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PIONEER INDUSTRIES

SERIES PIOCANE GLAZED STOREFRONT

(HVHZ)(IMPACT)

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.
- FOR INSTALLATION INFORMATION AND ANCHOR LAYOUTS ON JAMBS AND SILL, REFER TO SHEET 2.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, 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 EXPANSION 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
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

OPAQUE PANEL CONSTRUCTION:

THE OVERALL PANEL THICKNESS IS 1 3/4 INCH THICK. THE OPAQUE PANEL SIDE CHANNELS ARE ARE CONSTRUCTED FROM 18 GAUGE (0.048") COLD-ROLLED STEEL. THE PANEL TOP AND BOTTOM END CHANNELS ARE 1.67" X 0.62" AND ARE CONSTRUCTED FROM 16 GAUGE COLD-ROLLED STEEL. THE OPAQUE PANEL SKINS / FACE SHEETS ARE CONSTRUCTED OF **18 GAUGE** (0.048") COLD-ROLLED STEEL AND ATTACHED TO THE END, SIDE CHANNELS. THE OPAQUE PANEL CORE IS CONSTRUCTED OF MIN. 1 LB DENSITY POLYSTYRENE AND ATTACHED TO THE FACES WITH GLUE.

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 201-94
 - TAS 202-94
 - TAS 203-94
 - AAMA 501-15
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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 BUCKS (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.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- UNIT FRAME MATERIAL: 16 GA. STEEL
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	CORNER CONSTRUCTION & GLAZING DETAIL
6	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING		
DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING
+50.0 / -50.0 PSF	WITH WATER INFILTRATION	LARGE AND SMALL MISSILE IMPACT RATED



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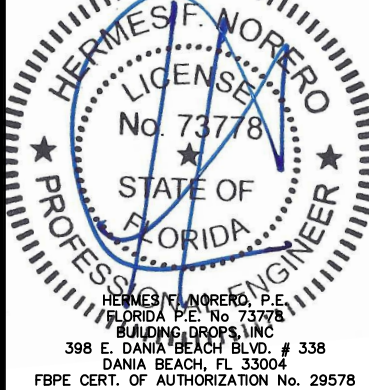
TITLE:
SERIES PIOCANE
STEEL STORE FRONT
(HVHZ)(IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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WEB: www.buildingdrops.com

REMARKS	BY	DATE
GLASS CHANNEL FASTENER SPACING	JLA	3/07/11
5TH EDITION FBC REVISIONS	LS	8/07/15
AAMA 501-05 REFERENCE ADDED	SM	12/16/15
2020 FBC UPDATE	NUS	10/28/20
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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.07 06:12:46 -05'00'



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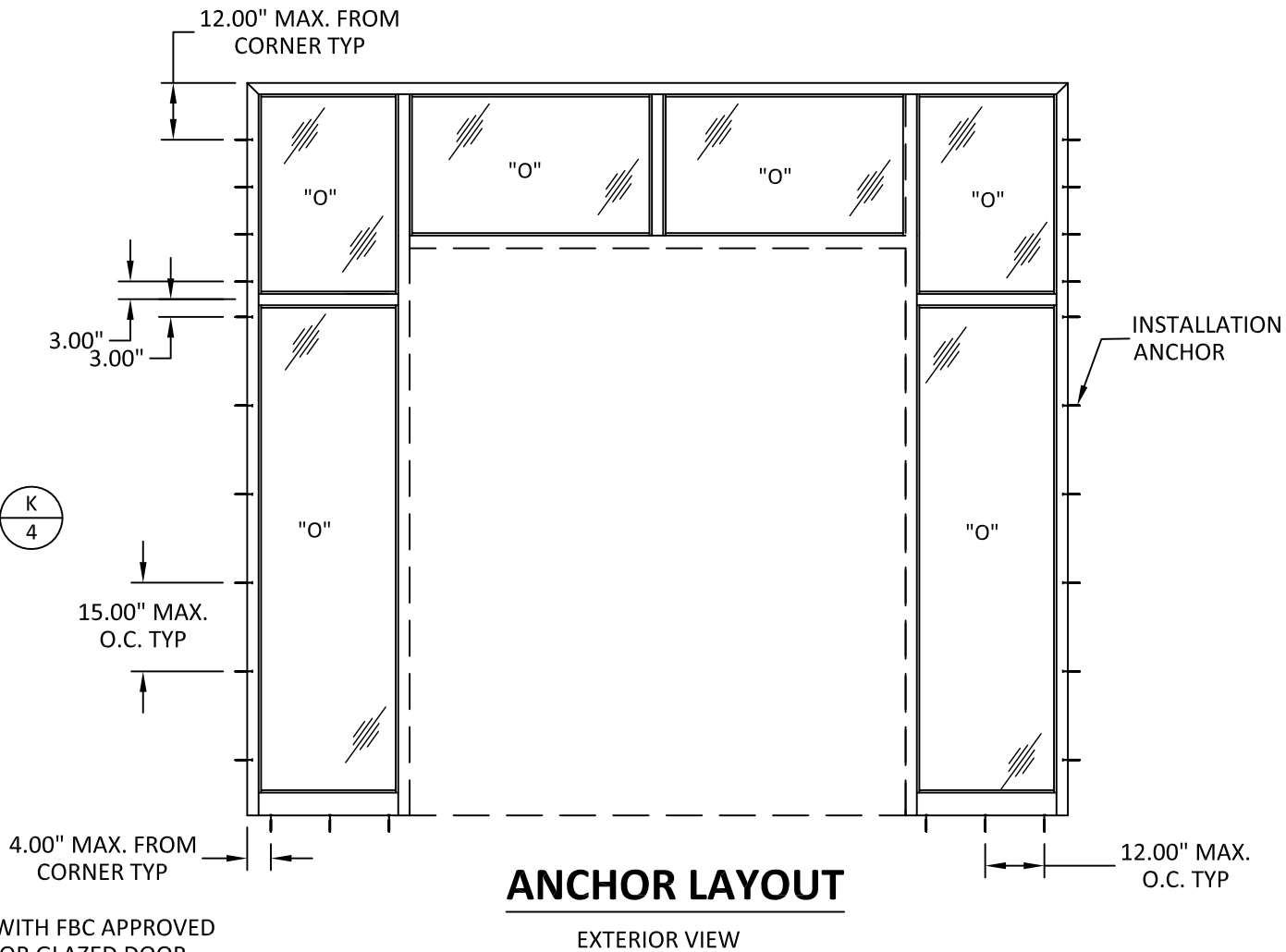
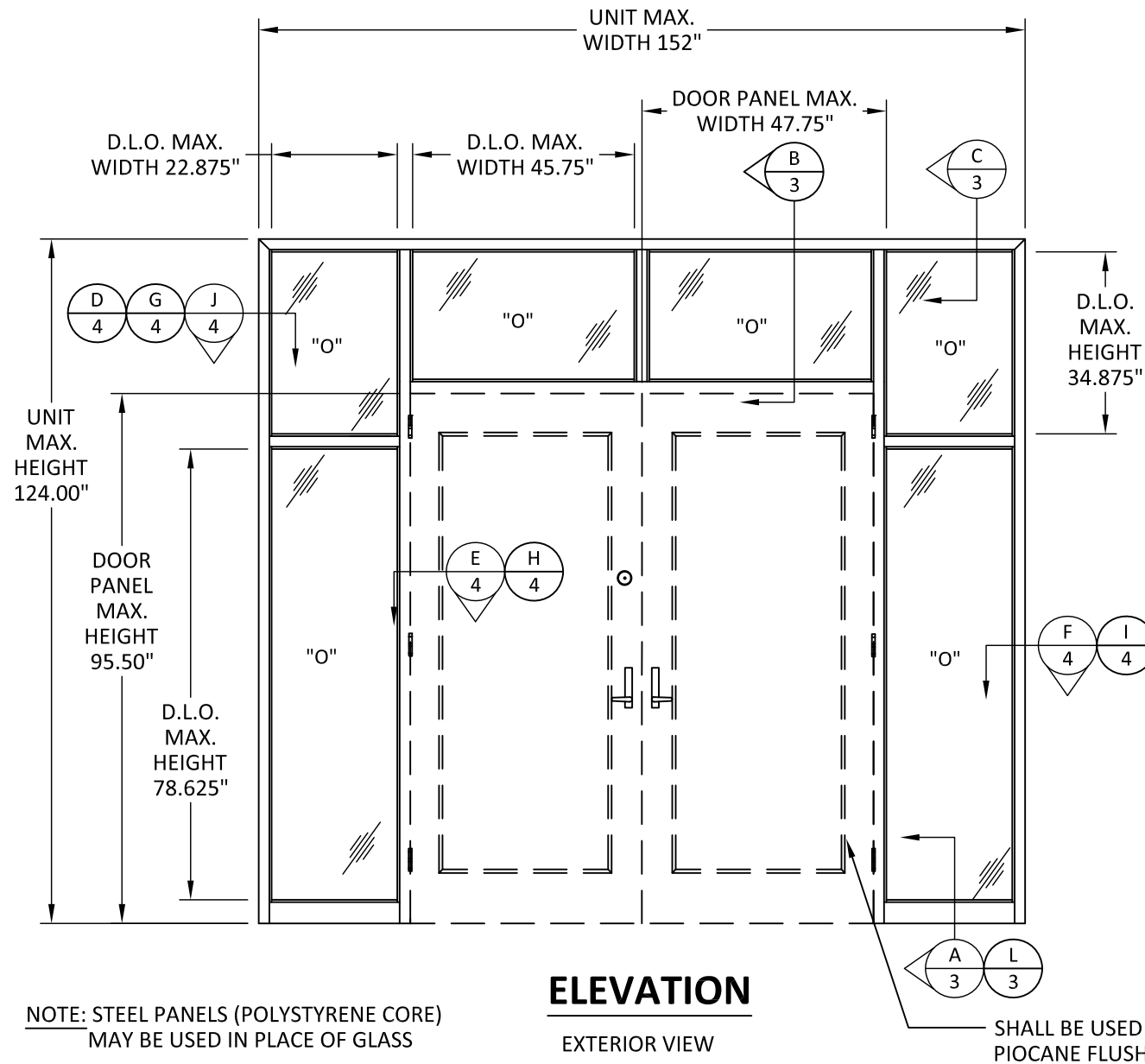
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SHEET

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ANCHOR SCHEDULE					
SUBSTRATE	ANCHOR	MIN. EMBEDMENT (IN.)	MIN. EDGE DISTANCE (IN.)	MAXIMUM O.C. SPACING (IN.)	
				JAMBS	SILL
CONCRETE/CMU	3/16" WIRE ANCHOR	6.5	1.625	EVERY 2 COURSES OF CMU*	N/A
	T-STRAP ANCHOR	6	2.5	EVERY 2 COURSES OF CMU*	N/A
	3/8" RED HEAD DYNABOLT SLEEVE ANCHOR	1.50	2.25	SEE LAYOUT	N/A
	1/4" ITW TAPCON ANCHOR	1.25	2.50	N/A	SEE LAYOUT
WOOD	3/8" LAG SCREW	3.00	1.50	SEE LAYOUT	N/A
	#14 WOOD SCREW	1.50	0.75	N/A	SEE LAYOUT

* A MINIMUM OF NINE (9) ANCHORS IS REQUIRED ON EACH JAMB
NOTE: NO ANCHORS ARE USED THROUGH THE FRAME HEAD.

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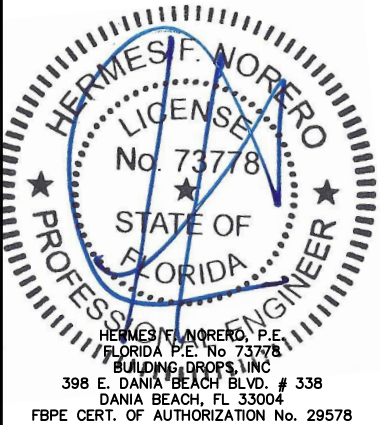
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ELEVATION & ANCHOR LAYOUT

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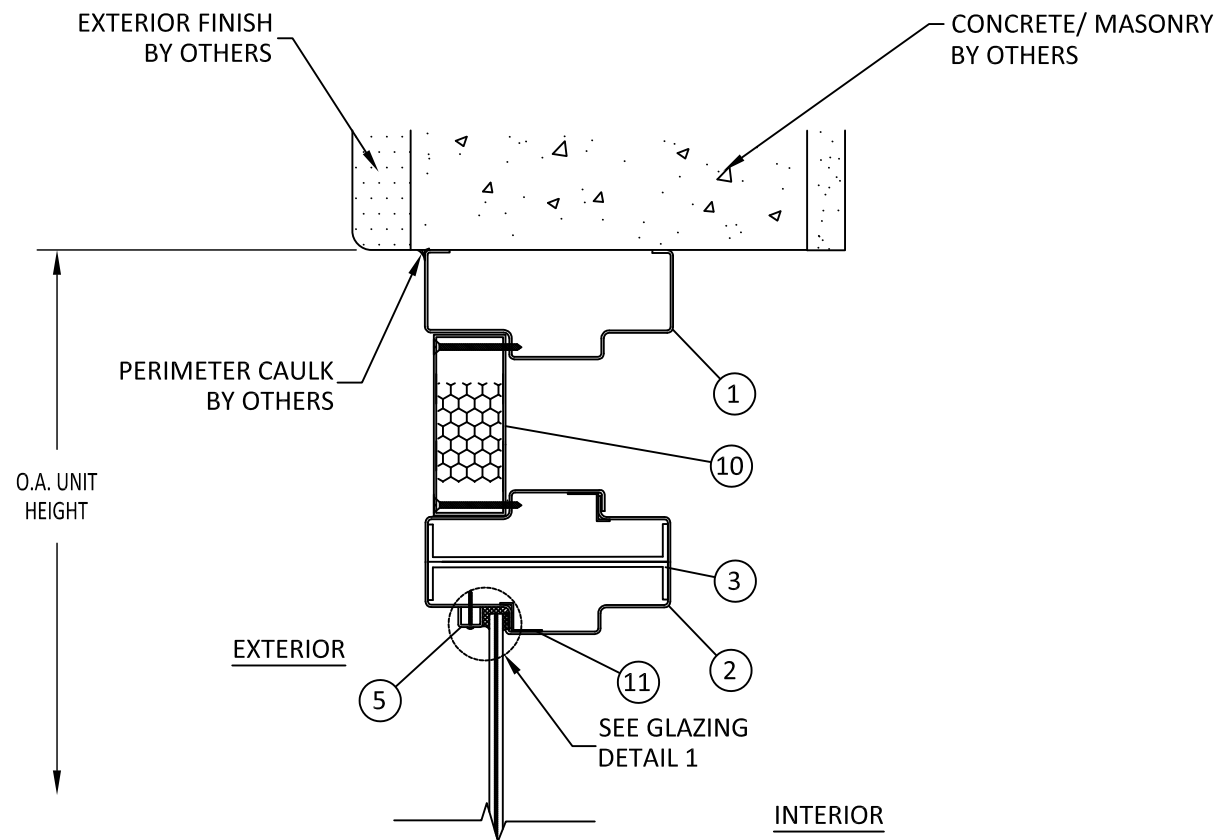
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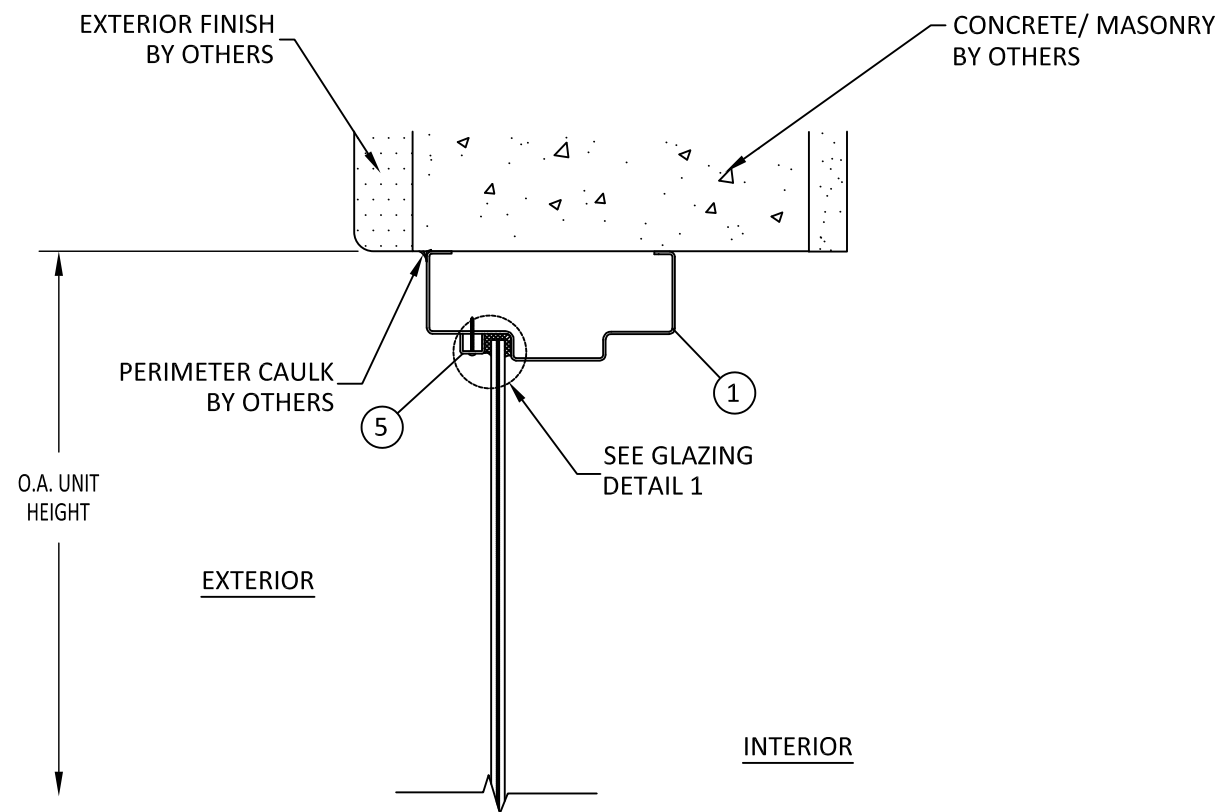
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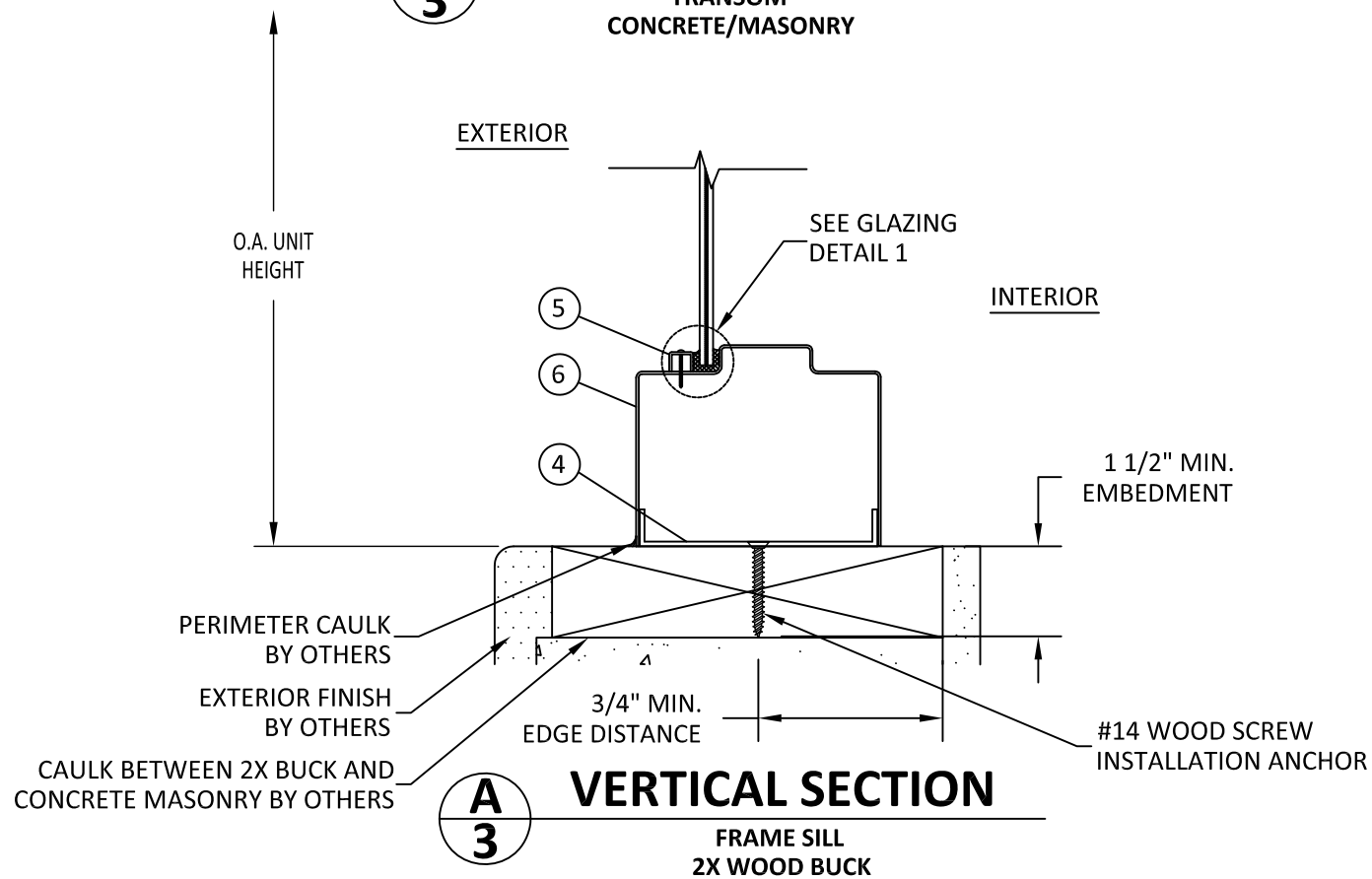
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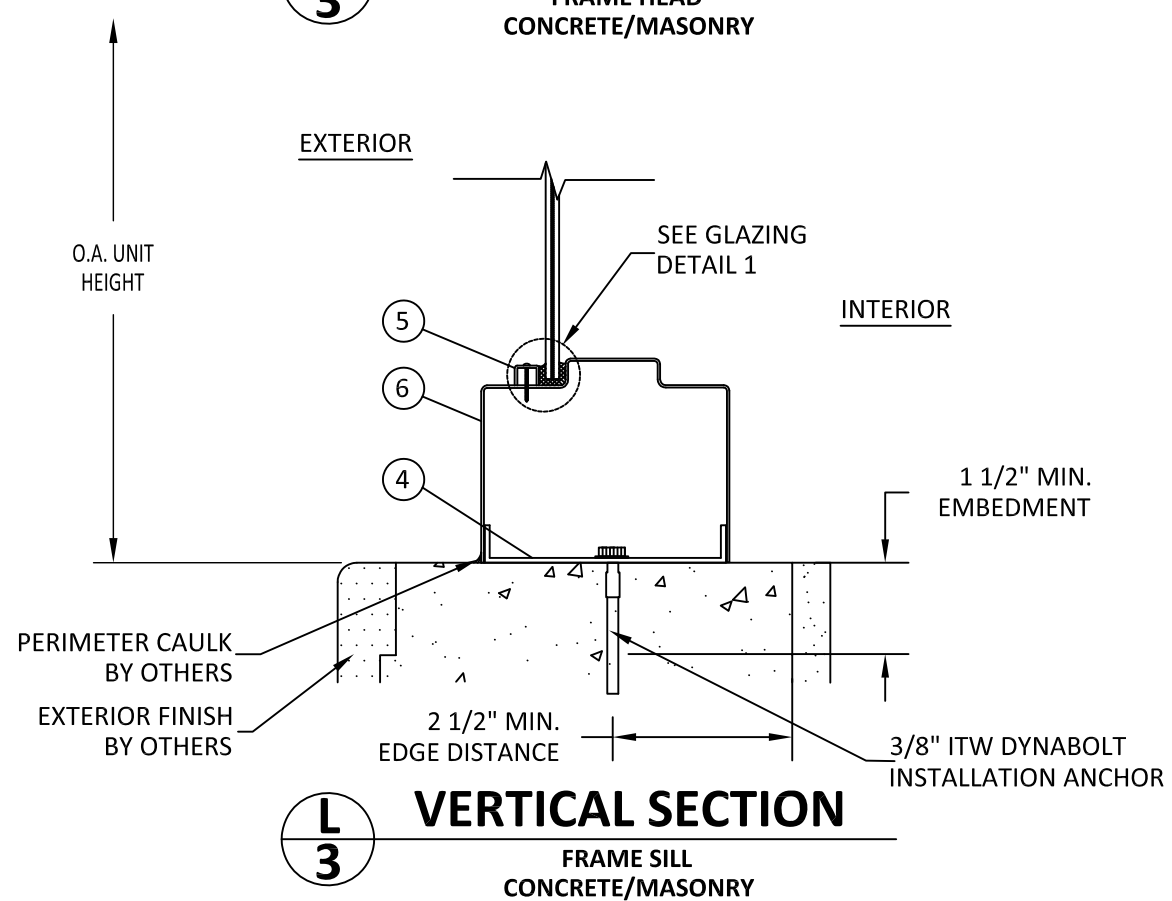
B
3 **VERTICAL SECTION**
TRANSOM
CONCRETE/MASONRY



C
3 **VERTICAL SECTION**
FRAME HEAD
CONCRETE/MASONRY



A
3 **VERTICAL SECTION**
FRAME SILL
2X WOOD BUCK



L
3 **VERTICAL SECTION**
FRAME SILL
CONCRETE/MASONRY

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STEEL STORE FRONT
(HVHZ)(IMPACT)

VERTICAL SECTIONS

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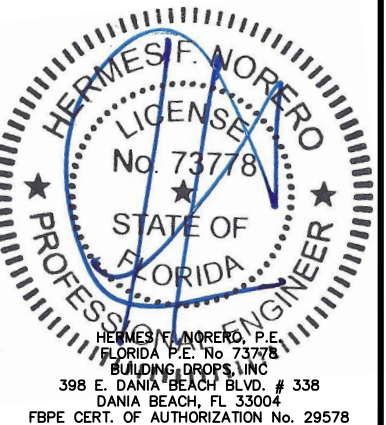
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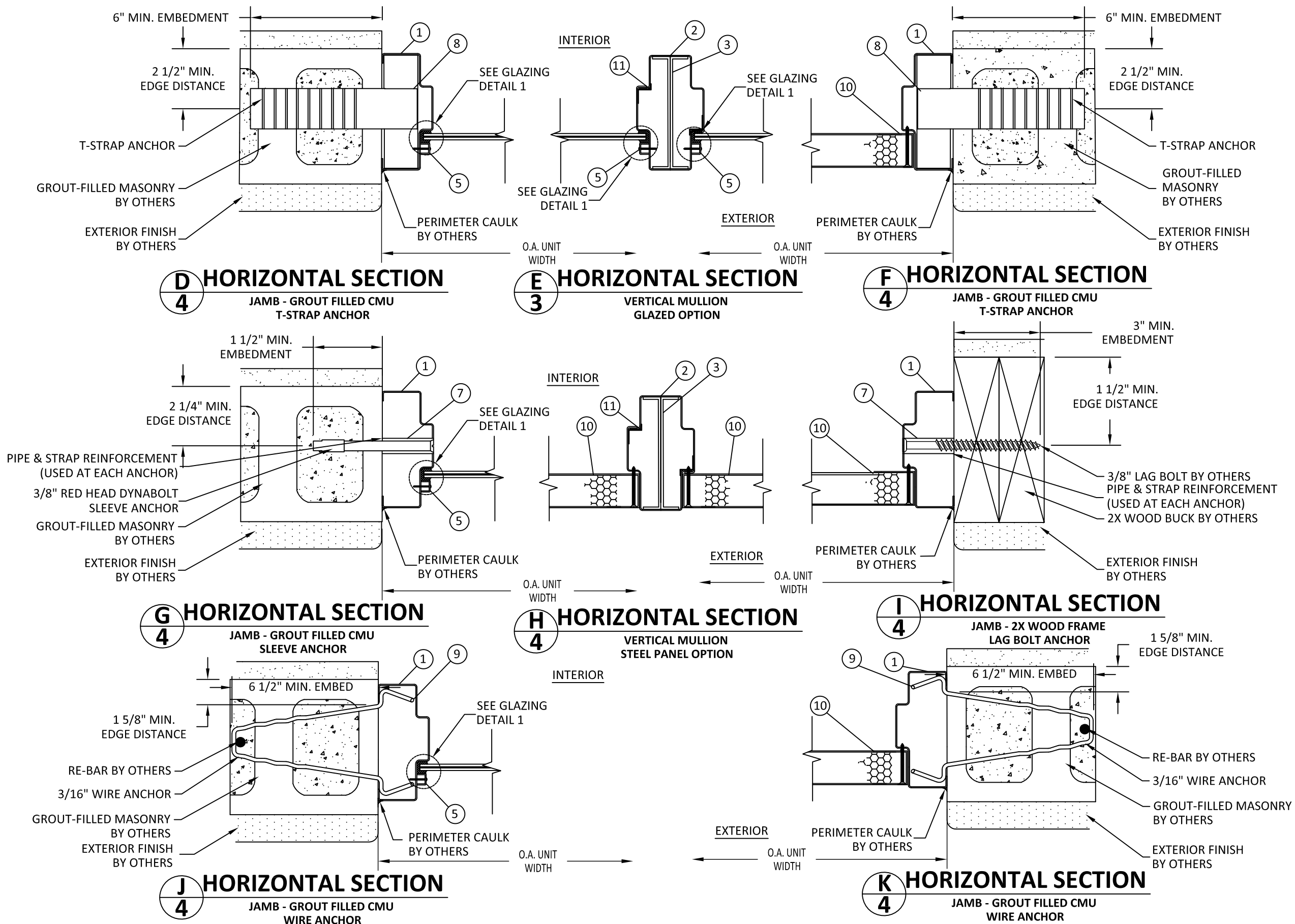
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OF 6



SERIES PIOCANE
STEEL STORE FRONT
(HVHZ)(IMPACT)

HORIZONTAL SECTIONS

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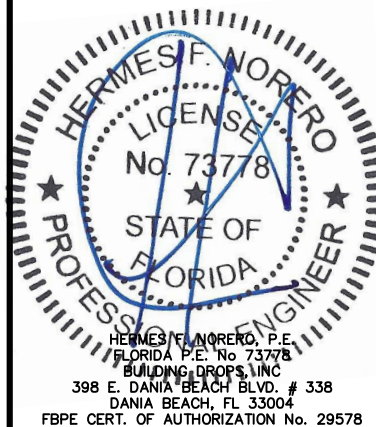
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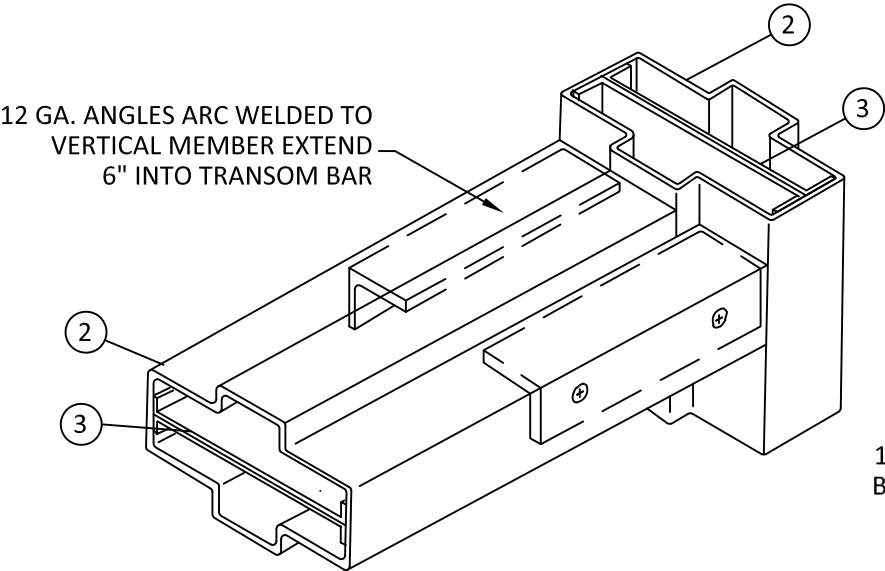
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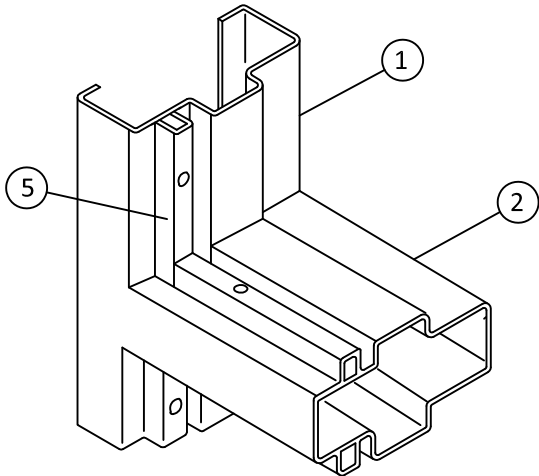
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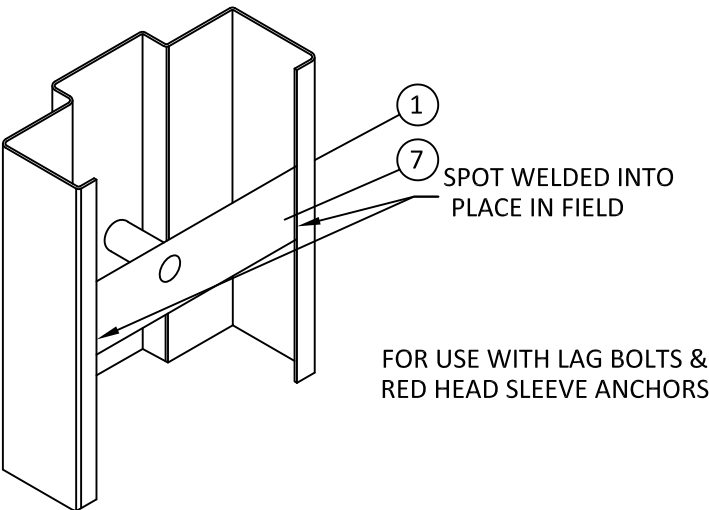
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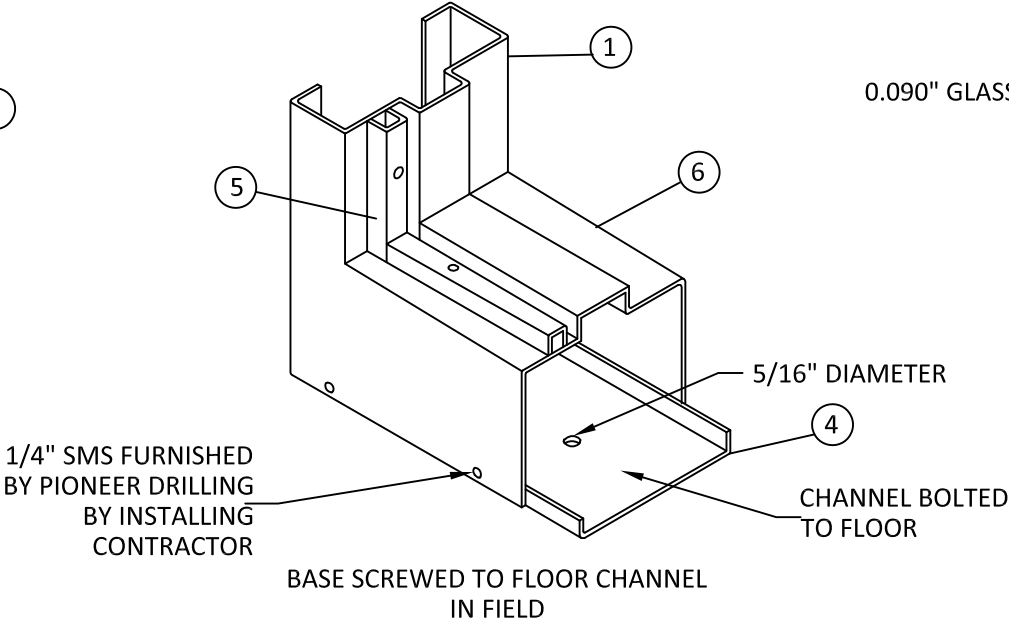
BUTT SPLICE AT MULLIONS



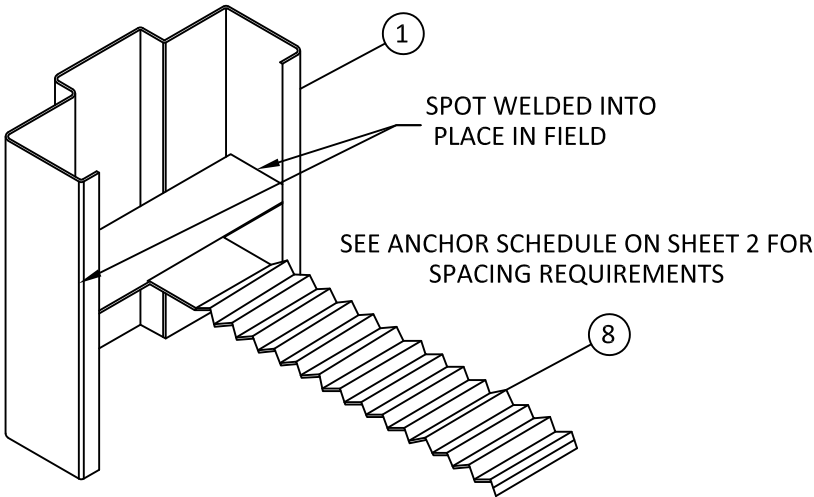
JAMB AT HORIZONTAL MULLION



PIPE & STRAP ANCHOR

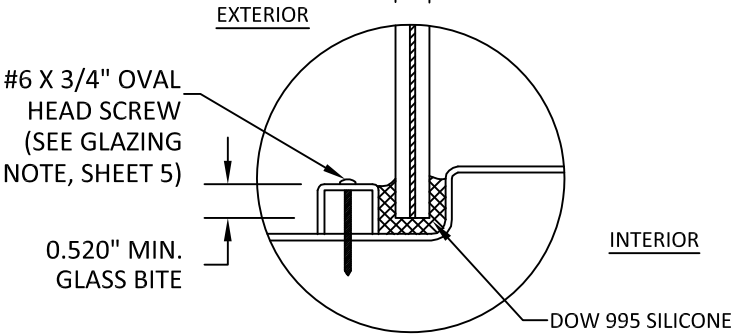


JAMB AT FRAME SILL



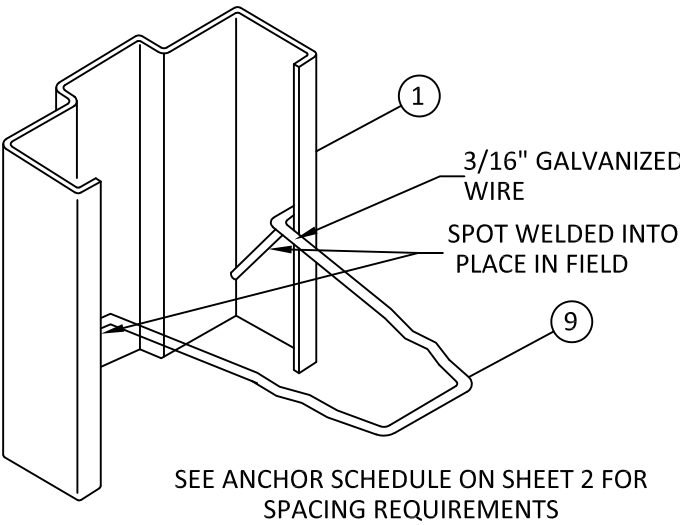
0.104" T-STRAP MASONRY ANCHOR

7/16" O.A. LAMINATED GLASS
CONSISTING OF:
3/16" ANNEALED GLASS,
0.090" GLASSLAM SAFETY PLUS II INTERLAYER,
3/16" ANNEALED GLASS



GLAZING DETAIL 1

- NOTE:
1. GLASS MEETS REQUIREMENTS OF ASTM E1300.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS ON PAGE 2.



3/16" WIRE MASONRY ANCHOR

GLAZING NOTE:
VERTICAL CHANNELS: MIN. 3.00" FROM CORNERS & 7.25" O.C.
HORIZONTAL CHANNELS: MIN. 2.50" FROM CORNERS & 6.25" O.C.

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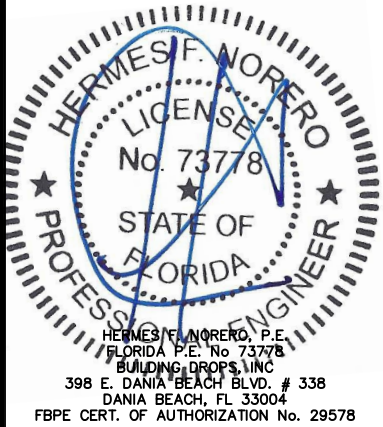
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SERIES PIOCANE
STEEL STORE FRONT
(HVHZ)(IMPACT)
CORNER CONSTRUCTION
& GLAZING DETAIL

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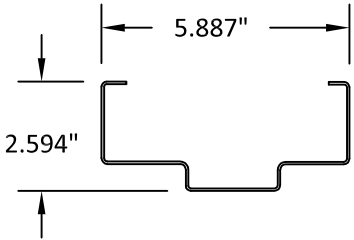
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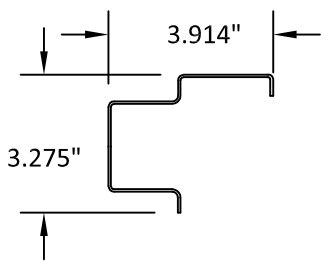
BILL OF MATERIALS

NO.	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1		FRAME	16. GA. (0.053") GALV. STEEL	PIONEER
2		MULLION	16. GA. (0.053") GALV. STEEL	PIONEER
3		FRAME REINFORCEMENT	GALV. STEEL	PIONEER
4		FLOOR PLATE	GALV STEEL	PIONEER
5		GLAZING CHANNEL	GALV. STEEL	PIONEER
6		SIDELITE SILL FRAME	16. GA. (0.053") GALV. STEEL	PIONEER
7		PIPE & STRAP REINFORCEMENT	STEEL	PIONEER
8		T-STRAP ANCHOR	STEEL	PIONEER
9		3/16" WIRE ANCHOR	STEEL	PIONEER
10		OPAQUE PANEL	STEEL (POLYSTYRENE CORE)	PIONEER
11		MULLION CLIP	18 GA. STEEL	PIONEER

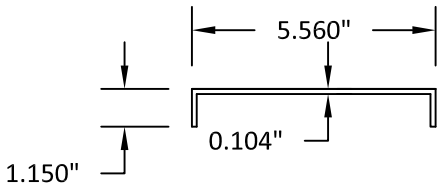
1 FRAME
16. GA GALV. STEEL



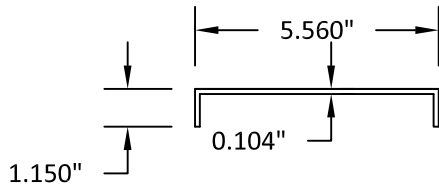
2 MULLION
16. GA GALV. STEEL



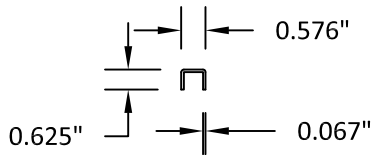
3 FRAME REINFORCEMENT
GALV. STEEL



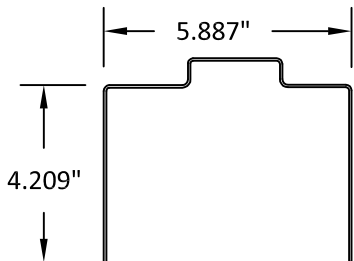
4 FLOOR PLATE
GALV. STEEL



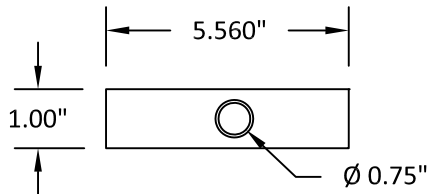
5 GLAZING CHANNEL
GALV. STEEL



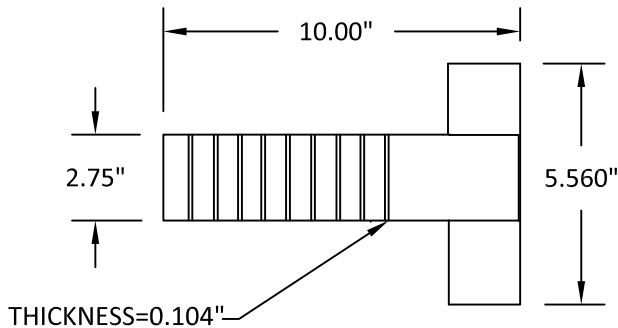
6 SIDELITE SILL FRAME
16 GA. GALV. STEEL



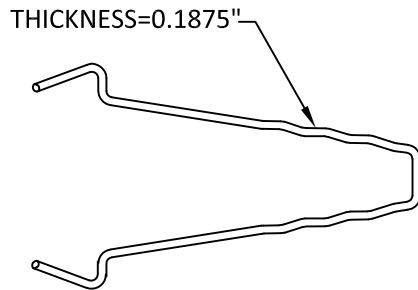
7 PIPE & STRAP REINFORCEMENT
GALV. STEEL



8 T-STRAP ANCHOR
STEEL



9 3/16" WIRE ANCHOR
STEEL



11 MULLION CLIP
18 GA. STEEL



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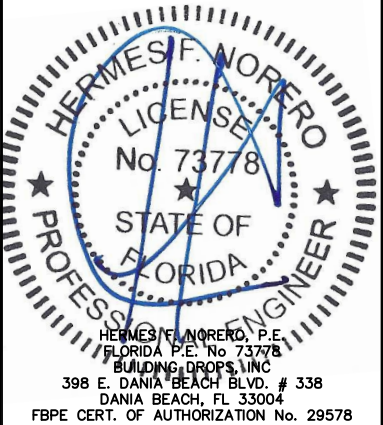
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