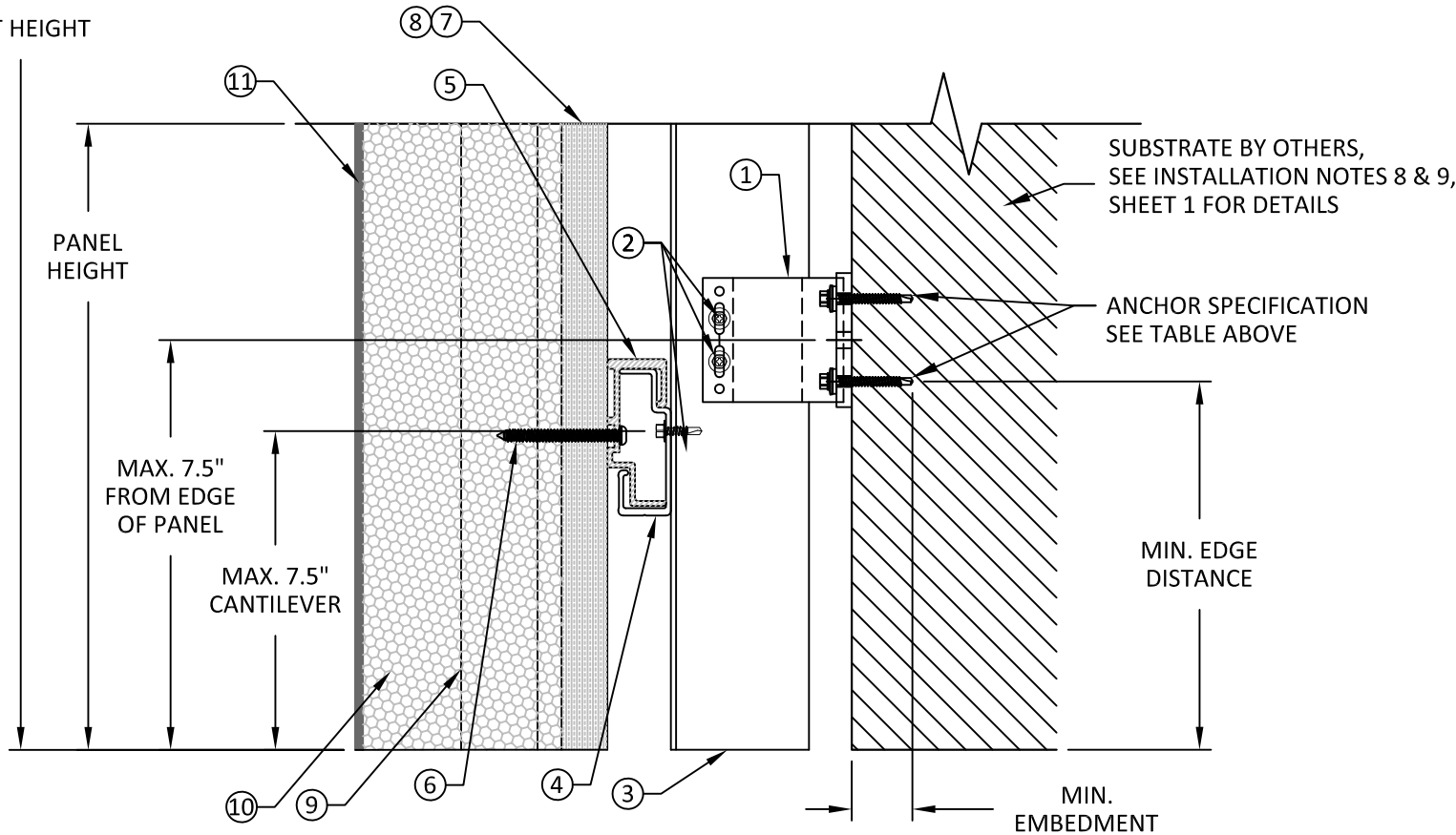
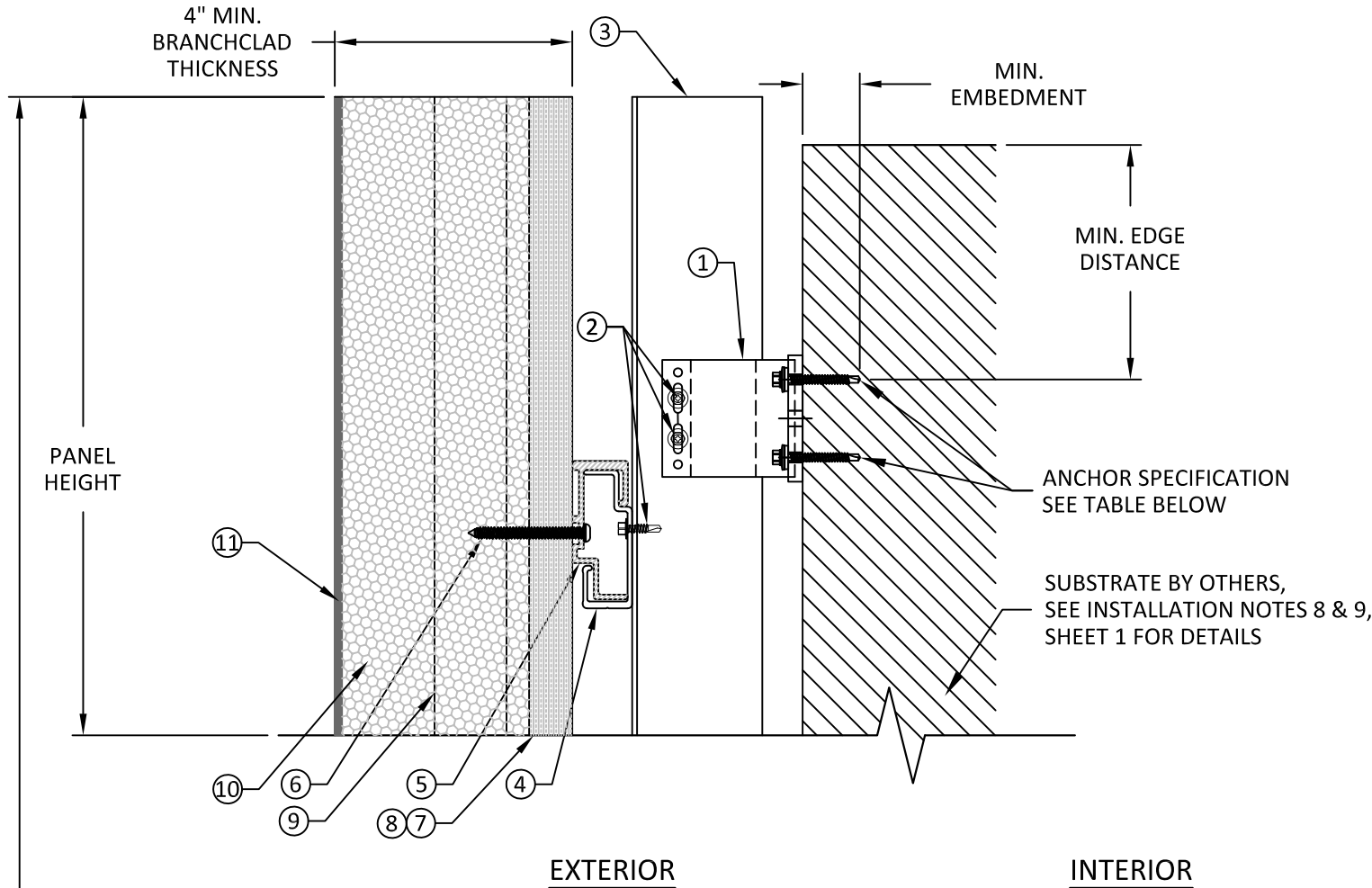
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A
4 VERTICAL SECTION

SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#10 WOOD PAN HEAD SCREW	1.50"	0.50"
STEEL: MIN. 18 GA., MIN. Fy=36 KSI	#10 SELF-DRILLING OR SELF-TAPPING PAN HEAD SCREW	3 THREADS PENETRATION PAST METAL STRUCTURE	0.75"
ALUM.: MIN. 1/8", MIN. 6063-T5			
CONCRETE: MIN. F'C = 3000 PSI	3/16" HEX HEAD ITW TAPCON	1"	1.875"
HOLLOW / GROUT-FILLED BLOCK PER C-90: MIN. F'C = 2000 PSI		1"	4"



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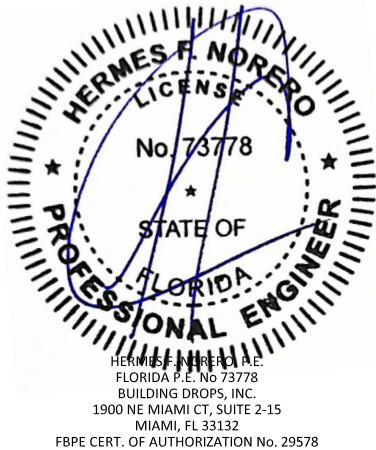
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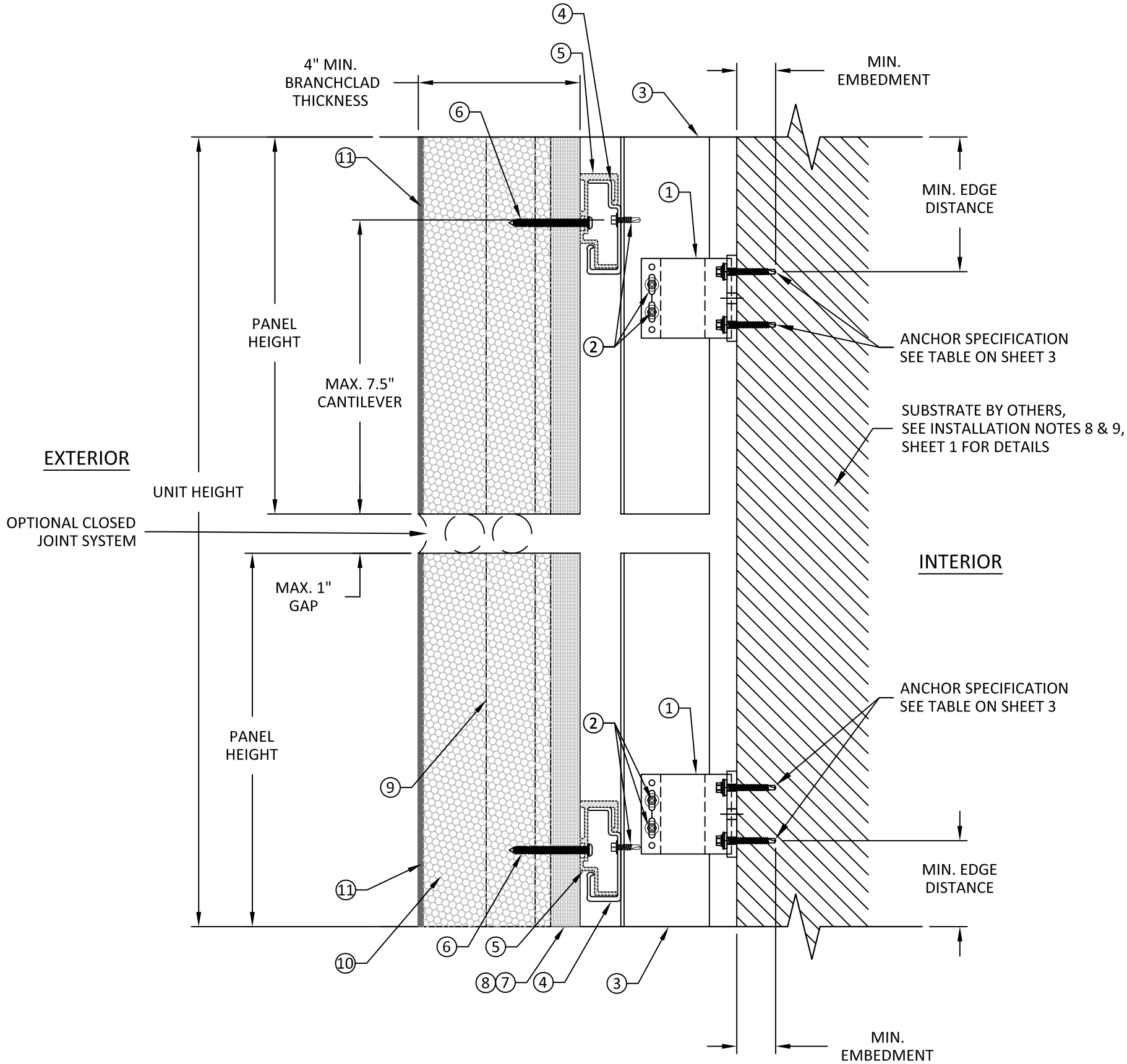
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A
5 VERTICAL SECTION



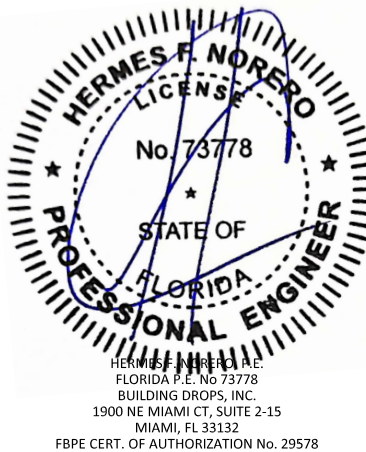
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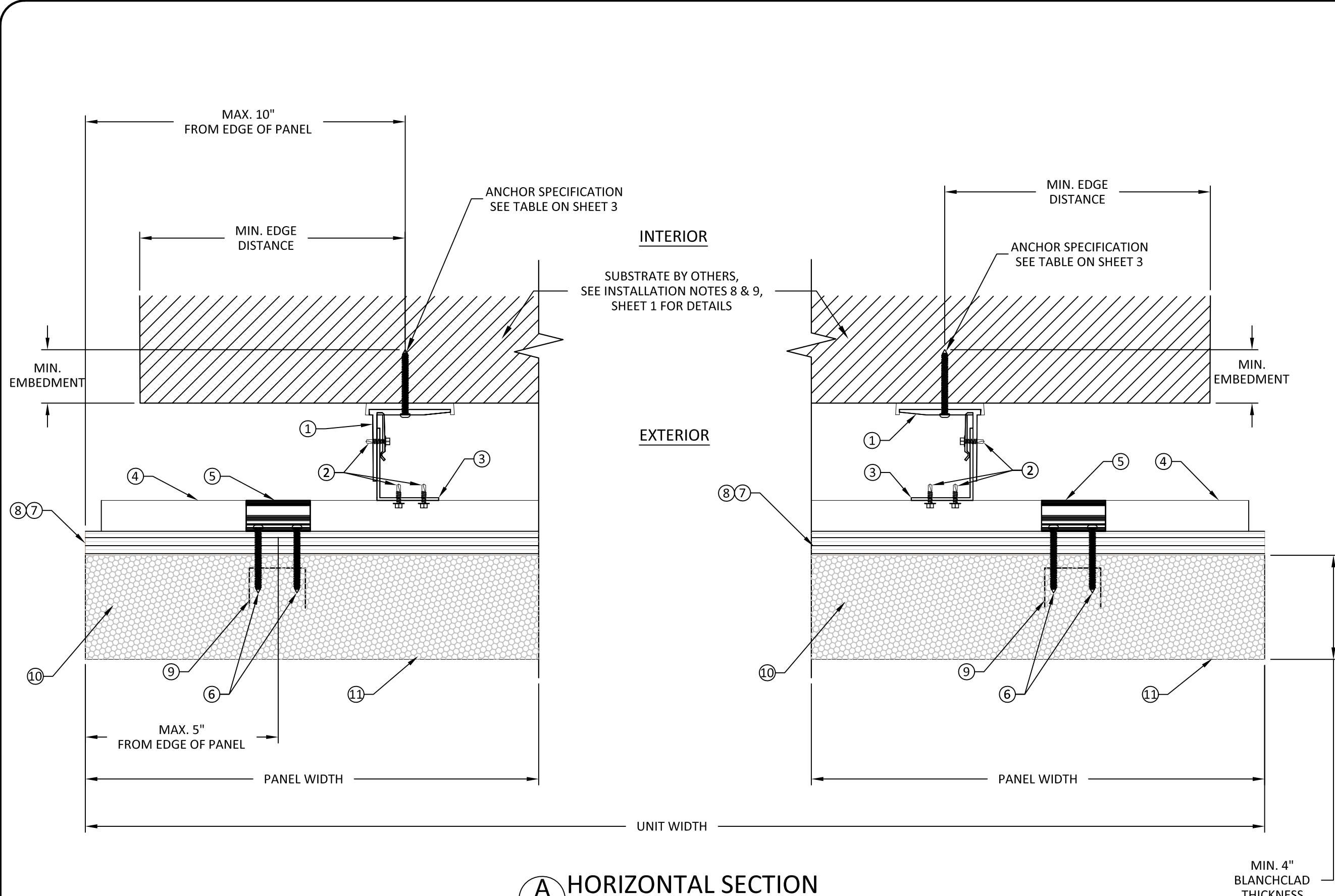
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A
6 HORIZONTAL SECTION



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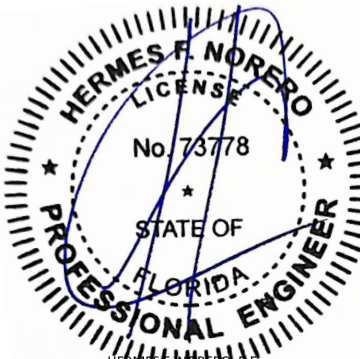
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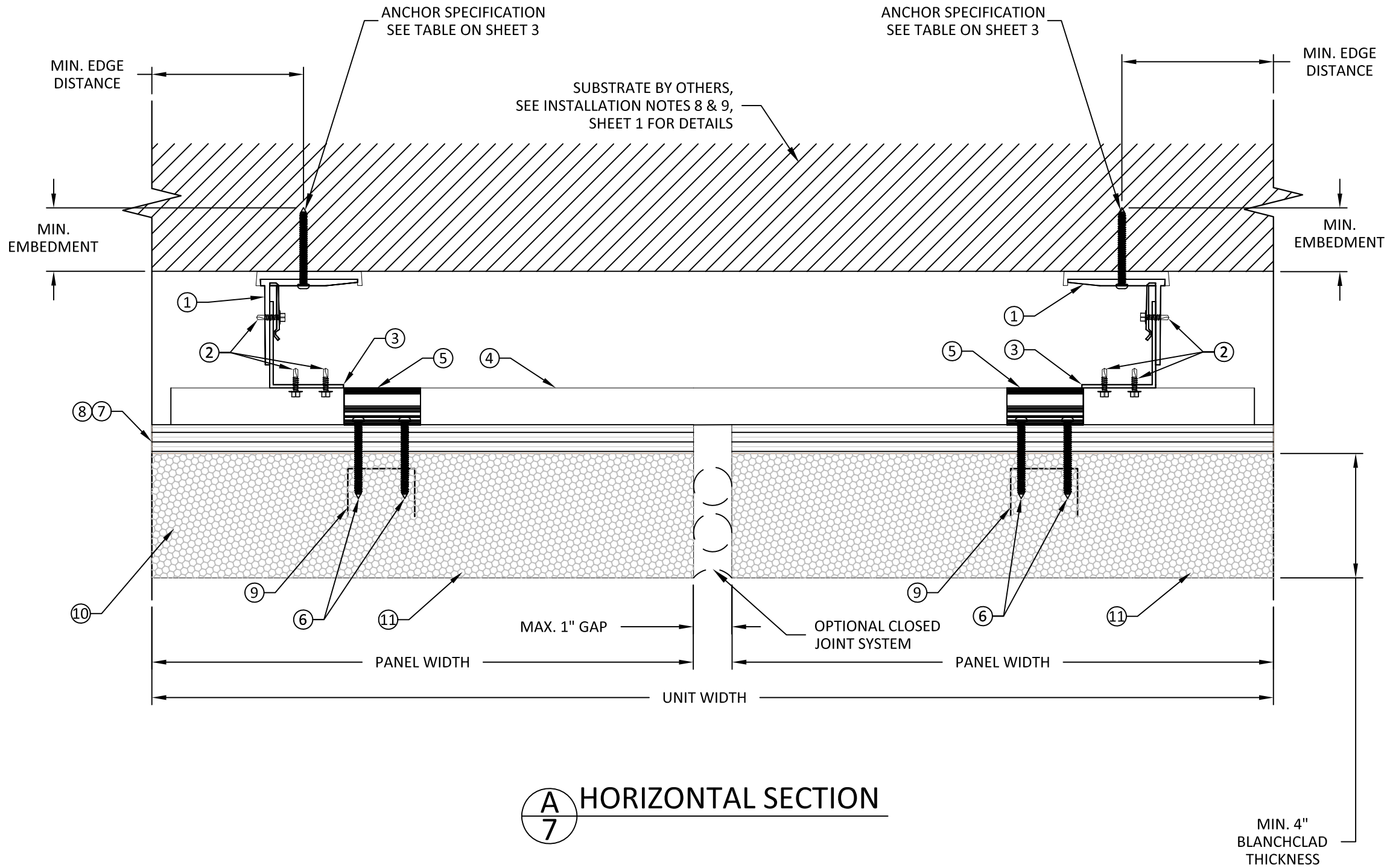
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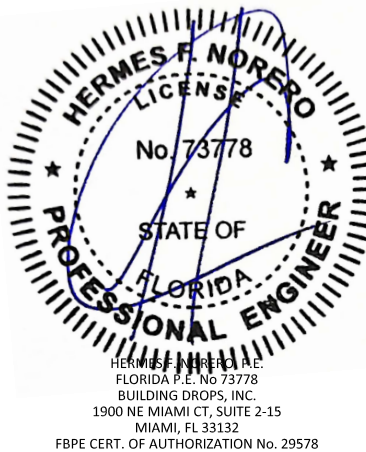
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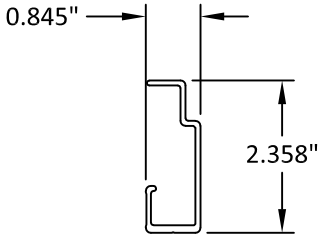
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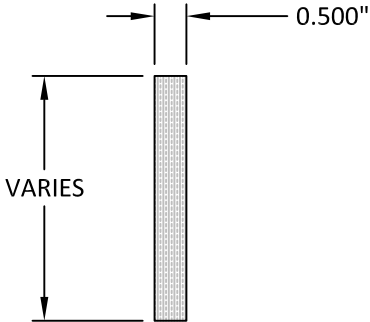


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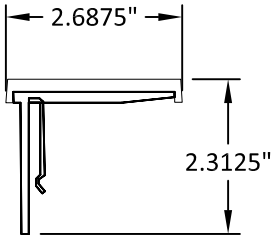
BILL OF MATERIALS		
PART NO.	DESCRIPTION	MATERIAL
1	NV3 ALUMINUM WALL BRACKET	ALUMINUM 6063-T5
2	SFS A5X22 MECHANICAL FASTENER	-
3	VERTICAL L PROFILE	ALUMINUM 6063-T5
4	HORIZONTAL ALUMINUM RAIL PROFILE	ALUMINUM 6063-T5
5	ALUMINUM HANGER CLIP	ALUMINUM 6063-T5
6	#14 GALVANIZED SDS FASTENER	-
7	COOSA NAUTICAL BACKER BOARD	-
8	STO VENTEC BACKER BOARD	-
9	16 GA INTERNAL C-CHANNEL	STEEL
10	BRANCH COMPOSITE CORE	COMPOSITE
11	SYNTHETIC STUCCO FINISH	-



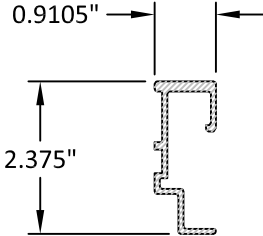
④ HORIZONTAL ALUMINUM RAIL PROFILE



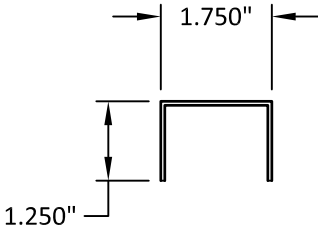
⑧ STO VENTEC BACKER BOARD



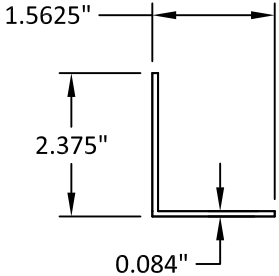
① NV3 ALUMINUM WALL BRACKET



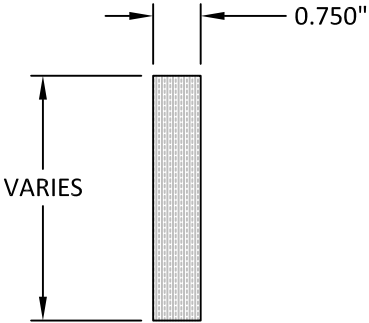
⑤ ALUMINUM HANGER CLIP



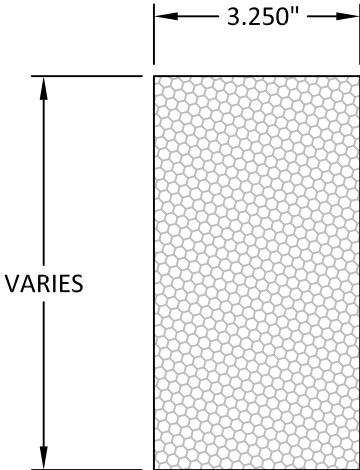
⑨ 16 GA INTERNAL C CHANNEL



③ VERTICAL ALUMINUM L PROFILE



⑦ COOSA NAUTICAL BACKER BOARD



⑩ BRANCH COMPOSITE CORE



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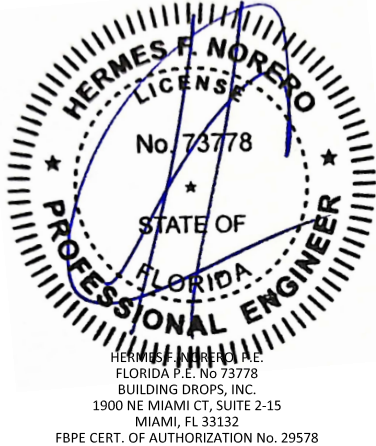
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