

BRANCH TECHNOLOGY

BRANCHCLAD FACADE PANEL

DIRECT ATTACHMENT (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.
- QUALIFIED FINISHES:
 - 5.1. SYNTHETIC STUCCO FINISH

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS 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.
- 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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7	BILL OF MATERIALS AND COMPONENTS

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
CHATTANOOGA, TENNESSE 37406
PH: (865) 272-2944

TITLE:
BRANCHCLAD FACADE PANEL
DIRECT ATTACHMENT (HVHZ)

GENERAL NOTES, INSTALLATION NOTES &
DESIGN PRESSURE TABLE

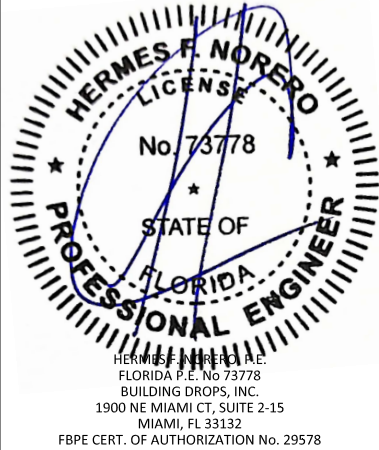
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Reason: I am approving this document
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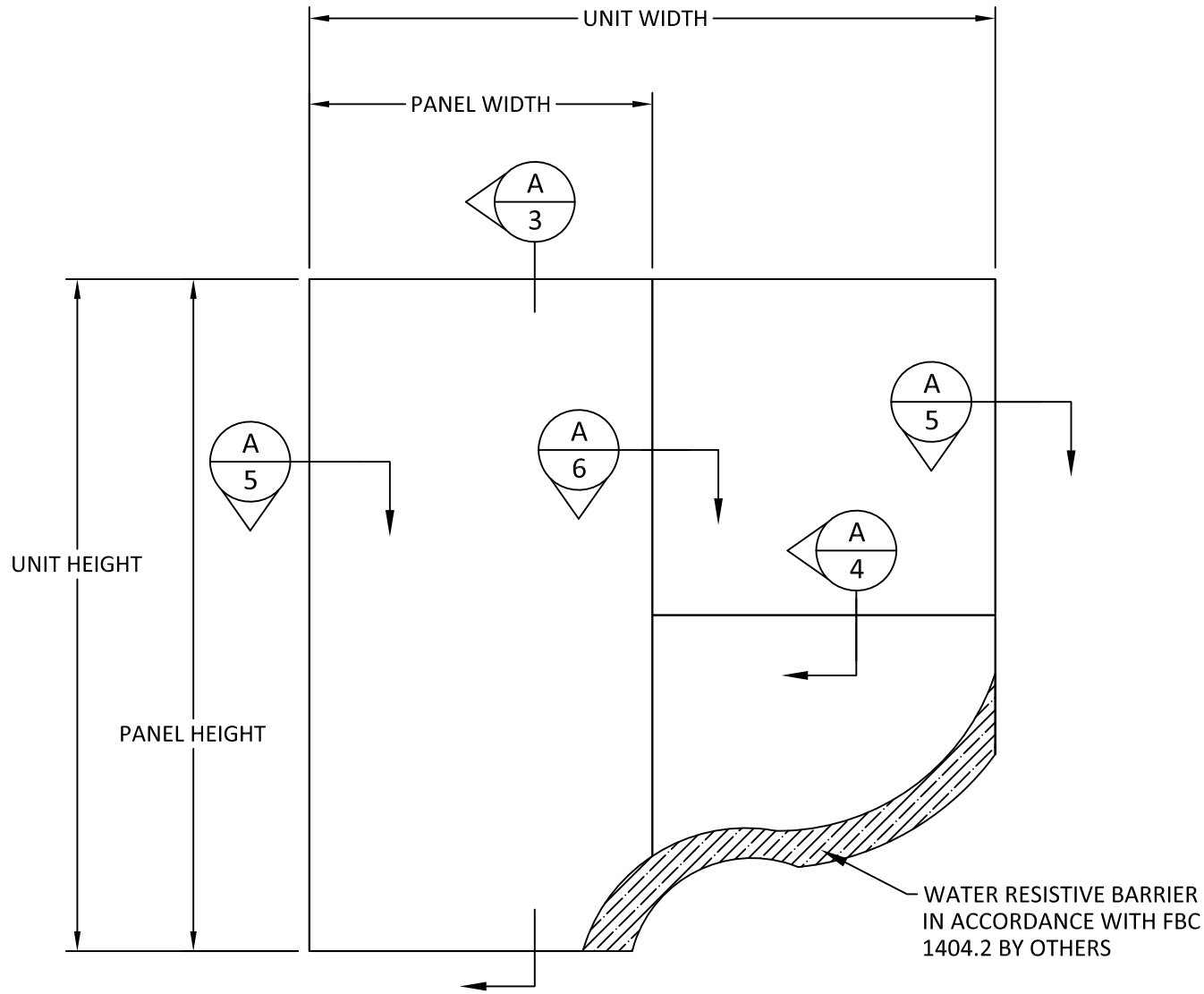
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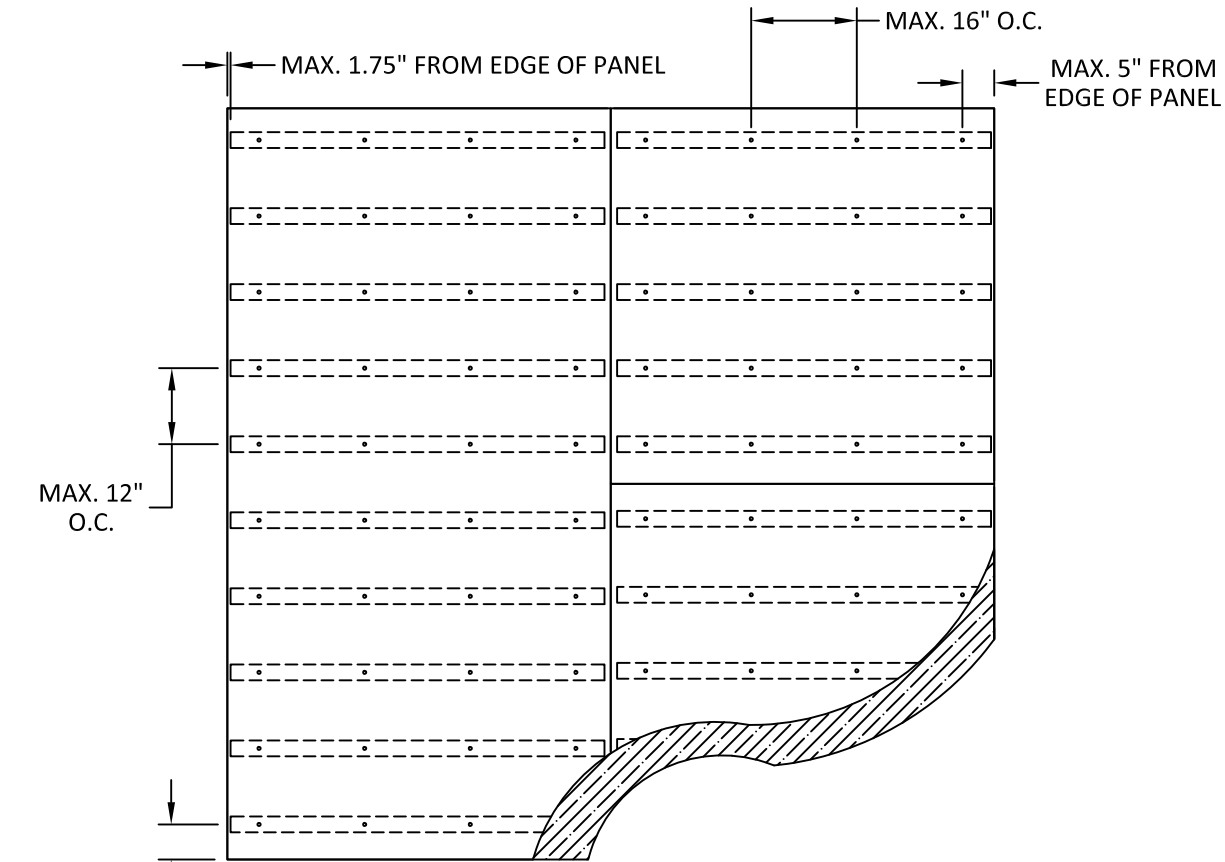
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SHEET:
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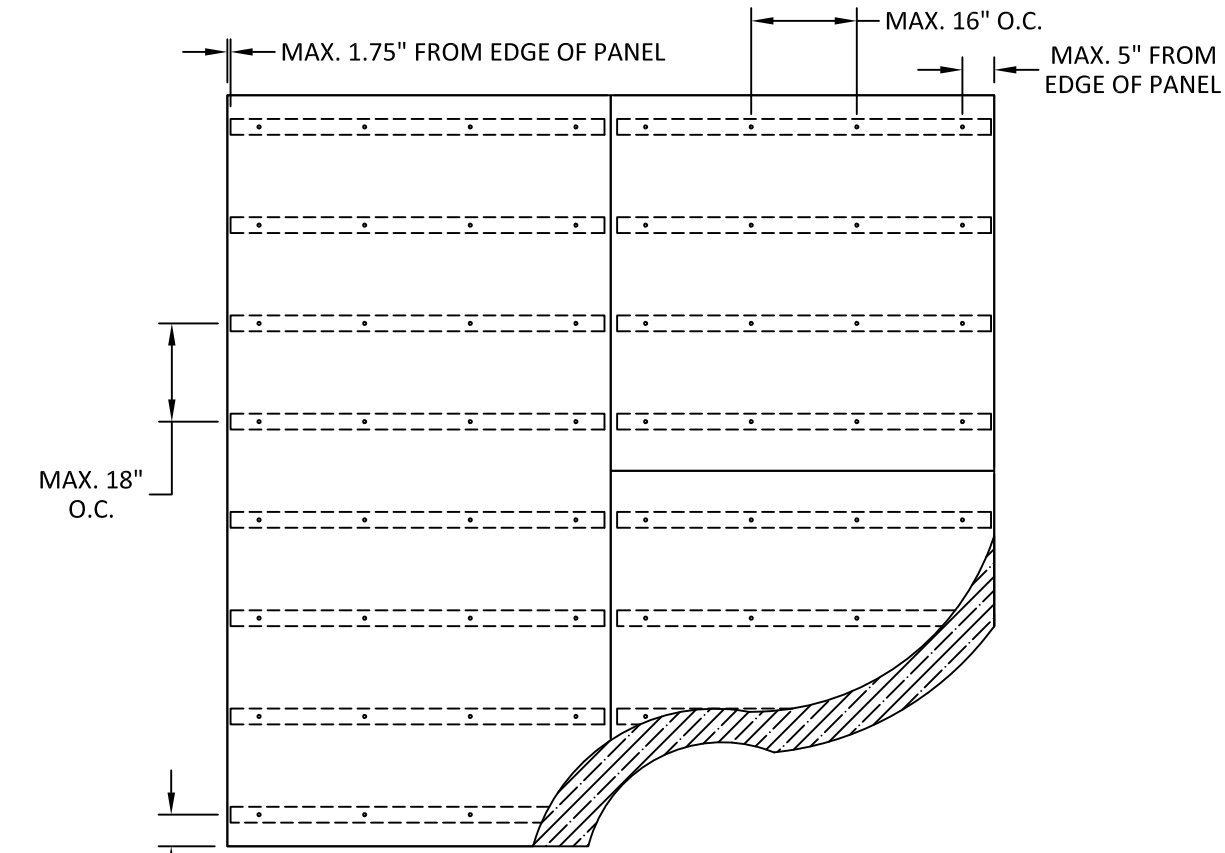
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ELEVATION



INTERNAL C-CHANNEL LAYOUT - 120 PSF



INTERNAL C-CHANNEL LAYOUT - 70 PSF



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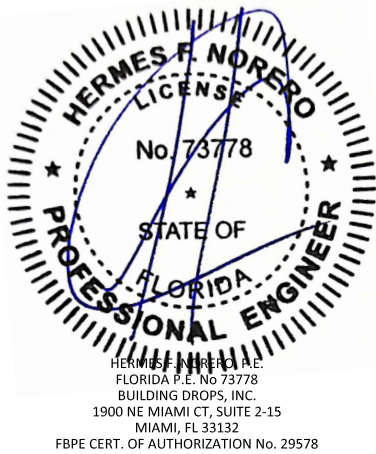
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ELEVATION AND ANCHOR LAYOUT

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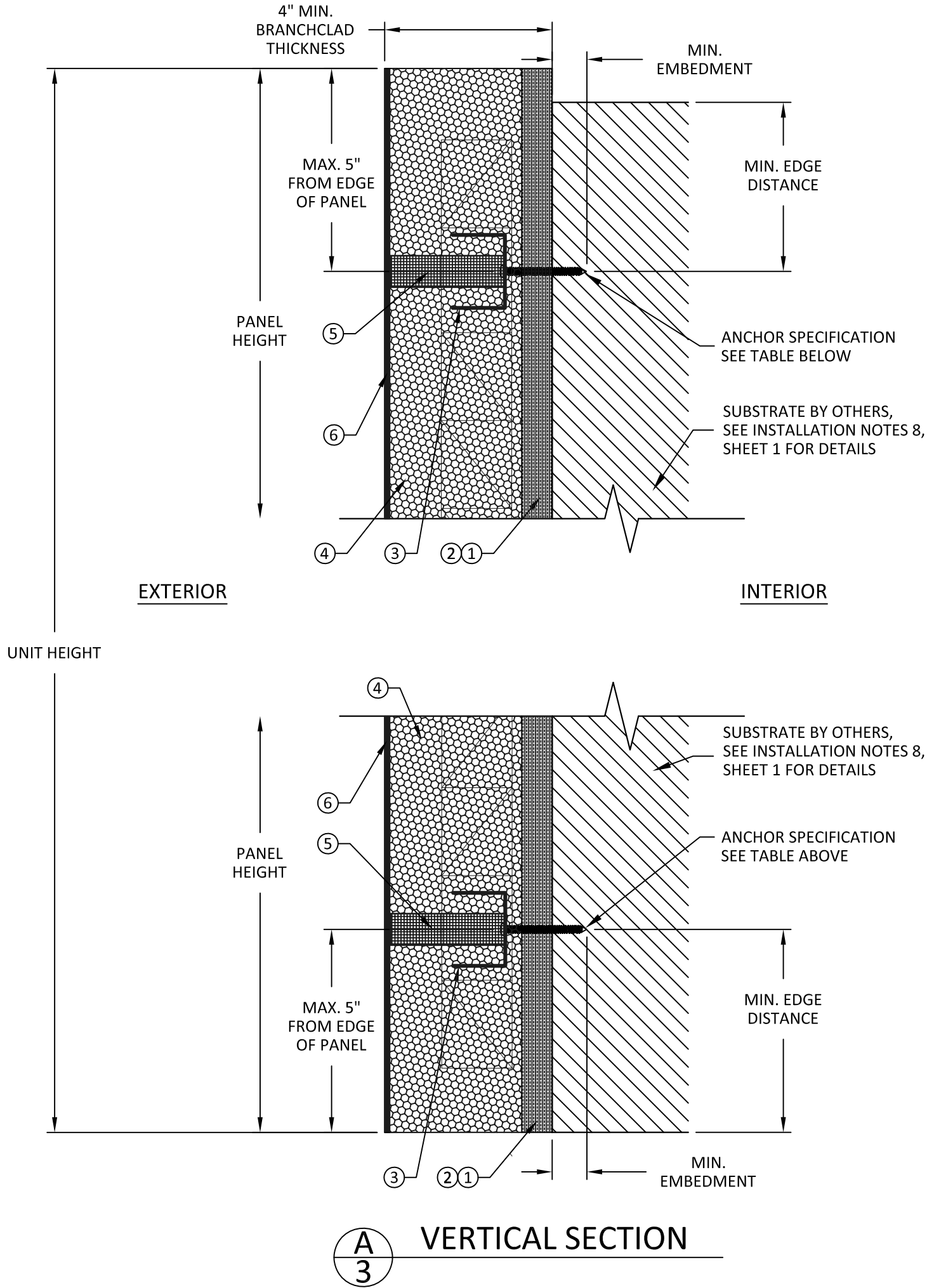
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SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#14 WOOD PAN HEAD SCREW	1.50"	0.75"
STEEL: MIN. 18 GA., MIN. Fy=36 KSI	#14 SELF-DRILLING OR SELF-TAPPING PAN HEAD SCREW	3 THREADS PENETRATION PAST METAL STRUCTURE	0.75"
ALUM.: MIN. 1/8", MIN. 6063-T5			
CONCRETE: MIN. F'C = 3000 PSI	1/4" HEX HEAD ITW TAPCON	1"	2"
HOLLOW / GROUT-FILLED BLOCK PER C-90: MIN. F'C = 2000 PSI		1"	4"



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VERTICAL SECTION AND
ANCHOR DETAILS

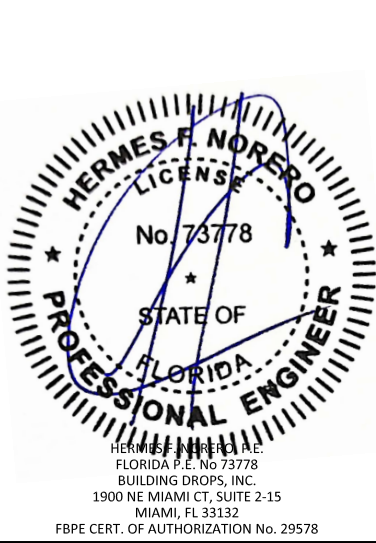
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SHEET: **3**

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EXTERIOR

UNIT HEIGHT

PANEL HEIGHT

MAX. 5" FROM EDGE OF PANEL

MAX. 5" FROM EDGE OF PANEL

PANEL HEIGHT

4" MIN. BRANCHCLAD THICKNESS

MIN. EMBEDMENT

MIN. EDGE DISTANCE

ANCHOR SPECIFICATION SEE TABLE ON SHEET 3

SUBSTRATE BY OTHERS, SEE INSTALLATION NOTES 8, SHEET 1 FOR DETAILS

ANCHOR SPECIFICATION SEE TABLE ON SHEET 3

MIN. EDGE DISTANCE

MIN. EMBEDMENT

INTERIOR

A
4

VERTICAL SECTION



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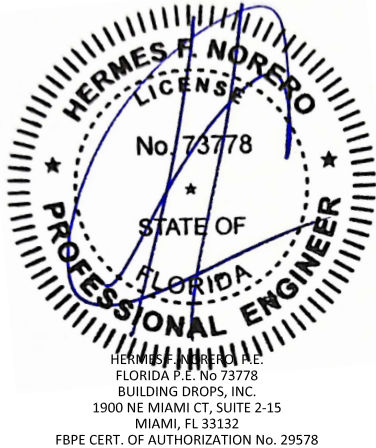
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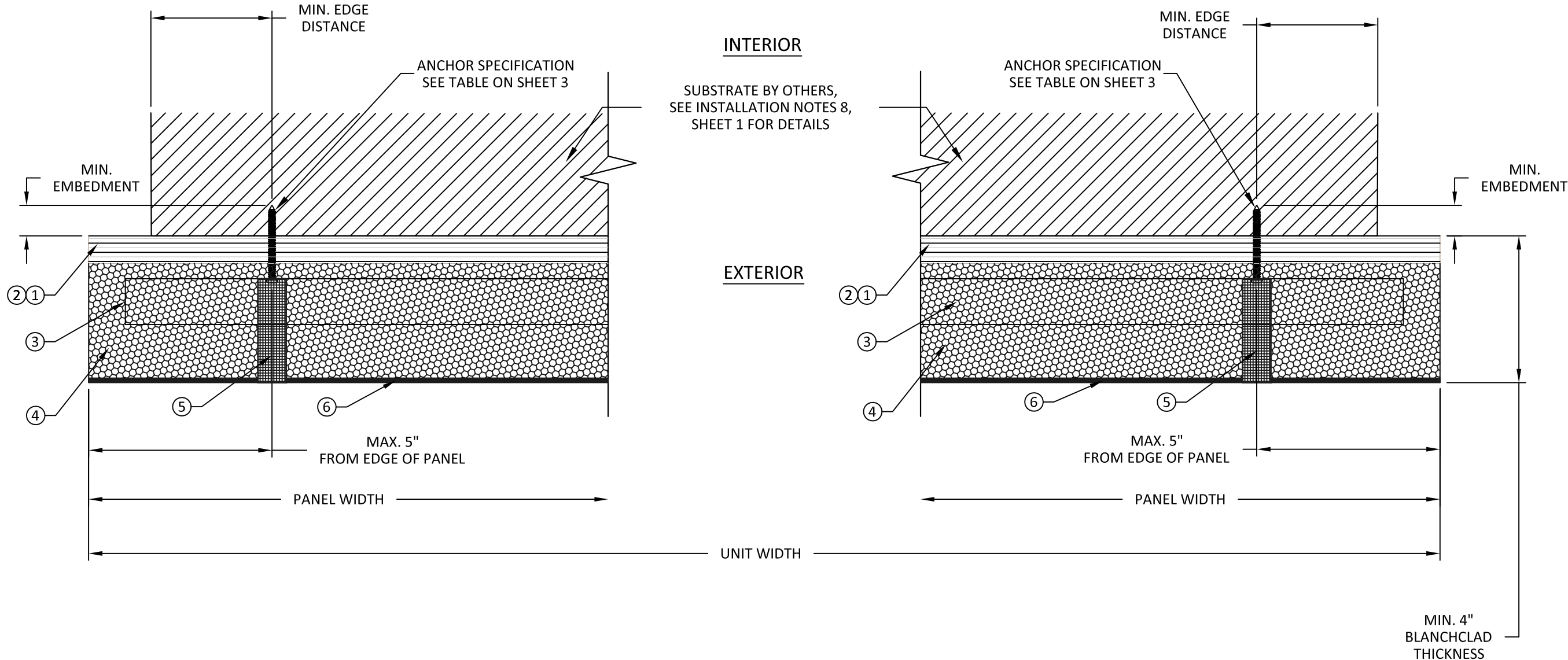
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A
5 HORIZONTAL SECTION



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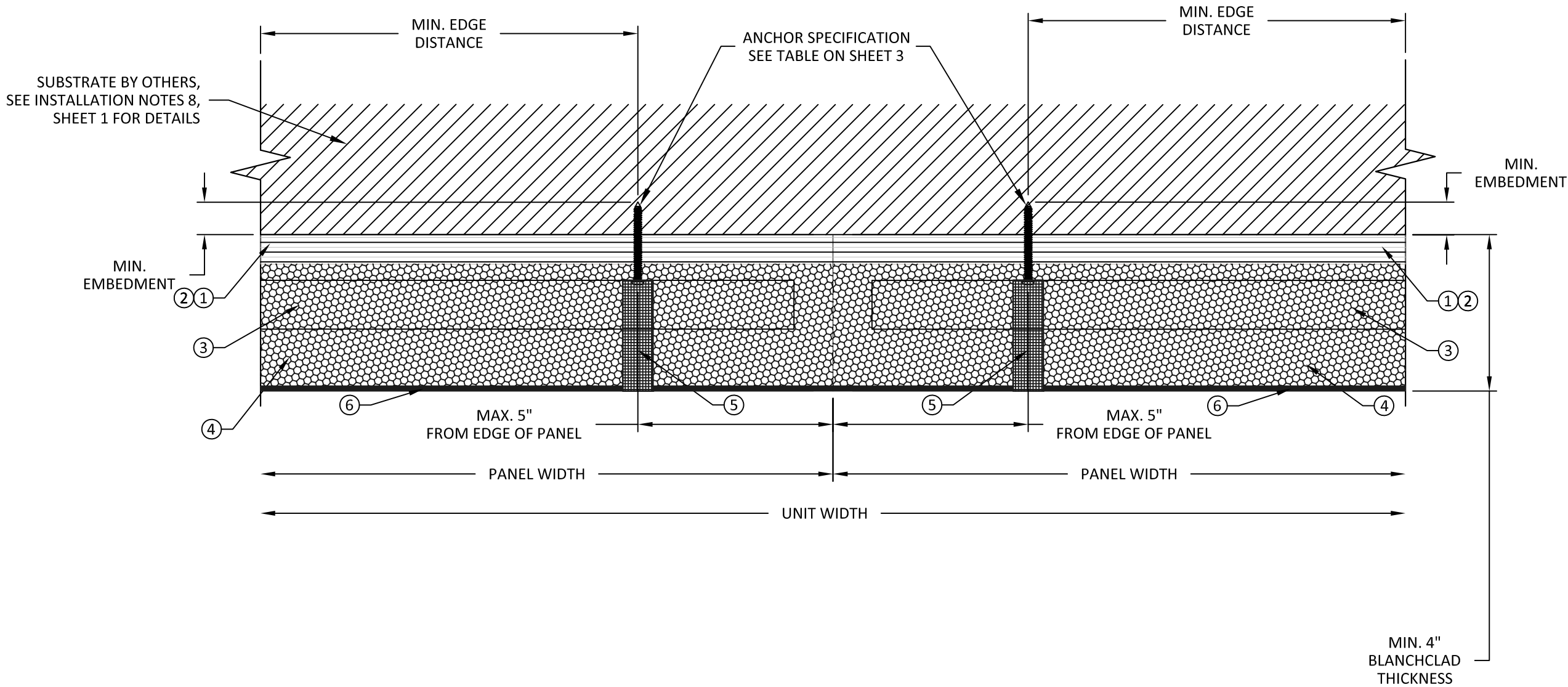


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A
6 HORIZONTAL SECTION



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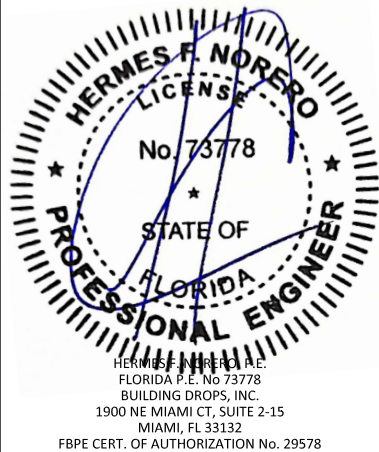
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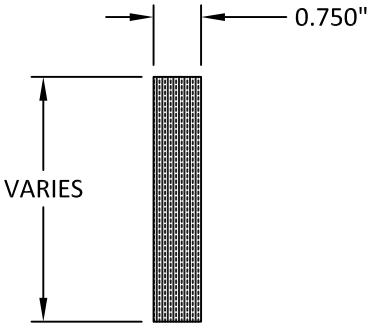
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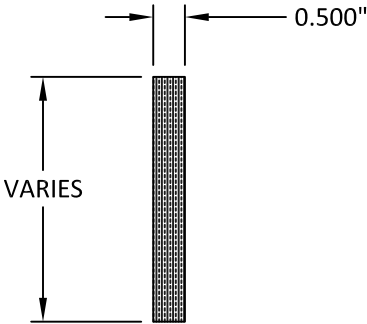
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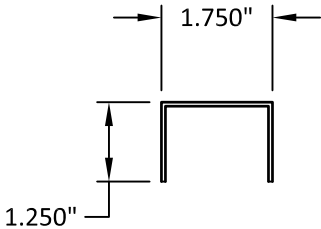
BILL OF MATERIALS		
PART NO.	DESCRIPTION	MATERIAL
1	COOSA NAUTICAL BACKER BOARD	-
2	STO VENTEC BACKER BOARD	-
3	16 GA INTERNAL C-CHANNEL	STEEL
4	BRANCH COMPOSITE CORE	COMPOSITE
5	FOAM INFILL	-
6	SYNTHETIC STUCCO FINISH	-



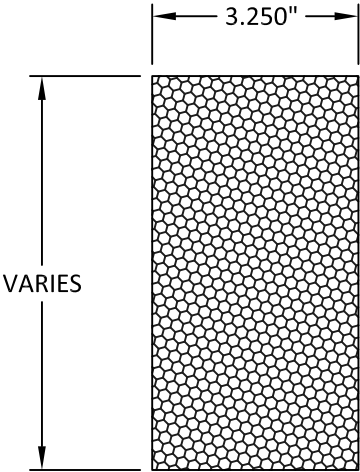
① COOSA NAUTICAL BACKER BOARD



② STO VENTEC BACKER BOARD



③ 16 GA INTERNAL C CHANNEL



④ BRANCH COMPOSITE CORE



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BILL OF MATERIALS
AND COMPONENTS

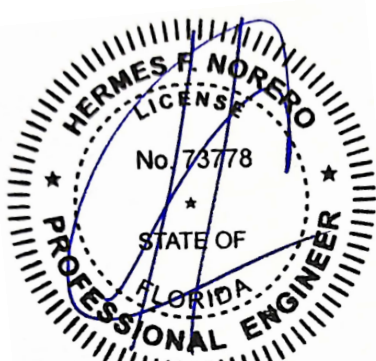
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