

OLDCASTLE BUILDINGENVELOPE®

PW-257 STORMMAX CURTAIN WALL SYSTEM

(HVHZ) (IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITH OUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO SECTION 7 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

6.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

6.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
7. 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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **INCLUDING** REQUIREMENTS FOR HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-24
 - ASTM E283-19
 - ASTM E330-14(21)
 - ASTM E331-00(23)
 - ASTM E1886-19
 - ASTM E1996-23
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL 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.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND THE 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 CONDITION 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. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE.

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3	VERTICAL SECTIONS
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5	DOOR SECTION DETAILS
6	GLAZING DETAILS
7	ANCHOR DETAILS
8	BILL OF MATERIALS AND COMPONENTS

INSTRUCTIONS:

- USE CHARTS AS FOLLOW
- STEP 1. DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2. SEE CHARTS ON SECTION 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3. CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, AND CORNERS ON SECTIONS 3 & 4.
- STEP 4. USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 7 WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5. THE LOWEST VALUE RESULTING FROM STEPS 2, 3, AND 4 SHALL APPLY TO ENTIRE SYSTEM.



OLDCASTLE BUILDINGENVELOPE®
8655 ELM FAIR BLVD.
TAMPA, FL 33610
PH: (972) 551-6100

TITLE:
PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)

COVER SHEET & GENERAL NOTES

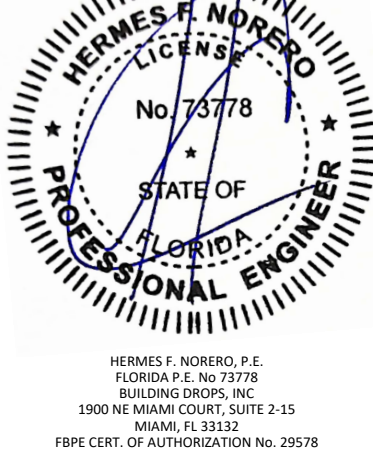
PREPARED BY:

BUILDING DROPS, INC.
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FAX: (954) 744-4738
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.06 18:18:58 -04'00'



FL #: **FL48356**

DATE: **05.20.2026**

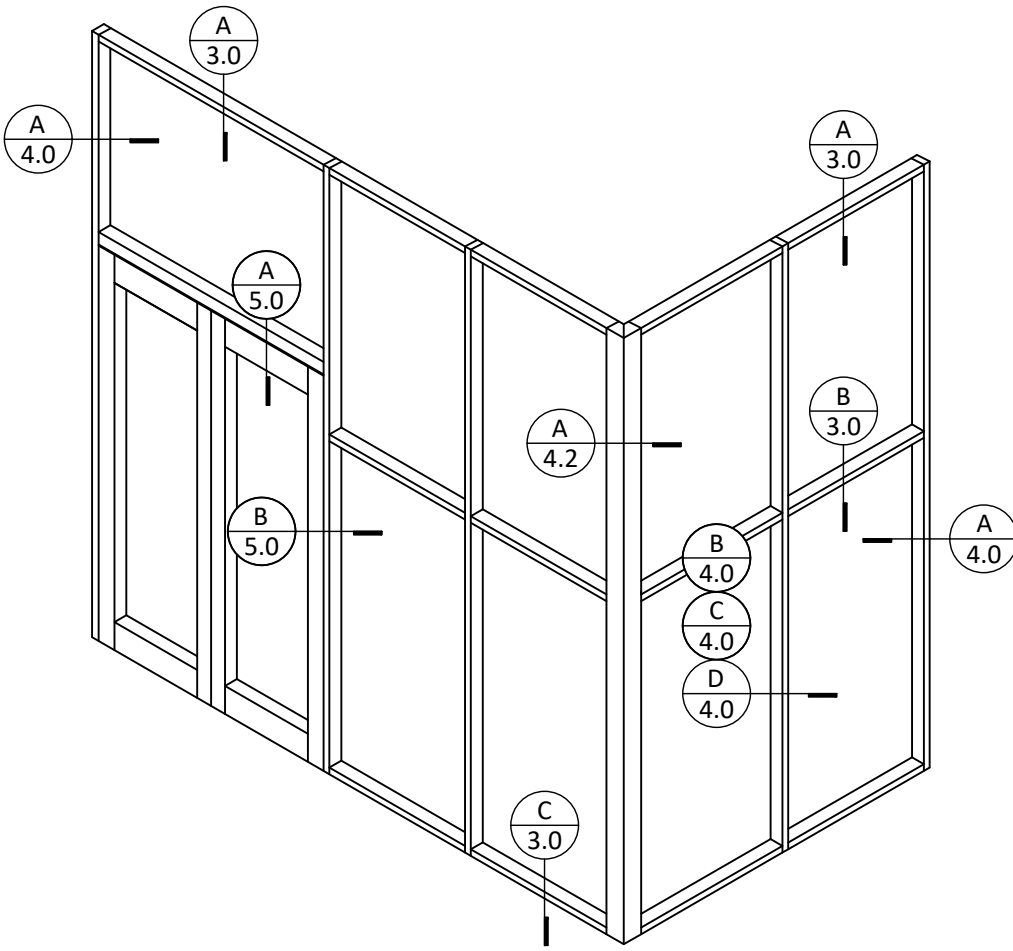
DWG. BY: **MS**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OBE022**

SECTION:
1.0
[SHEET 1 OF 17]

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TYPICAL ELEVATION



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ELEVATIONS

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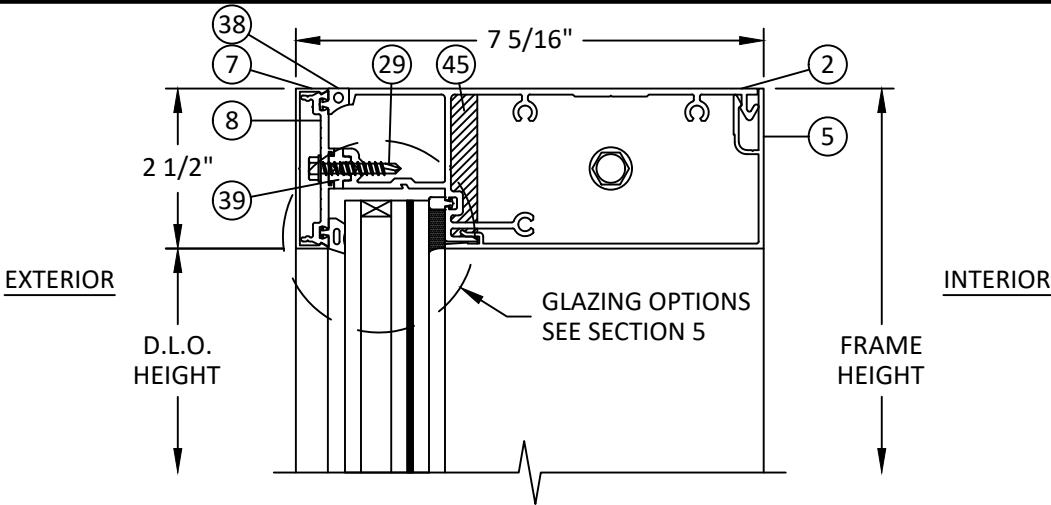
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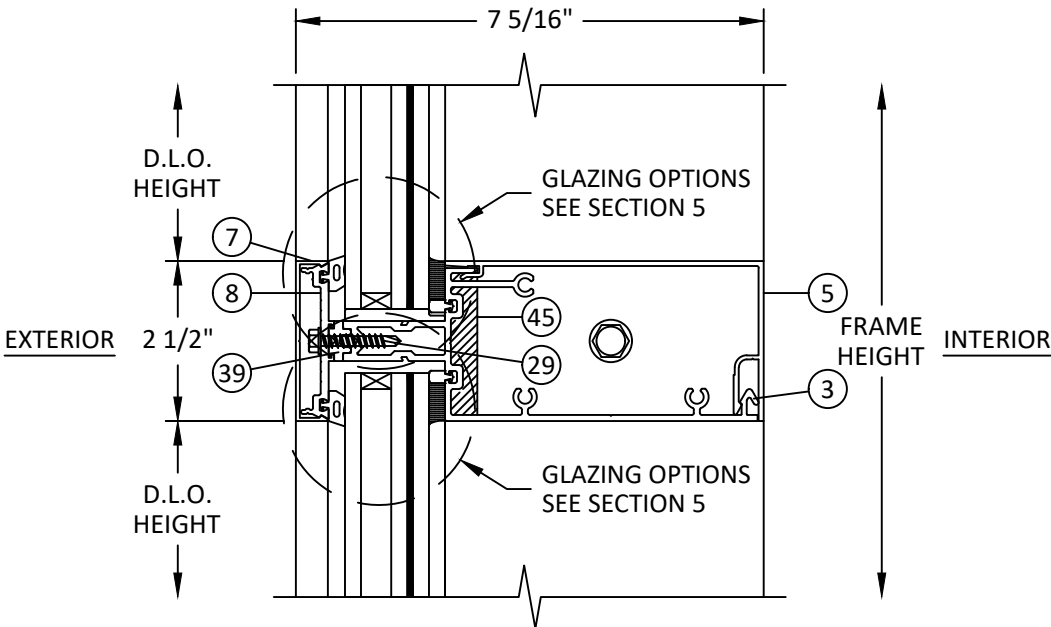
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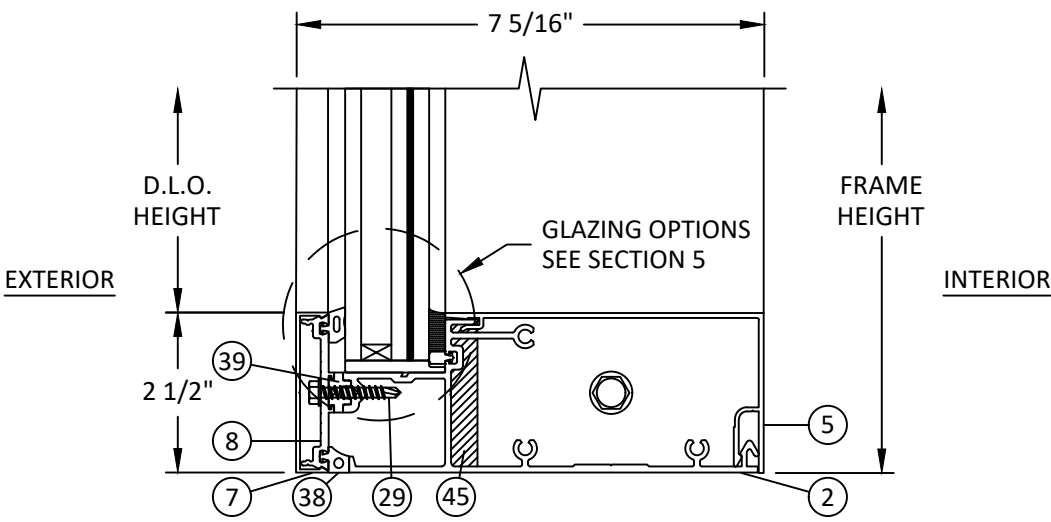
SECTION:
2.0
[SHEET 2 OF 17]



A
3.0
VERTICAL SECTION
FRAME HEAD



B
3.0
VERTICAL SECTION
HORIZONTAL MULLION



C
3.0
VERTICAL SECTION
FRAME SILL

DESIGN PRESSURE TABLE - HORIZONTAL MULLION	
MAX. SPAN LENGTH	DESIGN PRESSURE
60"	+/- 80 PSF



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VERTICAL SECTIONS

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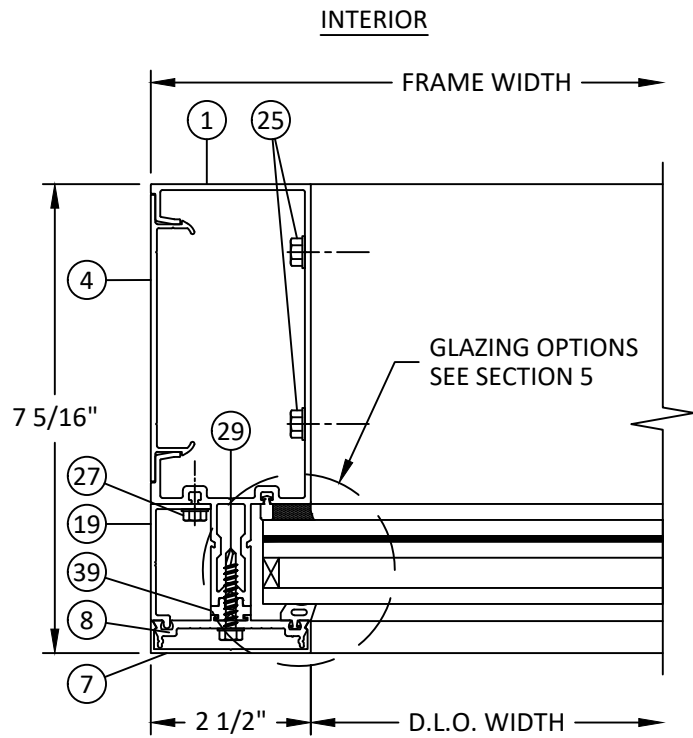
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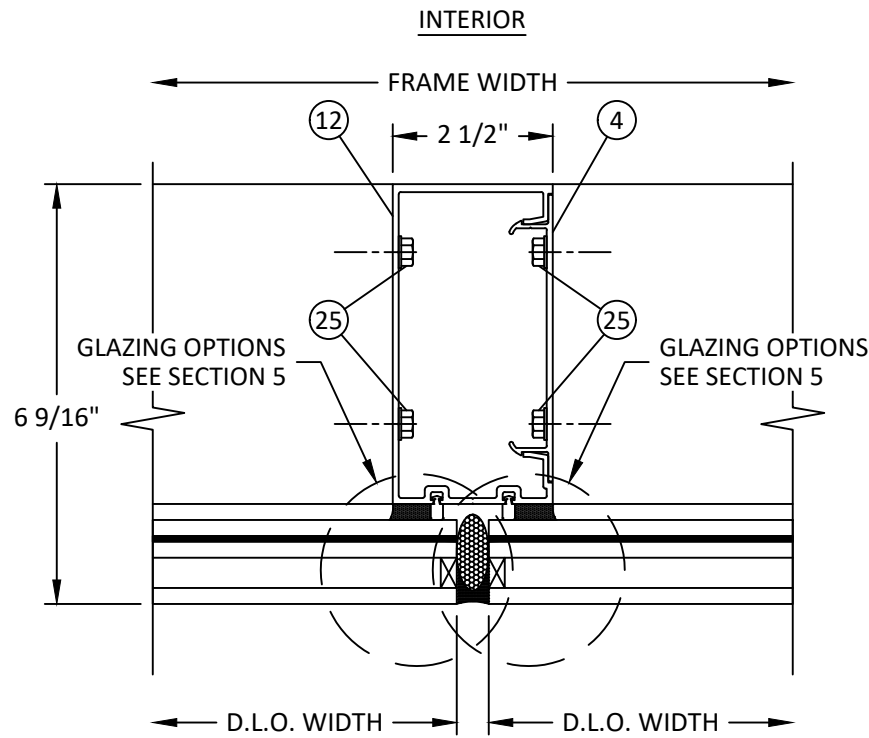
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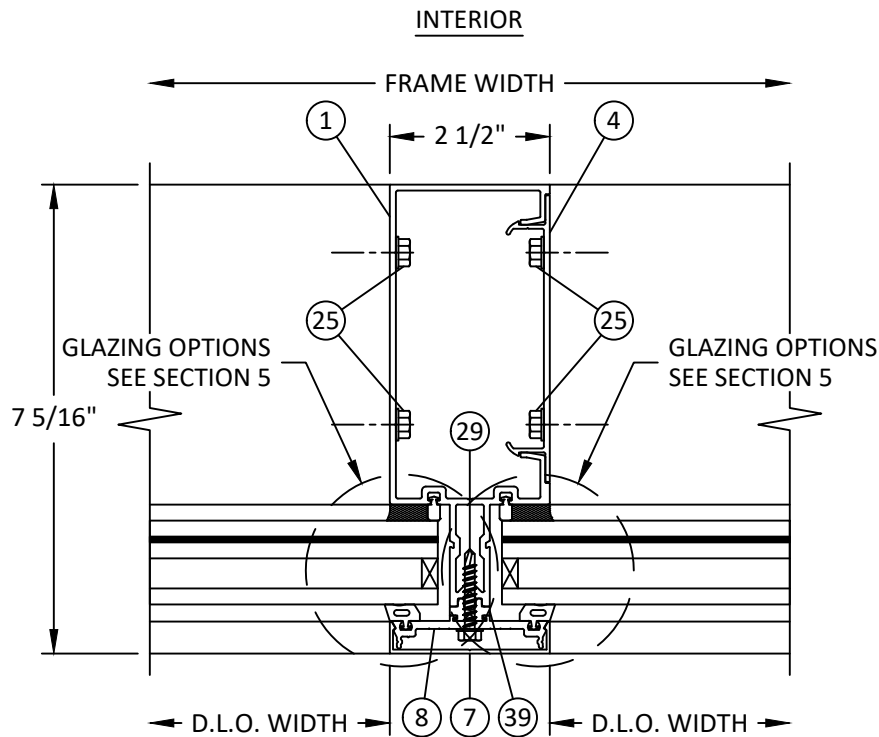
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3.0
[SHEET 3 OF 17]



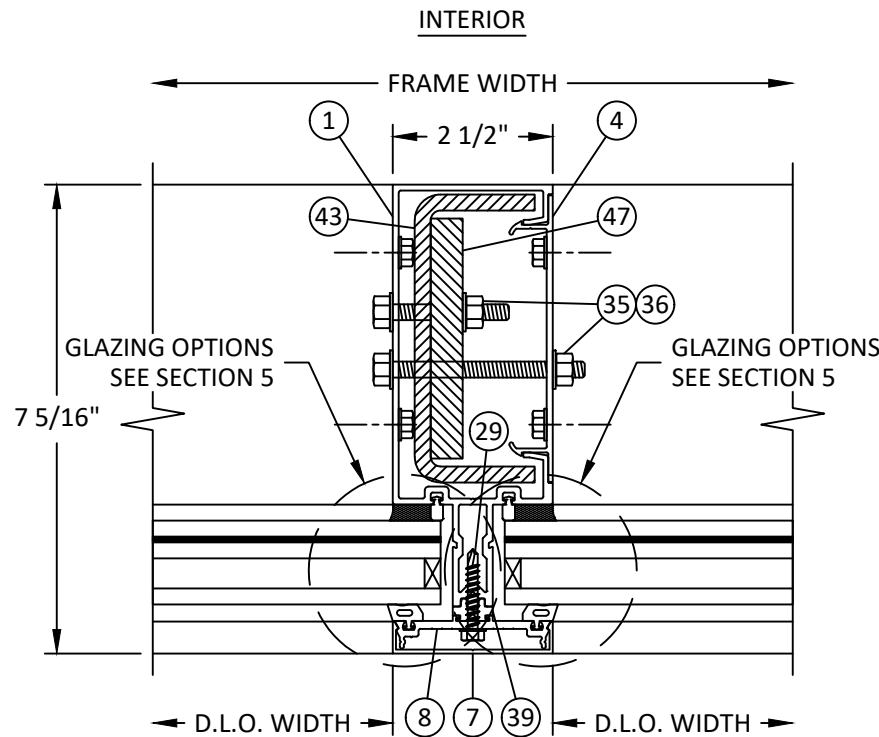
A **HORIZONTAL SECTION**
4.0 **FRAME JAMB**



B **HORIZONTAL SECTION**
4.0 **SSG VERTICAL MULLION**



C **HORIZONTAL SECTION**
4.0 **CAPTURED VERTICAL MULLION**



D **HORIZONTAL SECTION**
4.0 **CAPTURED VERTICAL MULLION
STEEL REINFORCED**



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HORIZONTAL SECTIONS

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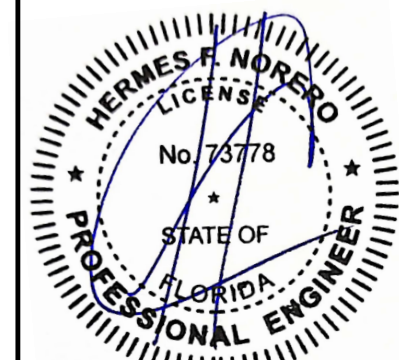


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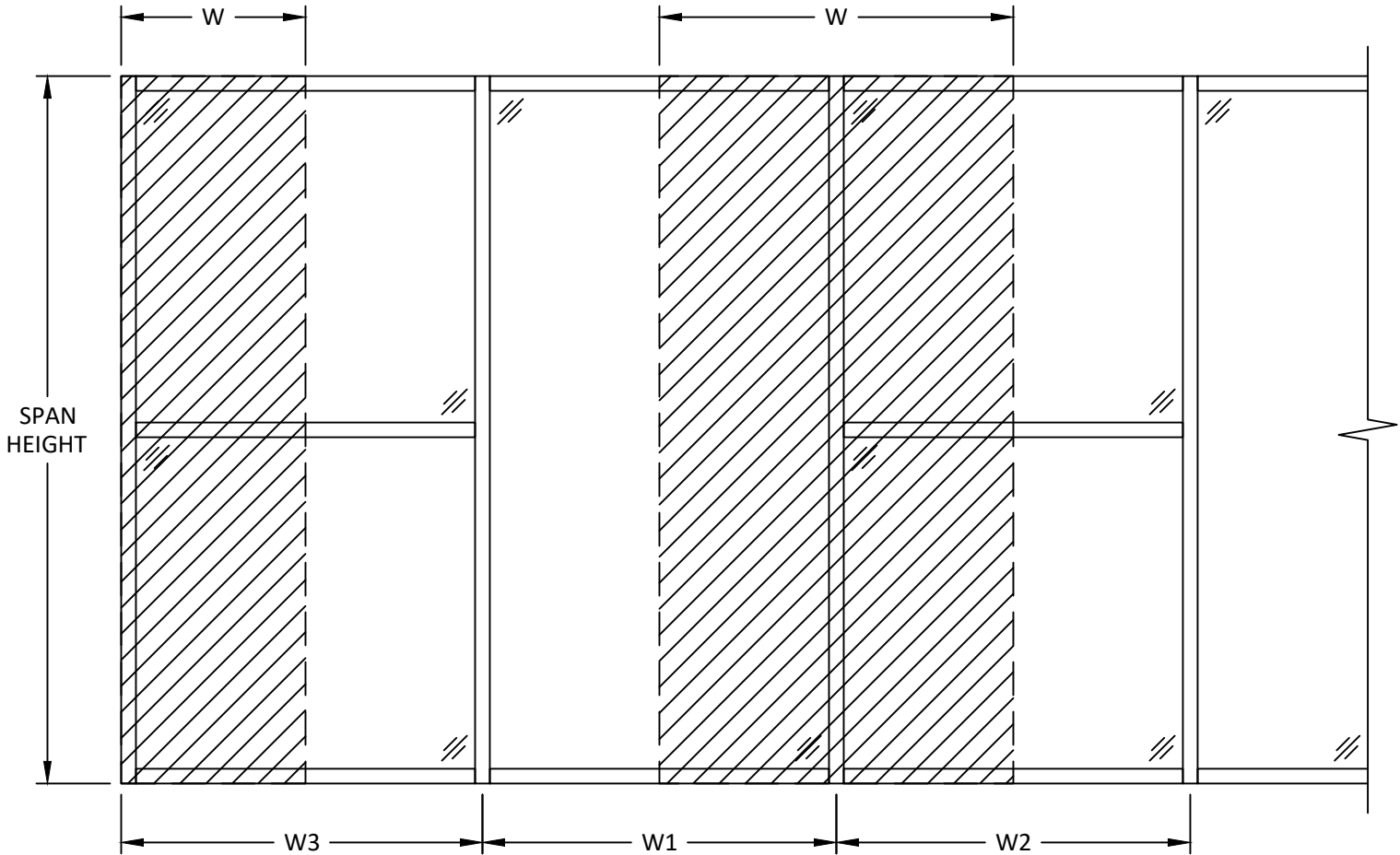
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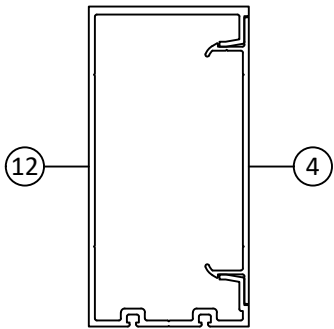
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[SHEET 4 OF 17]

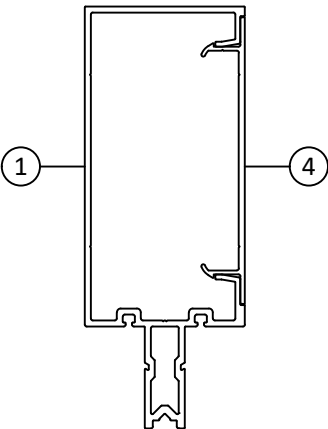


MULLION TRIBUTARY WIDTH (W) = $\frac{W1 + W2}{2}$

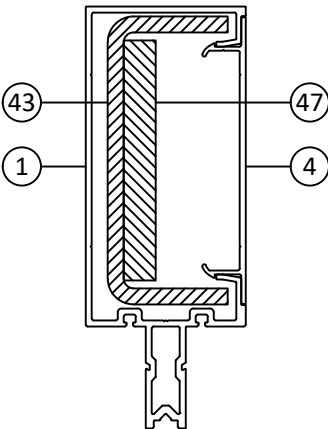
JAMB TRIBUTARY WIDTH (W) = $\frac{W3}{2}$



MULLION M1
SSG MULLION



JAMB J1 / MULLION M2
CAPTURED MULLION



MULLION M3
CAPTURED MULLION -
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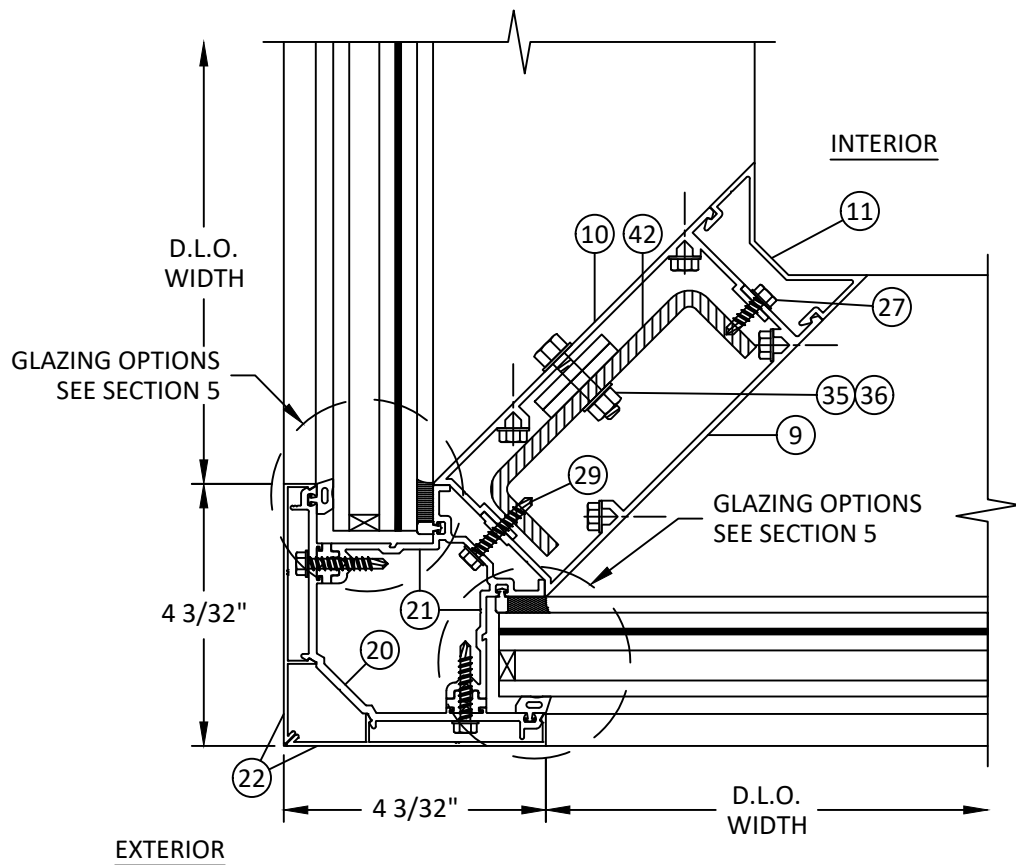
CHK. BY: **HFN**

SCALE: **NTS**

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SECTION: **4.1**

[SHEET 5 OF 17]



A
4.2 **HORIZONTAL SECTION**
90° OUTSIDE CORNER



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HORIZONTAL SECTIONS

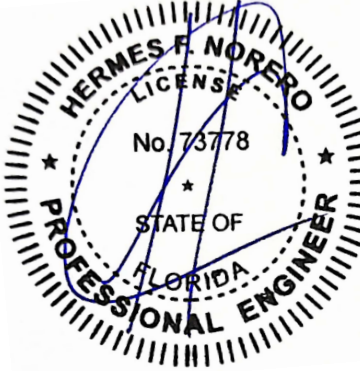
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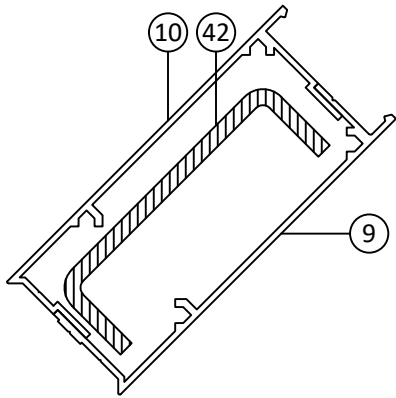
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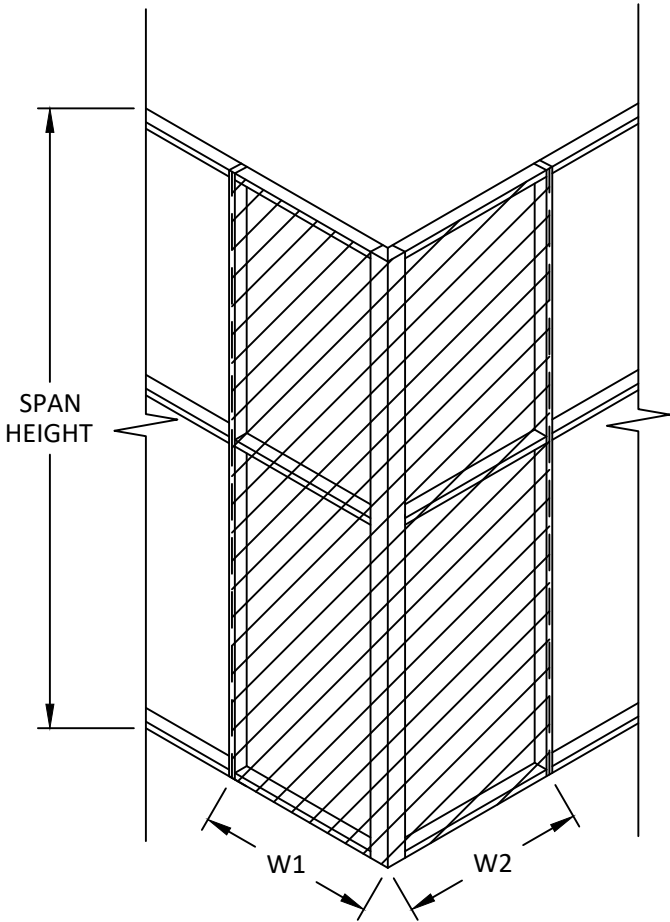


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DWG. #:	OBE022	
SECTION:	4.2 [SHEET 6 OF 17]	



MULLION M4
CORNER MULLION -
STEEL REINFORCED



CORNER MULLION TRIBUTARY WIDTH (W) = $\frac{W1 + W2}{2}$



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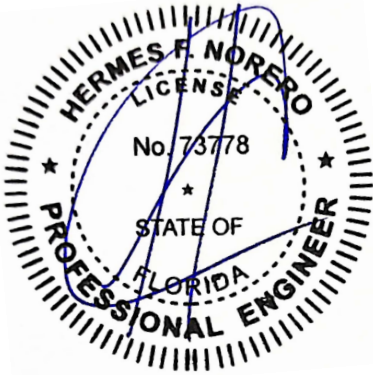
HORIZONTAL SECTIONS

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SCALE: **NTS**

DWG. #: **OBE022**

SECTION:

4.3
[SHEET 7 OF 17]

JAMB & MULLIONS CAPACITIES

JAMB & MULLION DESIGN PRESSURE TABLE (PSF)					
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	J1	M1	M2	M3/M4
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
60	60	80.0	80.0	65.0	80.0
	66	80.0	80.0	65.0	80.0
	72	80.0	80.0	65.0	80.0
	78	80.0	80.0	65.0	80.0
	84	80.0	80.0	65.0	80.0
	90	80.0	80.0	-	80.0
	96	80.0	80.0	-	80.0
	102	80.0	80.0	-	80.0
66	60	80.0	80.0	65.0	80.0
	66	80.0	80.0	65.0	80.0
	72	80.0	80.0	65.0	80.0
	78	80.0	80.0	65.0	80.0
	84	80.0	80.0	-	80.0
	90	80.0	80.0	-	80.0
72	60	80.0	80.0	65.0	80.0
	66	80.0	80.0	65.0	80.0
	72	80.0	80.0	65.0	80.0
	78	80.0	80.0	-	80.0
	84	80.0	80.0	-	80.0
78	60	80.0	80.0	65.0	80.0
	66	80.0	80.0	65.0	80.0
	72	80.0	80.0	-	80.0
	78	80.0	80.0	-	80.0
84	60	80.0	80.0	65.0	80.0
	66	80.0	80.0	-	80.0
	72	80.0	80.0	-	80.0
90	48	80.0	80.0	65.0	80.0
	51	80.0	80.0	65.0	80.0
	54	80.0	80.0	65.0	80.0
	57	80.0	80.0	65.0	80.0
	60	80.0	80.0	-	80.0
	66	80.0	80.0	-	80.0
96	48	80.0	80.0	65.0	80.0
	51	80.0	80.0	65.0	80.0
	54	80.0	80.0	65.0	80.0
	57	80.0	80.0	-	80.0
	60	80.0	80.0	-	80.0
	63	80.0	80.0	-	80.0

JAMB & MULLION DESIGN PRESSURE TABLE (PSF)					
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	J1	M1	M2	M3/M4
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
102	48	80.0	80.0	65.0	80.0
	51	80.0	80.0	-	80.0
	54	80.0	80.0	-	80.0
	57	80.0	80.0	-	80.0
	60	80.0	80.0	-	80.0
	60	80.0	80.0	65.0	80.0
108	48	80.0	80.0	-	80.0
	51	80.0	80.0	-	80.0
	54	80.0	80.0	-	80.0
	57	80.0	80.0	-	80.0
	60	80.0	80.0	-	80.0
120	48	80.0	80.0	-	80.0
	51	80.0	80.0	-	80.0
	54	80.0	80.0	-	80.0
	57	80.0	80.0	-	80.0
	60	80.0	80.0	-	80.0
126	48	80.0	80.0	-	80.0
	51	80.0	80.0	-	80.0
	54	80.0	80.0	-	80.0
	57	80.0	80.0	-	80.0
	60	80.0	-	-	80.0
132	48	80.0	80.0	-	80.0
	51	80.0	80.0	-	80.0
	54	80.0	80.0	-	80.0
	57	80.0	-	-	80.0
138	48	80.0	80.0	-	80.0
	51	80.0	80.0	-	80.0
	54	80.0	-	-	80.0
	57	80.0	-	-	80.0
	60	80.0	-	-	80.0
144	48	80.0	80.0	-	80.0
	51	80.0	-	-	80.0
	54	80.0	-	-	80.0
	57	80.0	-	-	80.0
150	48	80.0	80.0	-	80.0
	51	80.0	-	-	80.0
	57	80.0	-	-	80.0
	60	80.0	-	-	80.0



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HORIZONTAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, 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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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 295578

FL #: **FL48356**

DATE: **05.20.2026**

DWG. BY:
MS

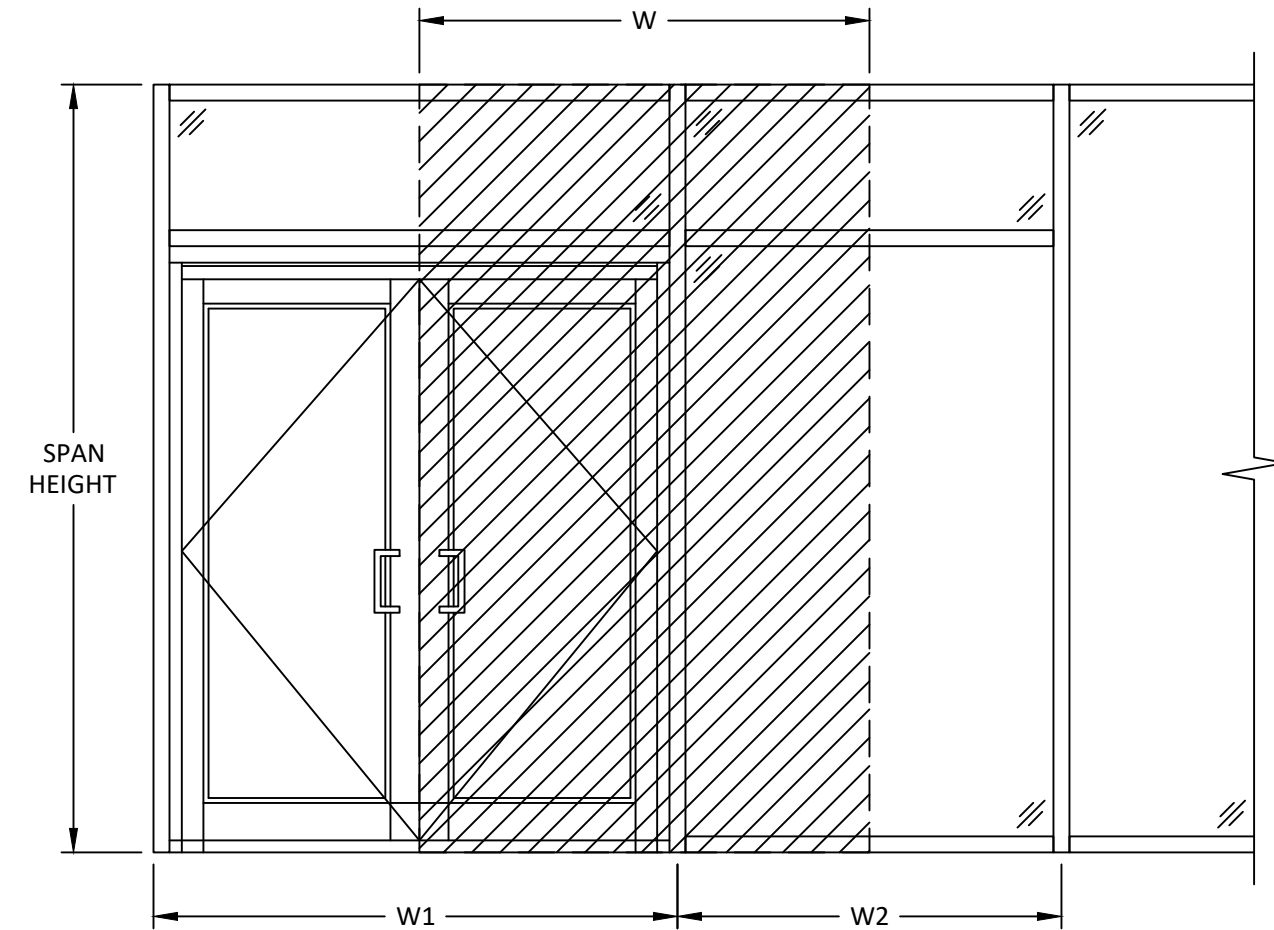
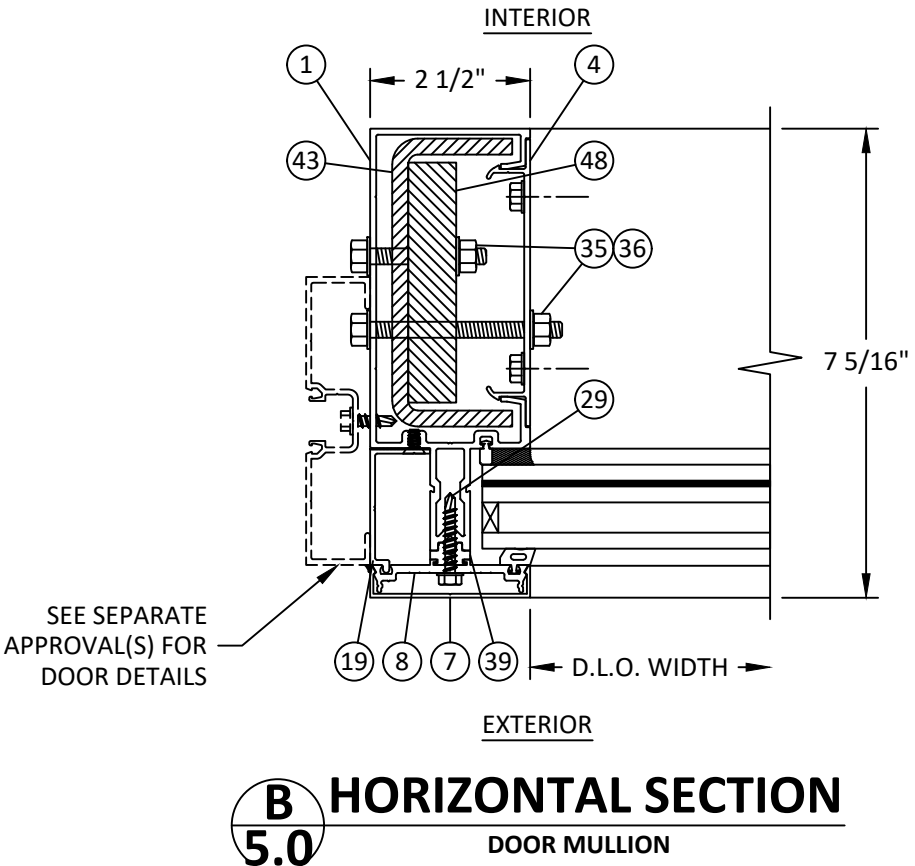
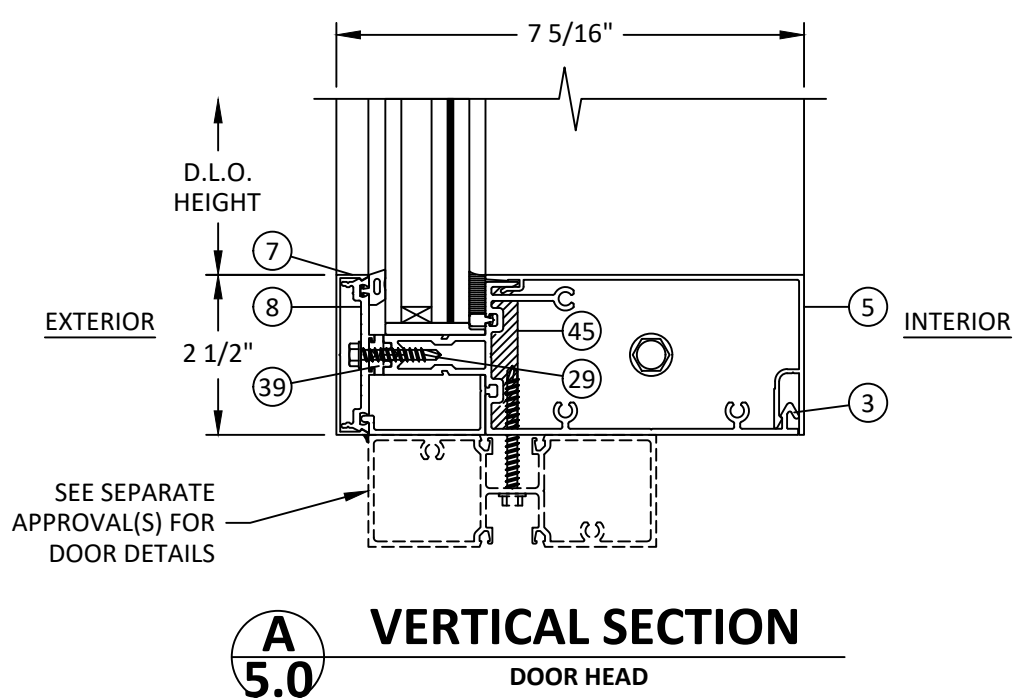
CHK. BY:
HFN

SCALE: **NTS**

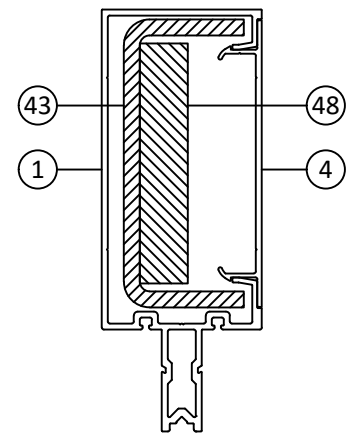
DWG. #: **OBE022**

SECTION:
4.4
[SHEET 8 OF 17]

c:\users\mengqium\building drops, inc\building drops landing - common\projects\oldcastle building envelope\bc-26-0120 - coral industries - pw257 curtain wall system\dwgs\obe022.dwg 8/6/2026 12:32 PM



DOOR MULLION TRIBUTARY WIDTH (W) = $\frac{W1 + W2}{2}$



MULLION M5
DOOR MULLION -
STEEL REINFORCED



OLDCASTLE BUILDINGENVELOPE®
8655 ELM FAIR BLVD.
TAMPA, FL 33610
PH: (972) 551-6100

TITLE:

PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)

DOOR SECTION DETAILS

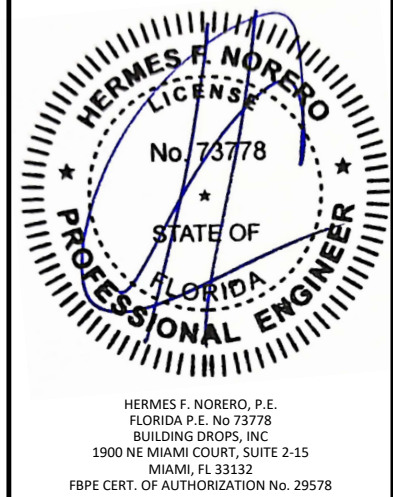
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FAX: (954) 744-4738
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B.D.
BUILDING DROPS

REMARKS	BY	DATE

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FL #: **FL48356**

DATE: **05.20.2026**

DWG. BY: MS	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

DWG. #: **OBE022**

SECTION:
5.0
[SHEET 9 OF 17]

DOOR MULLION CAPACITY

DESIGN PRESSURE TABLE (PSF)		
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	M5
		EXT. (+) INT. (-)
80	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
84	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
90	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
96	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
102	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0

DESIGN PRESSURE TABLE (PSF)		
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	M5
		EXT. (+) INT. (-)
108	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
114	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	80.0
120	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	80.0
	93	80.0
	96	-
126	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	80.0
	90	-
	93	-
	96	-

DESIGN PRESSURE TABLE (PSF)		
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	M5
		EXT. (+) INT. (-)
132	75.5	80.0
	78	80.0
	81	80.0
	84	80.0
	87	-
	90	-
	93	-
	96	-
138	75.5	80.0
	78	80.0
	81	80.0
	84	-
	87	-
	90	-
	93	-
	96	-
144	75.5	80.0
	78	80.0
	81	-
	84	-
	87	-
	90	-
	93	-
	96	-
150	75.5	80.0
	78	-
	81	-
	84	-
	87	-
	90	-
	93	-
	96	-



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TAMPA, FL 33610
PH: (972) 551-6100

TITLE:
PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)

DOOR SECTION DETAILS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, 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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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48356**

DATE: **05.20.2026**

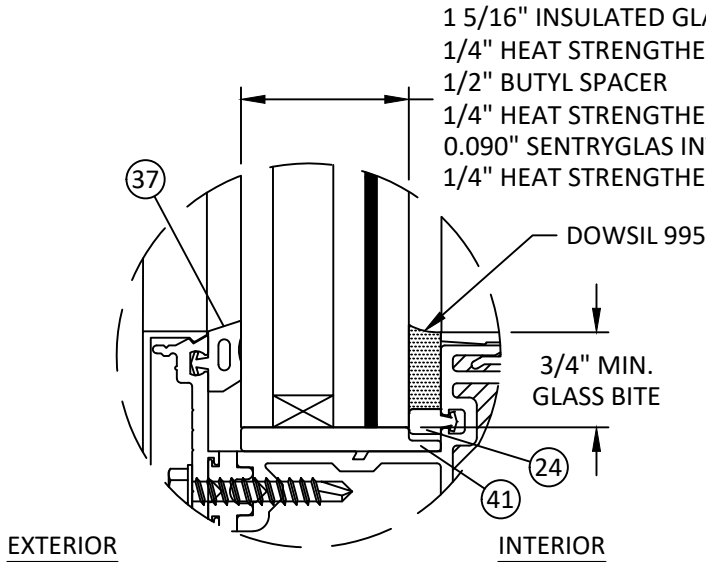
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

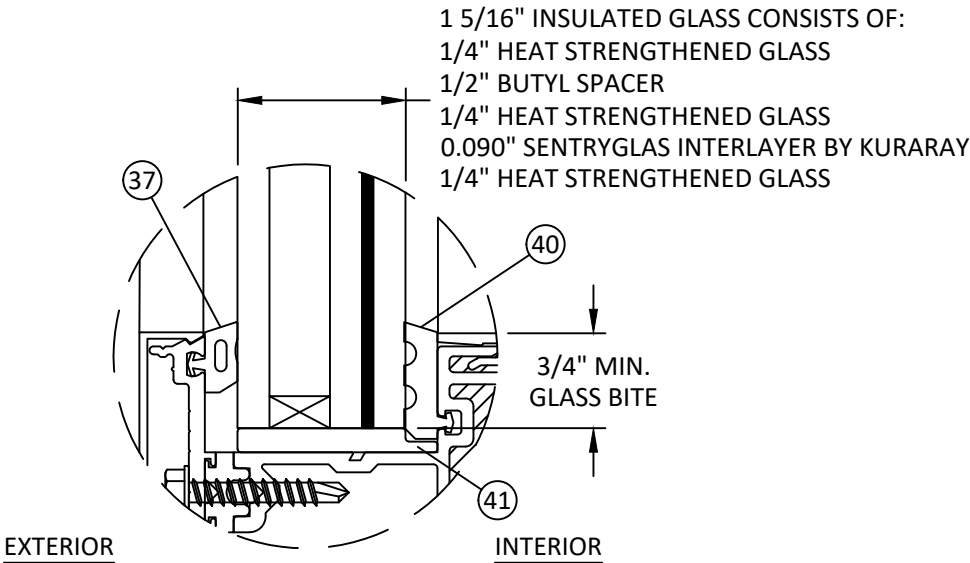
DWG. #: **OBE022**

SECTION: **5.1**

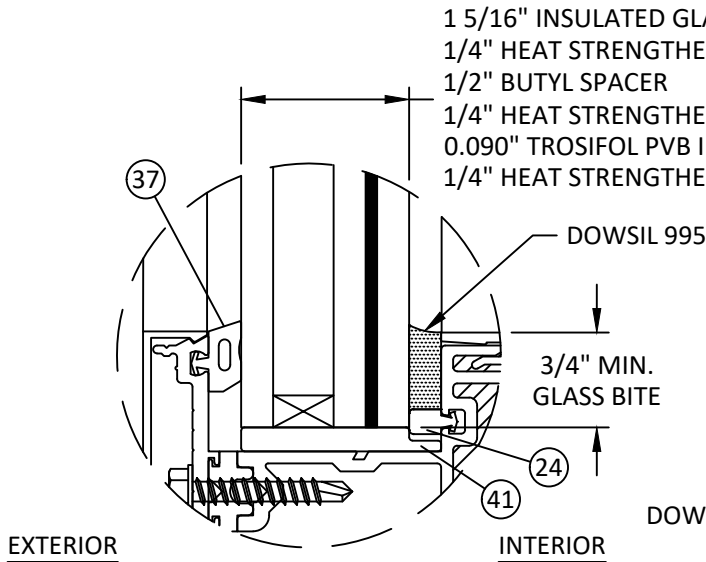
[SHEET 10 OF 17]



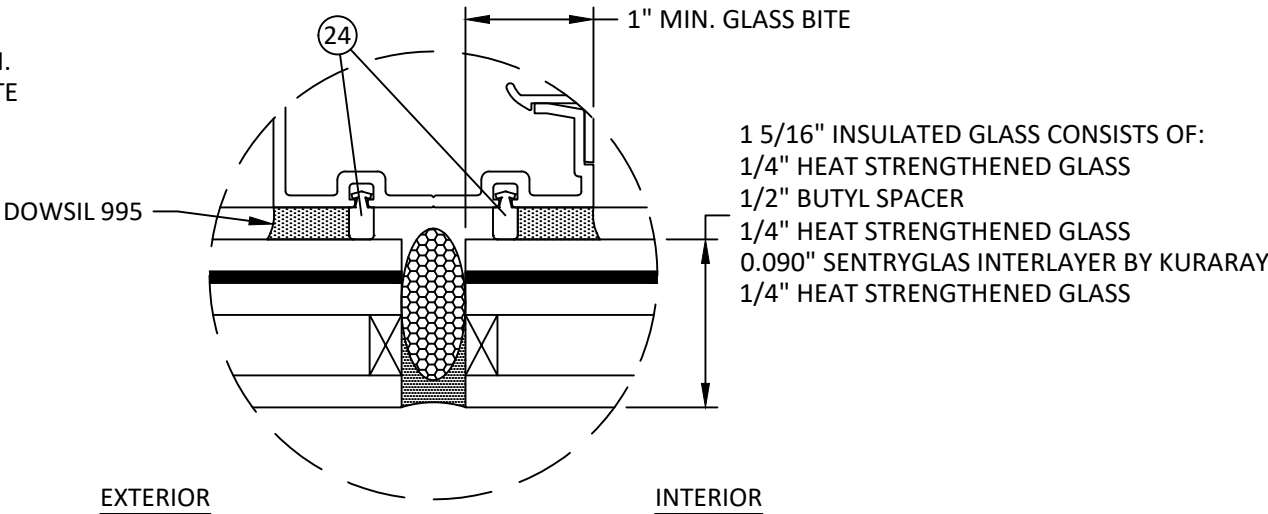
GLAZING DETAIL G1
WET GLAZED



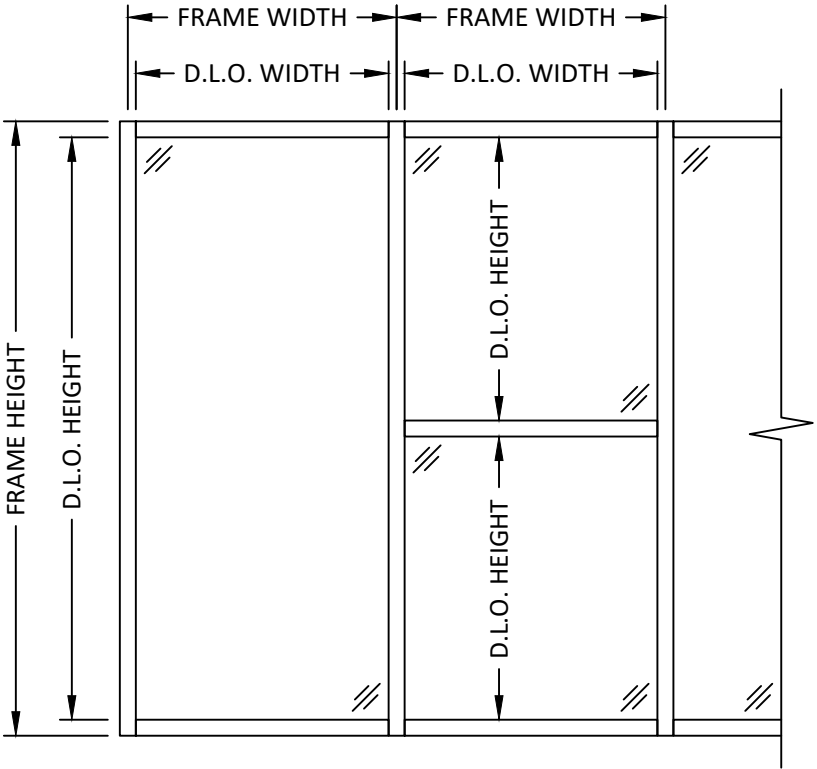
GLAZING DETAIL G2
DRY GLAZED



GLAZING DETAIL G3
WET GLAZED



GLAZING DETAIL G4
SSG



D.L.O. WIDTH = FRAME WIDTH - 2.5"
D.L.O. HEIGHT = FRAME HEIGHT - 5"

GLAZING NOTES:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN THE DESIGN PRESSURE TABLES.



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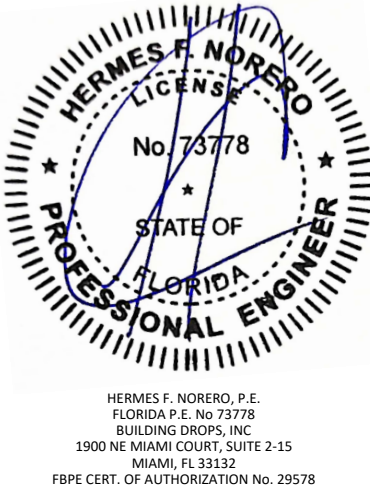
TITLE: PW-257 STORMMAX CURTAIN WALL SYSTEM (HVHZ) (IMPACT) GLAZING DETAILS

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FL #: FL48356

DATE: 05.20.2026

DWG. BY: MS CHK. BY: HFN

SCALE: NTS

DWG. #: OBE022

SECTION: 6.0

[SHEET 11 OF 17]

GLASS CAPACITY

DESIGN PRESSURE TABLE (PSF)				
D.L.O. HEIGHT (INCH)	D.L.O. WIDTH (INCH)	G1/G2	G3	G4
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
55	45.5	80.0	65.0	80.0
	48.5	80.0	61.0	75.1
	51.5	80.0	57.4	70.7
	54.5	80.0	54.3	66.8
	57.5	80.0	53.8	66.2
	66.5	80.0	53.8	66.2
	78.5	80.0	-	66.2
	99.5	80.0	-	-
61	45.5	80.0	65.0	80.0
	48.5	80.0	61.0	75.1
	51.5	80.0	57.4	70.7
	54.5	80.0	54.3	66.8
	57.5	80.0	51.4	63.3
	60.5	76.0	48.9	60.2
	69.5	75.4	-	59.7
	87.5	75.4	-	-
67	45.5	80.0	65.0	80.0
	48.5	80.0	61.0	75.1
	51.5	80.0	57.4	70.7
	54.5	80.0	54.3	66.8
	57.5	80.0	-	63.3
	60.5	76.0	-	60.2
	63.5	72.4	-	57.3
	66.5	69.2	-	-
	69.5	68.7	-	-
	81.5	68.7	-	-
73	45.5	80.0	65.0	80.0
	48.5	80.0	61.0	75.1
	51.5	80.0	57.4	70.7
	54.5	80.0	-	66.8
	57.5	80.0	-	63.3
	60.5	76.0	-	-
	63.5	72.4	-	-
	66.5	69.2	-	-
	69.5	66.2	-	-
	72.5	63.4	-	-
79	45.5	80.0	65.0	80.0
	48.5	80.0	-	75.1
	51.5	80.0	-	70.7
	54.5	80.0	-	66.8
	57.5	80.0	-	-
	60.5	76.0	-	-
	63.5	72.4	-	-
	66.5	69.2	-	-
	69.5	66.2	-	-
	85	66.2	-	-
85	42.5	80.0	65.0	80.0
	45.5	80.0	-	80.0
	48.5	80.0	-	75.1
	57.5	80.0	-	-
	60.5	76.0	-	-
	63.5	72.4	-	-

DESIGN PRESSURE TABLE (PSF)				
D.L.O. HEIGHT (INCH)	D.L.O. WIDTH (INCH)	G1/G2	G3	G4
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
91	39.5	80.0	65.0	80.0
	45.5	80.0	-	80.0
	57.5	80.0	-	-
	60.5	76.0	-	-
97	36.5	80.0	65.0	80.0
	42.5	80.0	-	80.0
	54.5	80.0	-	-
103	36.5	80.0	65.0	80.0
	39.5	80.0	-	80.0
	51.5	80.0	-	-
109	33.5	80.0	65.0	80.0
	39.5	80.0	-	80.0
	48.5	80.0	-	-
115	30.5	80.0	65.0	80.0
	33.5	80.0	-	80.0
	36.5	80.0	-	80.0
	39.5	80.0	-	-
121	42.5	80.0	-	-
	45.5	80.0	-	-
	30.5	80.0	65.0	80.0
	33.5	80.0	-	80.0
127	36.5	80.0	-	-
	39.5	80.0	-	-
	42.5	80.0	-	-
	45.5	80.0	-	-
	27.5	80.0	65.0	80.0
133	30.5	80.0	-	80.0
	33.5	80.0	-	80.0
	36.5	80.0	-	-
	39.5	80.0	-	-
	42.5	80.0	-	-
139	24.5	80.0	65.0	80.0
	27.5	80.0	-	80.0
	30.5	80.0	-	80.0
	33.5	80.0	-	-
	36.5	80.0	-	-
145	39.5	80.0	-	-
	24.5	80.0	65.0	80.0
	27.5	80.0	-	80.0
	30.5	80.0	-	-
	33.5	80.0	-	-
	36.5	80.0	-	-



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TITLE:
PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)
GLAZING DETAILS

PREPARED BY:
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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48356**

DATE: **05.20.2026**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OBE022**

SECTION: **6.1**

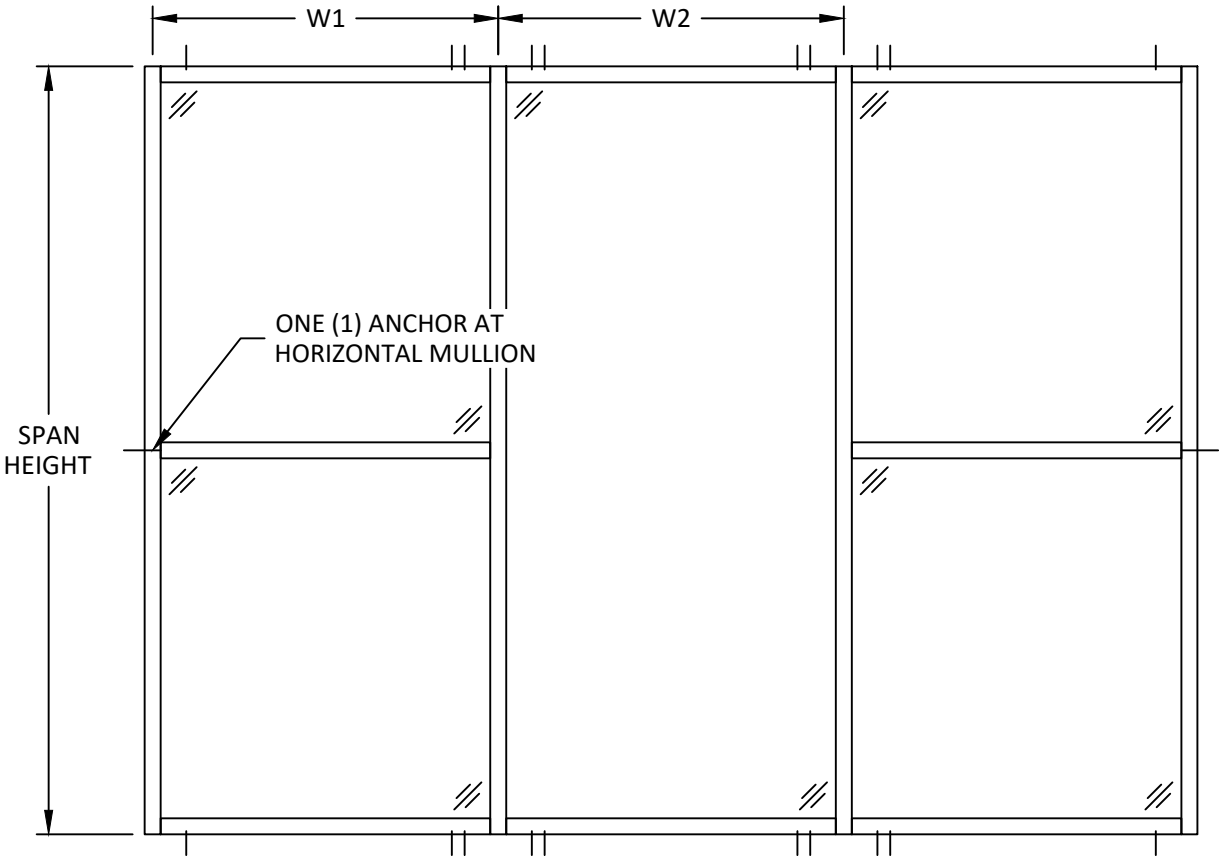
[SHEET 12 OF 17]

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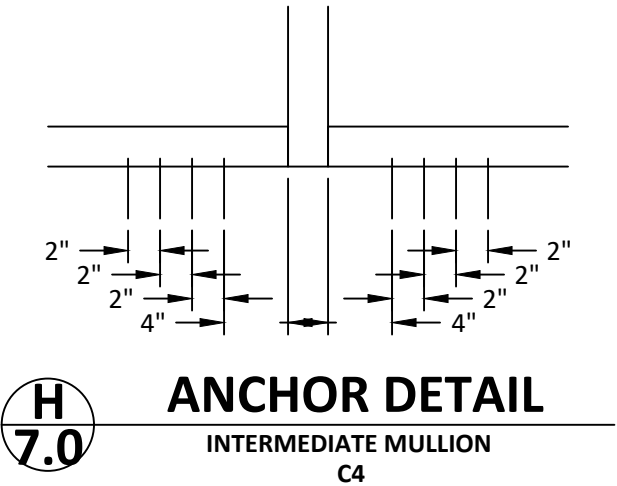
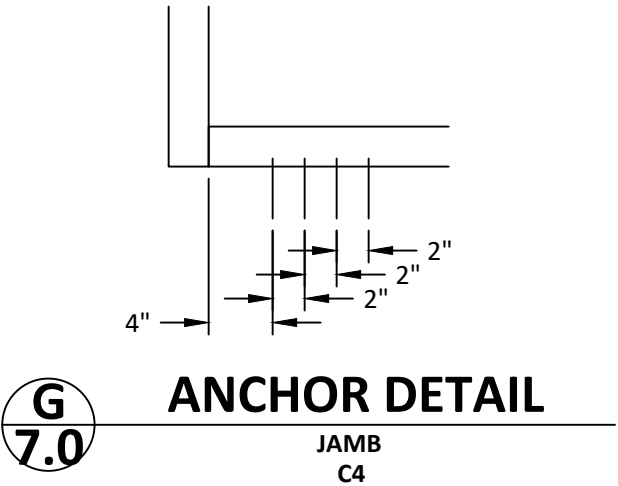
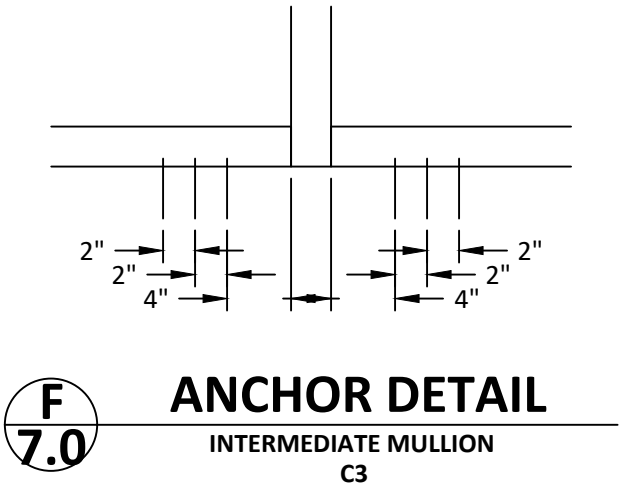
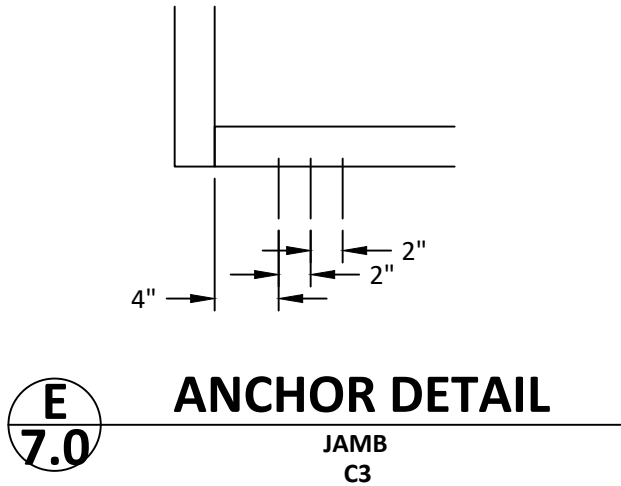
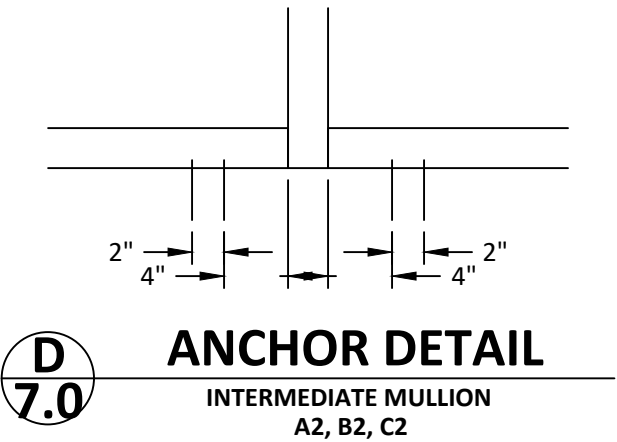
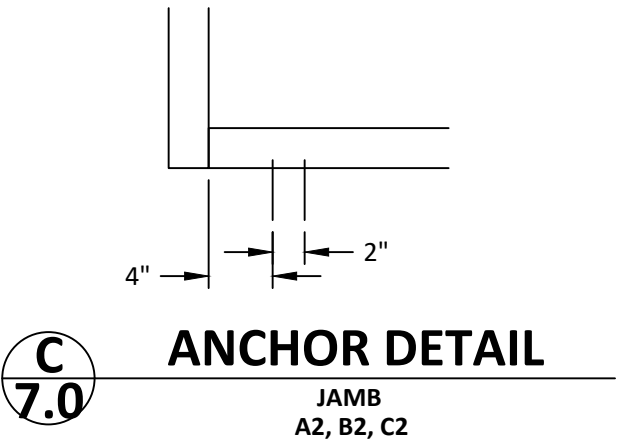
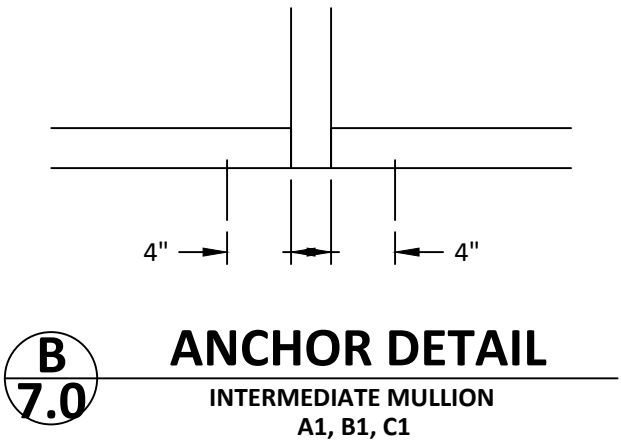
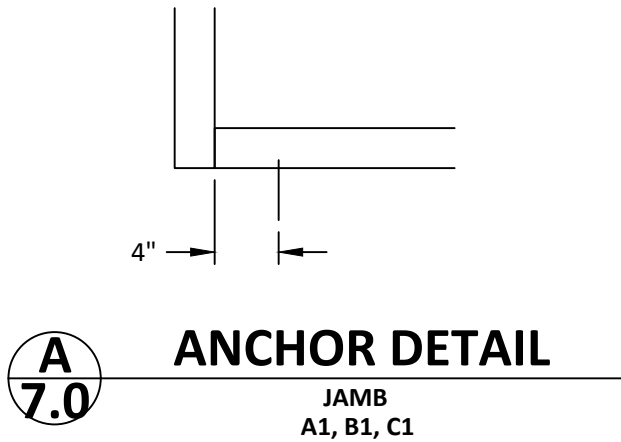
ANCHOR SCHEDULE					
TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
A	1/2"	GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	MIN. 16 GA. STEEL, MIN. Fy = 33 KSI	3 THREADS MIN. ENGAGEMENT	3/4"
B	1/2"	HILTI KWIK BOLT TZ2	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	3-3/4"	6"
C	1/2"	LAG SCREW	2X WOOD, MIN. S.G. = 0.55	2"	1-1/2"

- NOTE:
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE LIMITATIONS IN THIS APPROVAL AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - REFER TO ANCHOR LAYOUTS AND DETAILS FOR ANCHOR QUANTITY AND LOCATIONS.
 - FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.

TRIBUTARY WIDTH FOR ANCHORS AT JAMBS	W1
TRIBUTARY WIDTH FOR ANCHORS AT INTERMEDIATE MULLION	$\frac{W1 + W2}{2}$



ANCHOR LAYOUT
TYPICAL



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(HVHZ) (IMPACT)

ANCHOR DETAILS

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FL #: FL48356

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DWG. BY: MS

CHK. BY: HFN

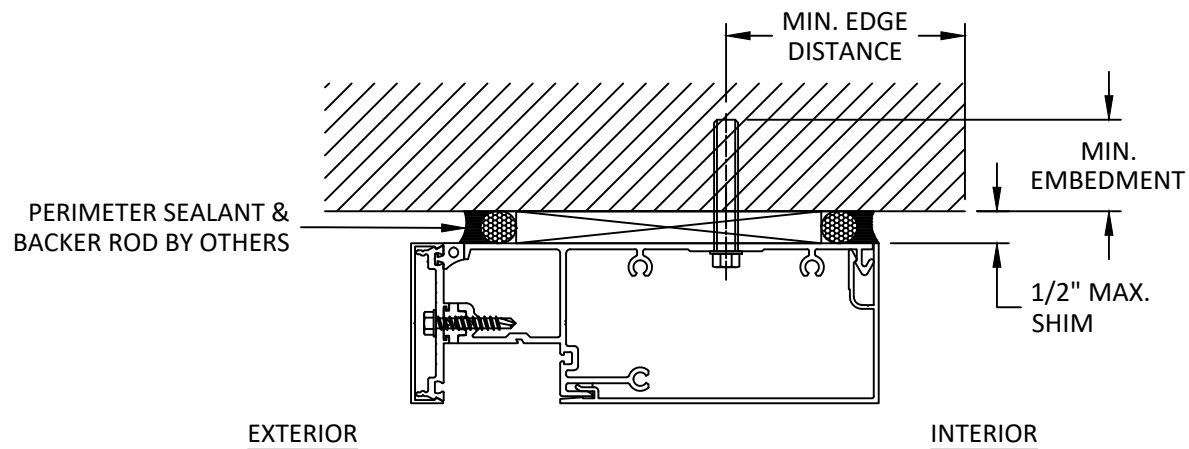
SCALE: NTS

DWG. #: OBE022

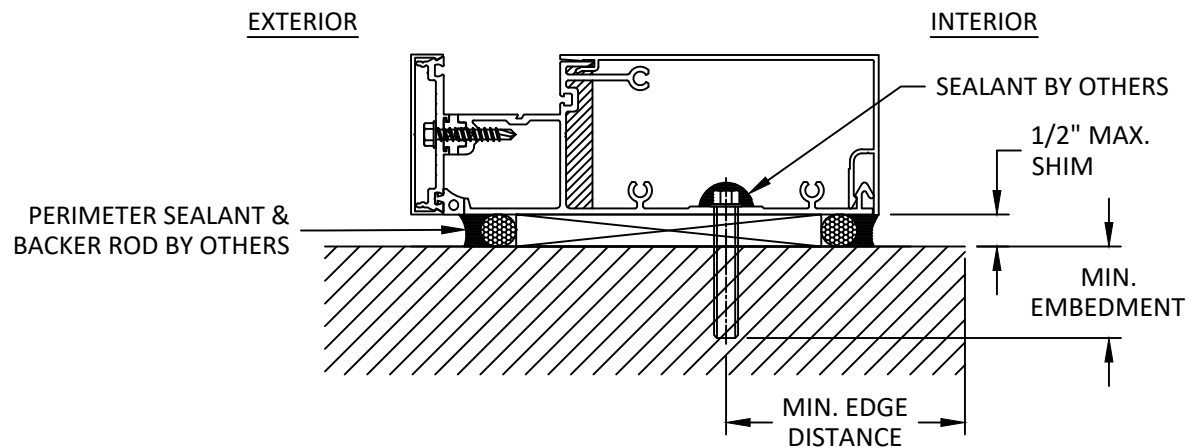
SECTION: 7.0

[SHEET 13 OF 17]

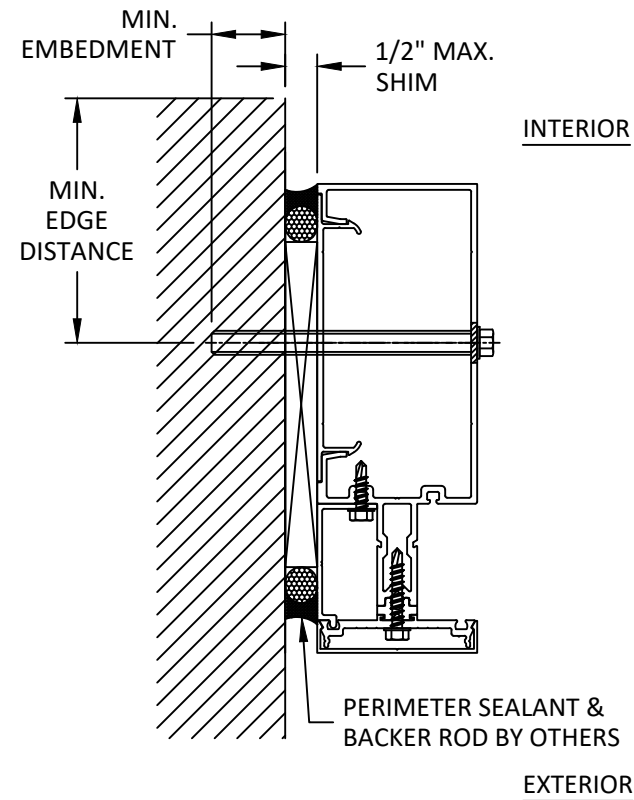
c:\users\mengqsum\building drops, inc\building drops landing - common\projects\oldcastle building envelope\lbc-26-0120 - coral industries - pw257 curtain wall system\dwgs\obe022.dwg 8/6/2026 12:32 PM



A INSTALLATION DETAILS
7.1 FRAME HEAD



B INSTALLATION DETAILS
7.1 FRAME SILL



C INSTALLATION DETAILS
7.1 FRAME JAMB

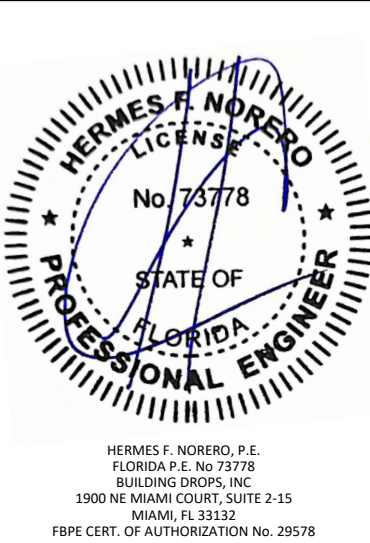


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MS	HFN
SCALE:	NTS
DWG. #:	OBE022
SECTION:	7.1
[SHEET 14 OF 17]	

ANCHOR CAPACITIES

ANCHOR DESIGN PRESSURE TABLE (PSF)									
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	TYPE 'A'		TYPE 'B'		TYPE 'C'			
		EXT. (+) INT. (-)		EXT. (+) INT. (-)		EXT. (+) INT. (-)			
		A1	A2	B1	B2	C1	C2	C3	C4
60	60	80.0	80.0	80.0	80.0	35.6	71.2	80.0	80.0
	66	80.0	80.0	80.0	80.0	32.4	64.7	80.0	80.0
	72	80.0	80.0	80.0	80.0	29.7	59.3	80.0	80.0
	78	80.0	80.0	74.8	80.0	27.4	54.8	80.0	80.0
	84	80.0	80.0	69.4	80.0	25.4	50.8	76.3	80.0
	90	77.2	80.0	64.8	80.0	23.7	47.5	71.2	80.0
	96	72.4	80.0	60.7	80.0	22.2	44.5	66.7	80.0
	102	68.1	80.0	57.2	80.0	20.9	41.9	62.8	80.0
66	60	80.0	80.0	80.0	80.0	32.4	64.7	80.0	80.0
	66	80.0	80.0	80.0	80.0	29.4	58.8	80.0	80.0
	72	80.0	80.0	73.6	80.0	27.0	53.9	80.0	80.0
	78	80.0	80.0	68.0	80.0	24.9	49.8	74.7	80.0
	84	75.2	80.0	63.1	80.0	23.1	46.2	69.3	80.0
	90	70.2	80.0	58.9	80.0	21.6	43.1	64.7	80.0
72	60	80.0	80.0	80.0	80.0	29.7	59.3	80.0	80.0
	66	80.0	80.0	73.6	80.0	27.0	53.9	80.0	80.0
	72	80.0	80.0	67.5	80.0	24.7	49.4	74.1	80.0
	78	74.2	80.0	62.3	80.0	22.8	45.6	68.4	80.0
	84	68.9	80.0	57.8	80.0	21.2	42.4	63.6	80.0
78	60	80.0	80.0	74.8	80.0	27.4	54.8	80.0	80.0
	66	80.0	80.0	68.0	80.0	24.9	49.8	74.7	80.0
	72	74.2	80.0	62.3	80.0	22.8	45.6	68.4	80.0
	78	68.5	80.0	57.5	80.0	21.1	42.1	63.2	80.0
84	60	80.0	80.0	69.4	80.0	25.4	50.8	76.3	80.0
	66	75.2	80.0	63.1	80.0	23.1	46.2	69.3	80.0
	72	68.9	80.0	57.8	80.0	21.2	42.4	63.6	80.0
90	48	80.0	80.0	80.0	80.0	29.7	59.3	80.0	80.0
	51	80.0	80.0	76.2	80.0	27.9	55.8	80.0	80.0
	54	80.0	80.0	72.0	80.0	26.4	52.7	79.1	80.0
	57	80.0	80.0	68.2	80.0	25.0	50.0	74.9	80.0
	60	77.2	80.0	64.8	80.0	23.7	47.5	71.2	80.0
	66	70.2	80.0	58.9	80.0	21.6	43.1	64.7	80.0
	72	60.0	80.0	50.0	80.0	18.0	36.0	50.0	80.0
96	48	80.0	80.0	75.9	80.0	27.8	55.6	80.0	80.0
	51	80.0	80.0	71.5	80.0	26.2	52.3	78.5	80.0
	54	80.0	80.0	67.5	80.0	24.7	49.4	74.1	80.0
	57	76.2	80.0	63.9	80.0	23.4	46.8	70.2	80.0
	60	72.4	80.0	60.7	80.0	22.2	44.5	66.7	80.0
	63	68.9	80.0	57.8	80.0	21.2	42.4	63.6	80.0
	72	50.0	80.0	40.0	80.0	15.0	30.0	40.0	80.0

ANCHOR DESIGN PRESSURE TABLE (PSF)									
SPAN HEIGHT (INCH)	TRIBUTARY WIDTH (INCH)	TYPE 'A'		TYPE 'B'		TYPE 'C'			
		EXT. (+) INT. (-)		EXT. (+) INT. (-)		EXT. (+) INT. (-)			
		A1	A2	B1	B2	C1	C2	C3	C4
102	48	80.0	80.0	71.5	80.0	26.2	52.3	78.5	80.0
	51	80.0	80.0	67.3	80.0	24.6	49.3	73.9	80.0
	54	75.7	80.0	63.5	80.0	23.3	46.5	69.8	80.0
	57	71.7	80.0	60.2	80.0	22.0	44.1	66.1	80.0
	60	68.1	80.0	57.2	80.0	20.9	41.9	62.8	80.0
	72	50.0	80.0	40.0	80.0	15.0	30.0	40.0	80.0
108	48	80.0	80.0	67.5	80.0	24.7	49.4	74.1	80.0
	51	75.7	80.0	63.5	80.0	23.3	46.5	69.8	80.0
	54	71.5	80.0	60.0	80.0	22.0	43.9	65.9	80.0
	57	67.7	80.0	56.8	80.0	20.8	41.6	62.4	80.0
114	60	64.3	80.0	54.0	80.0	19.8	39.5	59.3	79.1
	48	76.2	80.0	63.9	80.0	23.4	46.8	70.2	80.0
	51	71.7	80.0	60.2	80.0	22.0	44.1	66.1	80.0
	54	67.7	80.0	56.8	80.0	20.8	41.6	62.4	80.0
	57	64.2	80.0	53.8	80.0	19.7	39.4	59.2	78.9
120	60	61.0	80.0	51.1	80.0	18.7	37.5	56.2	74.9
	48	72.4	80.0	60.7	80.0	22.2	44.5	66.7	80.0
	51	68.1	80.0	57.2	80.0	20.9	41.9	62.8	80.0
	54	64.3	80.0	54.0	80.0	19.8	39.5	59.3	79.1
	57	61.0	80.0	51.1	80.0	18.7	37.5	56.2	74.9
	60	57.9	80.0	48.6	80.0	17.8	35.6	53.4	71.2
126	48	68.9	80.0	57.8	80.0	21.2	42.4	63.6	80.0
	51	64.9	80.0	54.4	80.0	19.9	39.9	59.8	79.8
	54	61.3	80.0	51.4	80.0	18.8	37.7	56.5	75.3
	57	58.1	80.0	48.7	80.0	17.8	35.7	53.5	71.4
132	60	55.1	80.0	46.3	80.0	16.9	33.9	50.8	67.8
	48	65.8	80.0	55.2	80.0	20.2	40.4	60.7	80.0
	51	61.9	80.0	52.0	80.0	19.0	38.1	57.1	76.1
	54	58.5	80.0	49.1	80.0	18.0	35.9	53.9	71.9
	57	55.4	80.0	46.5	80.0	17.0	34.1	51.1	68.1
	60	52.6	80.0	44.2	80.0	16.2	32.4	48.5	64.7
138	48	62.9	80.0	52.8	80.0	19.3	38.7	58.0	77.4
	51	59.2	80.0	49.7	80.0	18.2	36.4	54.6	72.8
	54	55.9	80.0	46.9	80.0	17.2	34.4	51.6	68.8
	57	53.0	80.0	44.5	80.0	16.3	32.6	48.9	65.2
144	60	50.4	80.0	42.3	80.0	15.5	30.9	46.4	61.9
	48	60.3	80.0	50.6	80.0	18.5	37.1	55.6	74.1
	51	56.8	80.0	47.6	80.0	17.4	34.9	52.3	69.8
	54	53.6	80.0	45.0	80.0	16.5	33.0	49.4	65.9
	57	50.8	80.0	42.6	80.0	15.6	31.2	46.8	62.4
	60	48.3	80.0	40.5	80.0	-	29.7	44.5	59.3
150	48	57.9	80.0	48.6	80.0	17.8	35.6	53.4	71.2
	51	54.5	80.0	45.7	80.0	16.7	33.5	50.2	67.0
	54	51.5	80.0	43.2	80.0	15.8	31.6	47.5	63.3
	57	48.8	80.0	40.9	80.0	-	30.0	45.0	59.9
	60	46.3	80.0	38.9	77.7	-	28.5	42.7	56.9



OLDCASTLE BUILDINGENVELOPE®
8655 ELM FAIR BLVD.
TAMPA, FL 33610
PH: (972) 551-6100

TITLE:
PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)
ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, 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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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48356**

DATE: **05.20.2026**

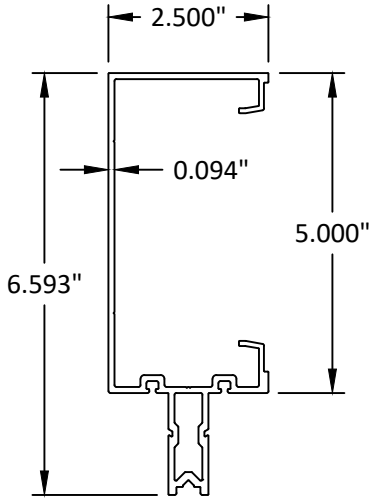
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

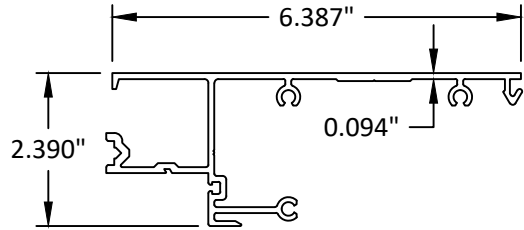
DWG. #: **OBE022**

SECTION:
7.2
[SHEET 15 OF 17]

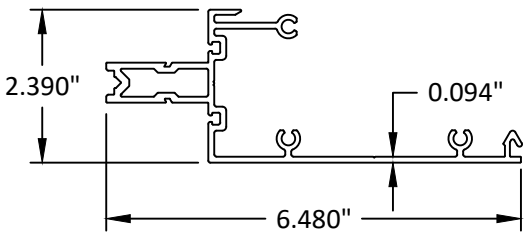
BILL OF MATERIALS			
ITEM #	PART #	DESCRIPTION	MATERIAL
1	COR-1000	FRAME, VERTICAL MULLION	6063-T6 ALUMINUM
2	COR-1001	FRAME, STANDARD HEAD/SILL	6063-T6 ALUMINUM
3	COR-1002	FRAME, STANDARD HORIZONTAL MULLION	6063-T6 ALUMINUM
4	COR-1004	SNAP CLOSURE AT VERTICAL MULLION	6063-T6 ALUMINUM
5	COR-1005	SNAP CLOSURE AT STANDARD HEAD/SILL/ HORIZONTAL MULLION	6063-T6 ALUMINUM
6	-	-	-
7	COR-1019	FACE CAP	6063-T6 ALUMINUM
8	COR-1028	PRESSURE PLATE	6063-T6 ALUMINUM
9	COR-1041	FRAME, OUTSIDE 90°, HALF	6063-T6 ALUMINUM
10	COR-1042	FRAME, OUTSIDE 90°, HALF	6063-T6 ALUMINUM
11	COR-1043	SNAP TRIM, 90° CORNER	6063-T6 ALUMINUM
12	COR-1046	FRAME, VERTICAL MULLION, SSG	6063-T6 ALUMINUM
13	COR-1047	SPLICE SLEEVE	6063-T6 ALUMINUM
14	COR-1048	SPLICE SLEEVE	6063-T6 ALUMINUM
15	COR-2001	END DAM	EVA FOAM
16	COR-2002	MULLION CAP	6063-T6 ALUMINUM
17	COR-2003	MULLION CAP AT CORNER	6063-T6 ALUMINUM
18	-	-	-
19	COR-613	POCKET FILLER, JAMB	6063-T6 ALUMINUM
20	COR-654	PRESSURE PLATE, EXT, OUTSIDE 90°	6063-T6 ALUMINUM
21	COR-656	PRESSURE PLATE, INT, OUTSIDE 90°	6063-T6 ALUMINUM
22	COR-658	FACE CAP, HALF, OUTSIDE 90°	6063-T6 ALUMINUM
23	-	-	-
24	FG-5731	GASKET AT INTERIOR GLASS/BACK MEMBER	EPDM
25	FS-100	SCREW SPLINE JOINERY FASTENER	STEEL
26	-	-	-
27	FS-103	#12 X 3/4" HWH #3 SELF DRILLING	STEEL
28	FS-104	#12 X 1-1/2" PFH #3 SELF DRILLING	STEEL
29	FS-105	#12 X 1-1/4" HWH #3 SELF DRILLING	STEEL
30	FS-112	1/4"-20 X 1-1/4" BOLT	STEEL
31	FS-202	#8 X 1/2" PPH	STEEL
32	FS-23	#6 X 3/8" PPH TYPE AB PT	STEEL
33	-	-	-
34	FSN-10	STEEL SPACERS, SQUARE NUT	STEEL
35	FSN-11	1/4" X 20 NUT	STEEL
36	FSW-10	1/4" WASHER	STEEL
37	GP-103	GLAZING GASKET (INT/EXT)	EPDM
38	GP-211	PERIMETER GASKET	EPDM
39	GP-212	SPACER GASKET AT PRESSURE PLATE	EPDM
40	GP-213	GASKET, INT, DRY GLAZE	EPDM
41	GP-214	EDPM SETTING BLOCK	EPDM
42	RS-30	1-1/4" X 4-9/16" X 1/4" STEEL AT VERTICAL MULLION	A36 STEEL
43	RS-31	1-7/8" X 4-1/2" X 1/4" STEEL AT VERTICAL MULLION	A36 STEEL
44	-	-	-
45	SM-5601	1/8" X 1/2" TACKY TAPE	BUTYL
46	WW-350	BRIDGE	EVA FOAM
47	-	1/2" X 3-3/4" STEEL AT VERTICAL MULLION	A36 STEEL
48	-	3/4" X 3-3/4" STEEL AT VERTICAL MULLION	A36 STEEL



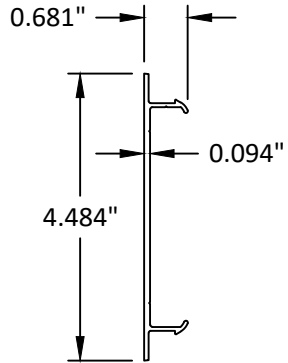
1 VERTICAL MULLION



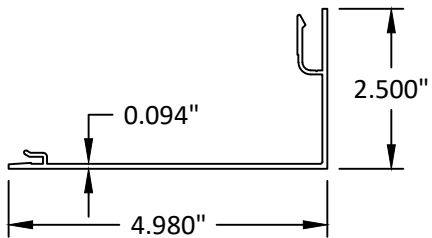
2 HEAD/SILL



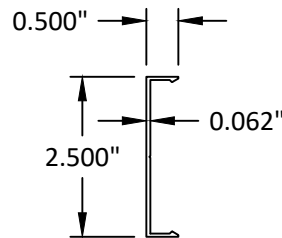
3 HORIZONTAL MULLION



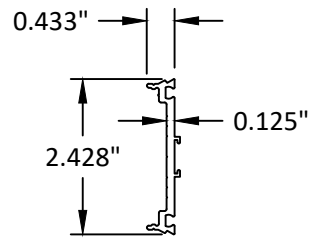
4 SNAP CLOSURE AT VERT. MULLION



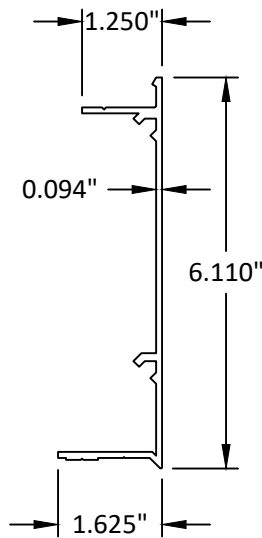
5 SNAP CLOSURE AT HEAD/SILL/HORI. MULLION



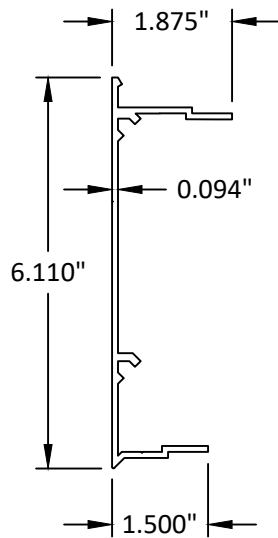
7 FACE CAP



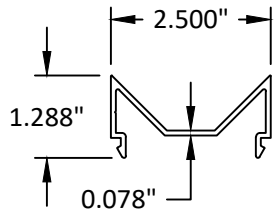
8 PRESSURE PLATE



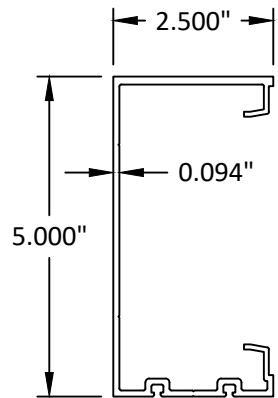
9 FRAME, OUTSIDE 90°, HALF



10 FRAME, OUTSIDE 90°, HALF



11 SNAP TRIM, 90° CORNER



12 VERTICAL MULLION, SSG

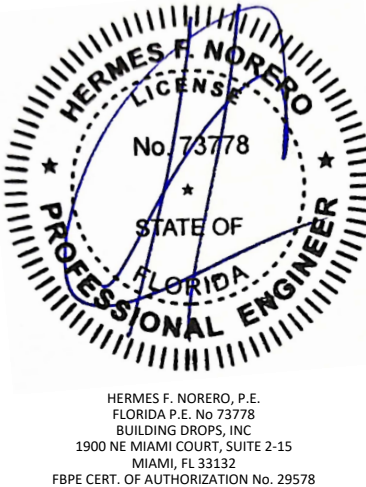


OLDCASTLE BUILDINGENVELOPE®
8655 ELM FAIR BLVD.
TAMPA, FL 33610
PH: (972) 551-6100

TITLE: PW-257 STORMMAX CURTAIN WALL SYSTEM (HVHZ) (IMPACT)
BILL OF MATERIALS AND COMPONENTS
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

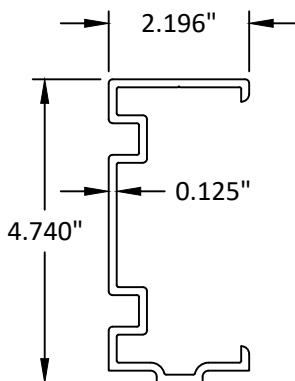
REMARKS	BY	DATE

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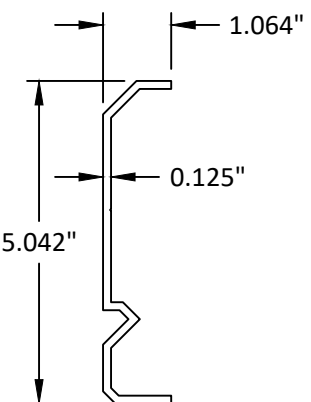


FL #: FL48356
DATE: 05.20.2026
DWG. BY: MS
CHK. BY: HFN
SCALE: NTS
DWG. #: OBE022
SECTION: 8.0
[SHEET 16 OF 17]

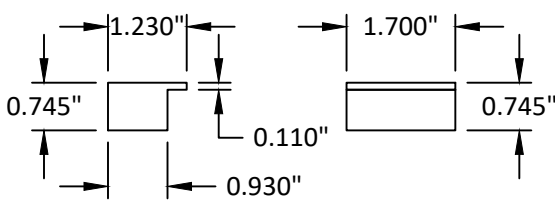
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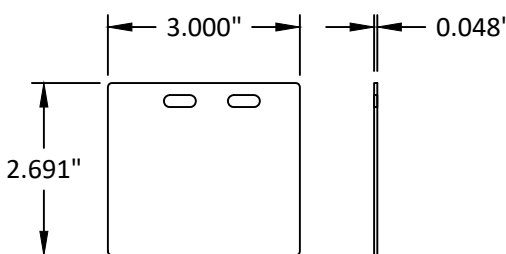
13 SPLICE SLEEVE



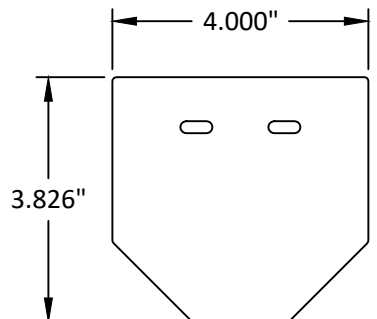
14 SPLICE SLEEVE



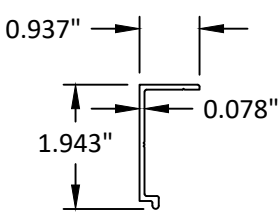
15 END DAM



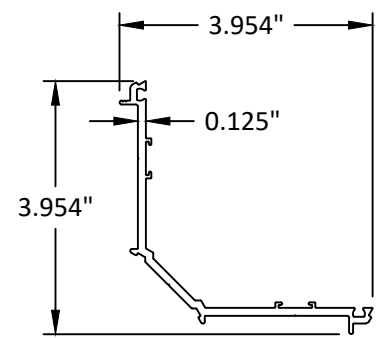
16 MULLION CAP



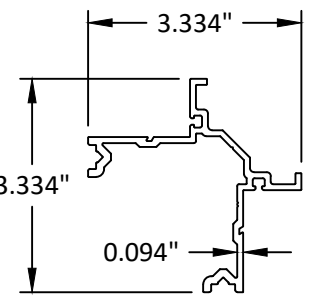
17 MULLION CAP AT CORNER



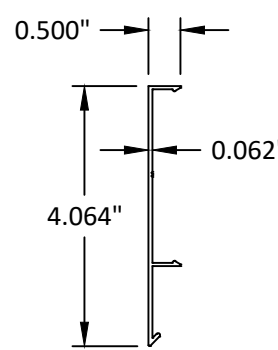
19 POCKET FILLER, JAMB



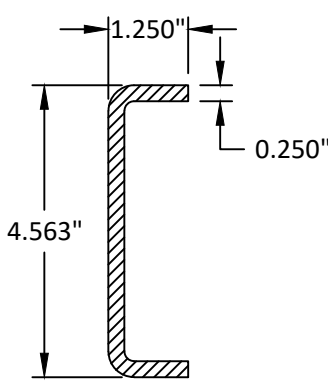
20 PRESSURE PLATE, EXT., 90°



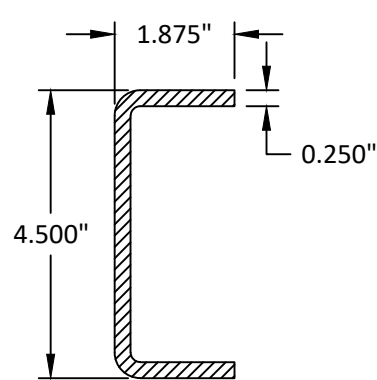
21 PRESSURE PLATE, INT., 90°



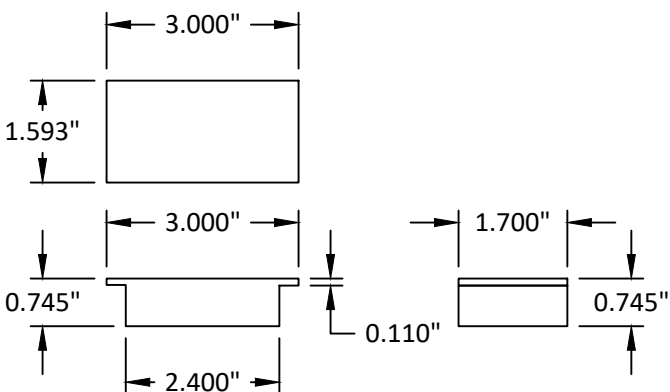
22 FACE CAP, HALF, OUTSIDE 90°



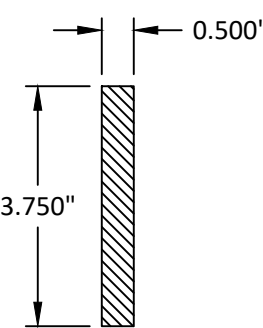
42 1-1/4" X 4-9/16" X 1/4" STEEL AT VERT. MULLION



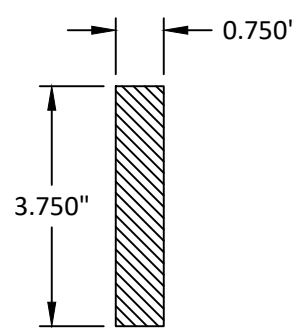
43 1-7/8" X 4-1/2" X 1/4" STEEL AT VERT. MULLION



46 BRIDGE



47 1/2" X 3-3/4" STEEL AT VERT. MULLION



48 3/4" X 3-3/4" STEEL AT VERT. MULLION



OLDCASTLE BUILDINGENVELOPE®
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TITLE:
PW-257 STORMMAX
CURTAIN WALL SYSTEM
(HVHZ) (IMPACT)

BILL OF MATERIALS AND COMPONENTS

PREPARED BY:
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BUILDING DROPS

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48356**

DATE: **05.20.2026**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OBE022**

SECTION: **8.1**

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