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PALM CITY IRONWORKS, INC.

MILANO SERIES OUTSWING DOORS

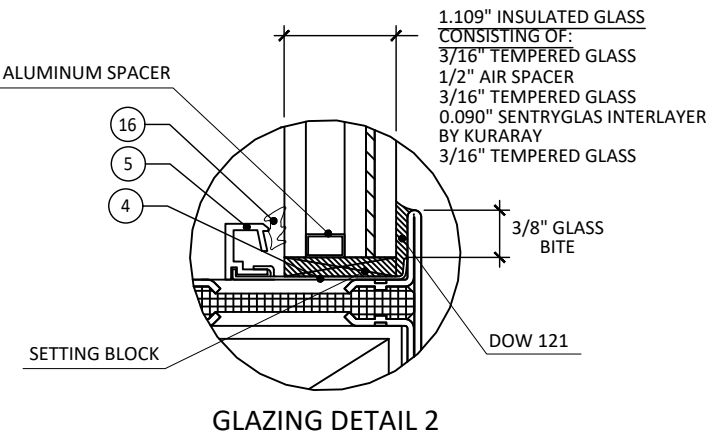
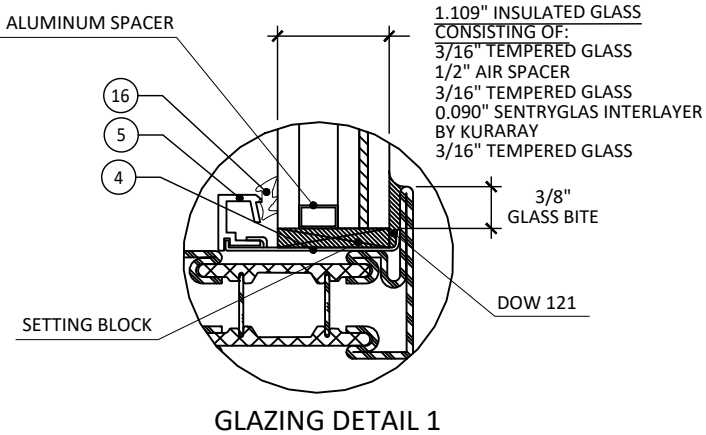
(WZ3)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E330-14
 - ASTM E283-04(12)
 - ASTM E331-00(09)
 - ASTM E1886-13a
 - ASTM E1996-14a
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X WOOD & STEEL 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. 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.
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. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN WIND ZONE 4.
7. DOOR MATERIAL: Q235B STEEL
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
9. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC REQUIREMENTS CHAPTER 20.
10. CUSTOM SIZES AVAILABLE UPON REQUEST.

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DESIGN PRESSURE RATING			
MAX. OVERALL FRAME SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
80.00"	108.00"	+80.0/-80.0 PSF	LARGE & SMALL MISSILE IMPACT RATED
80.00"	108.00"		
80.00"	108.00"		
42.00"	108.00"		
80.00"	144.00"		
90.00"	108.00"		



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



PALM CITY IRONWORKS, INC.
3160 KUTAK RD.
FORT MYERS, FL 33916

PH: (239) 691-8400 FX: (239)277-0061

TITLE: MILANO SERIES OUTSWING DOORS (WZ3)(IMPACT)

GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.

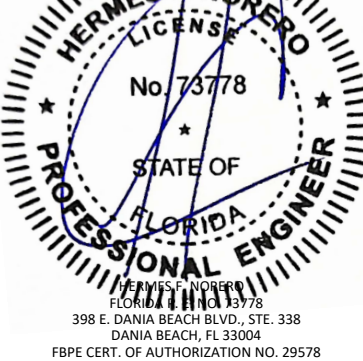
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC CODE CHANGE	FB	09/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.20 14:36:26 -0400



FL27072

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SCALE: NTS

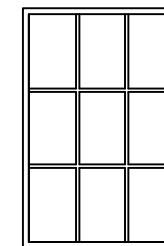
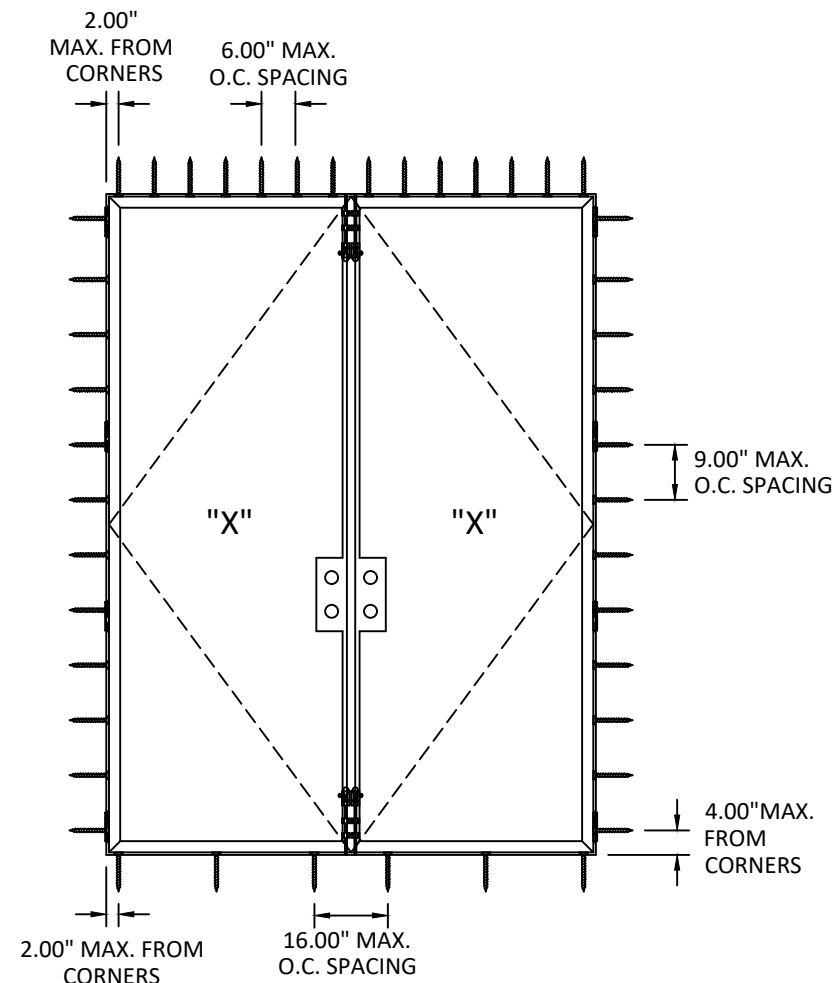
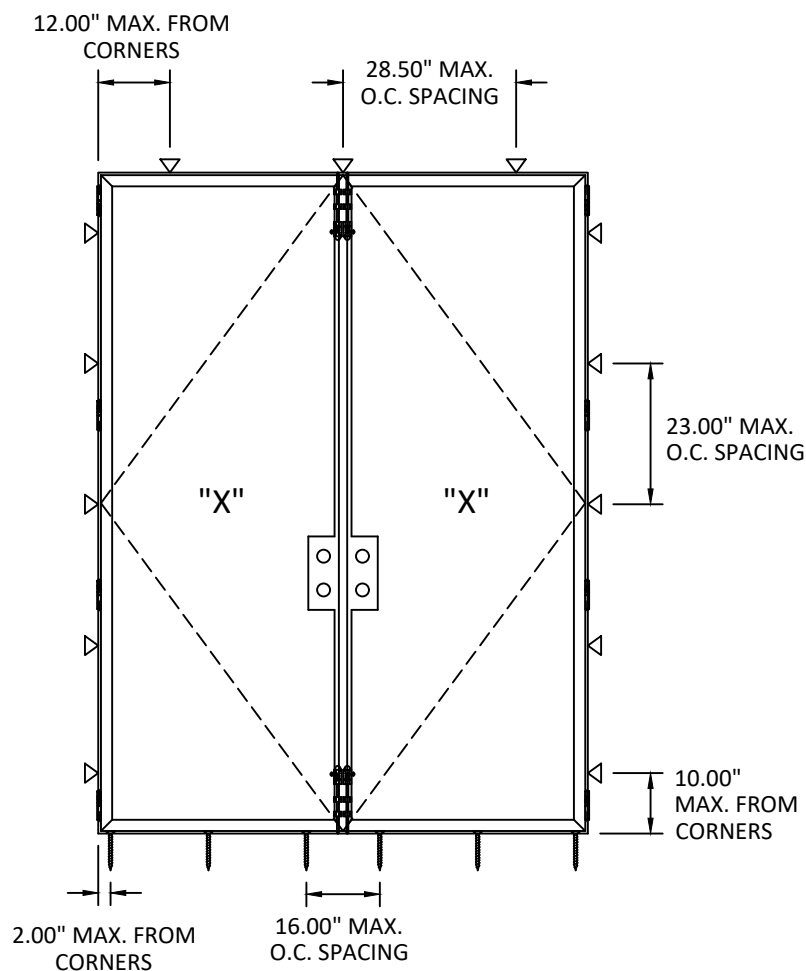
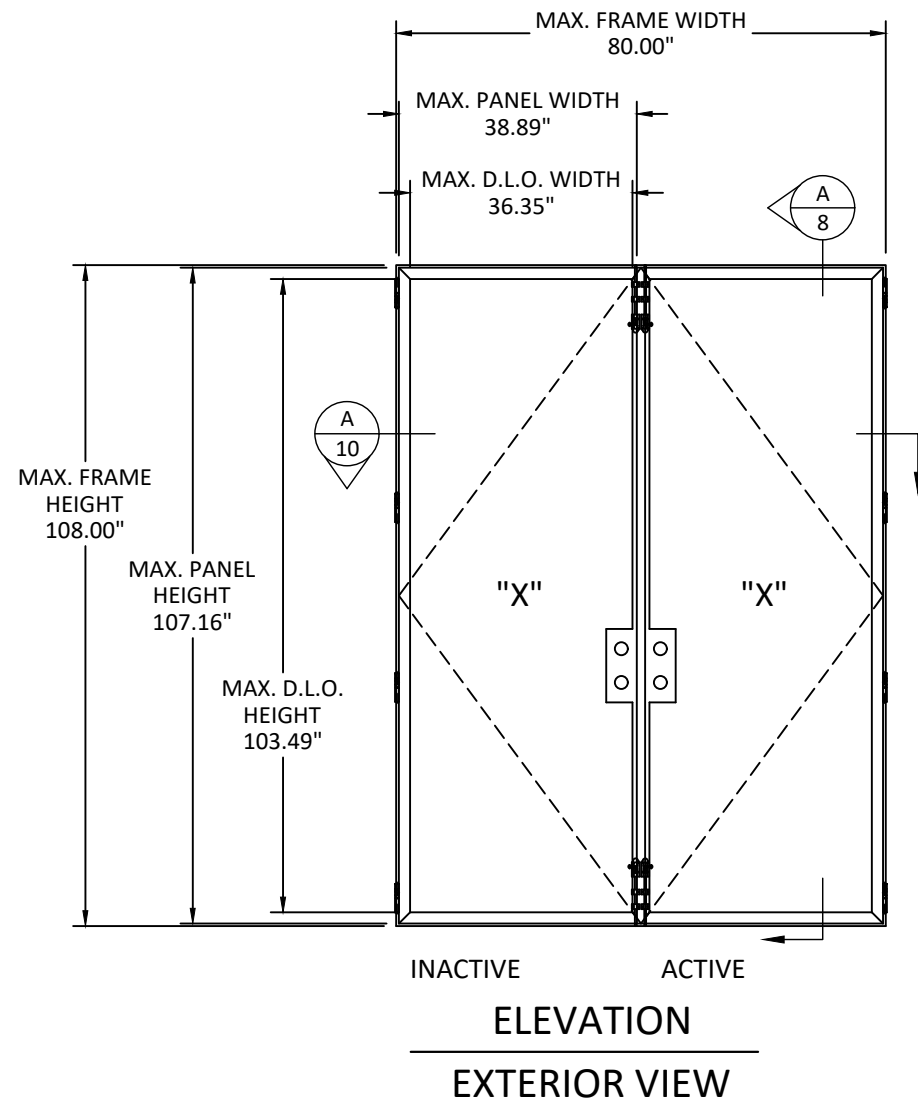
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ELEVATION & ANCHOR LAYOUTS

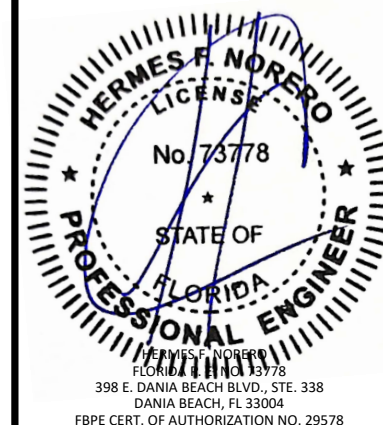
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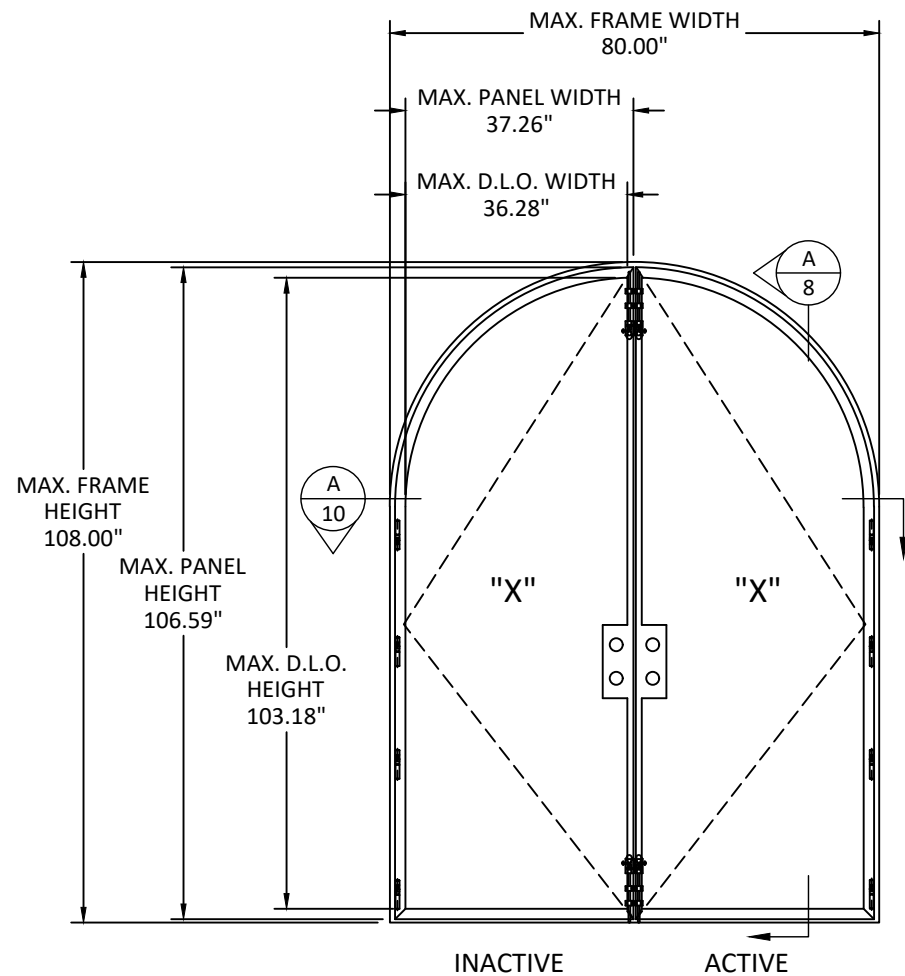
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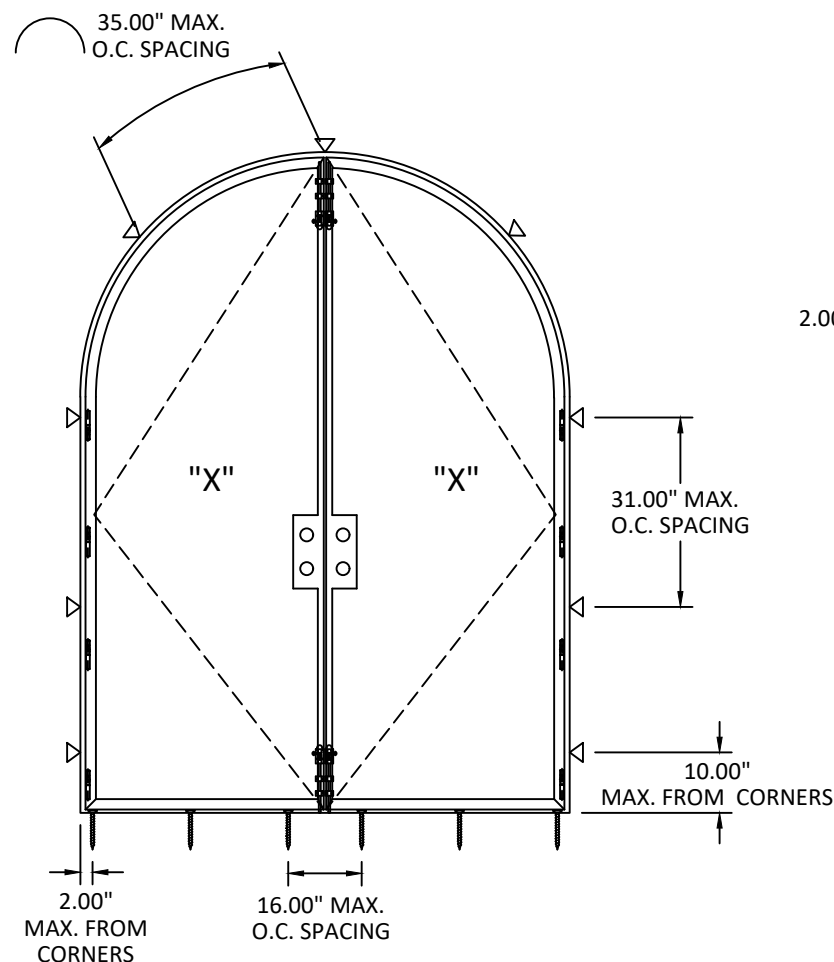
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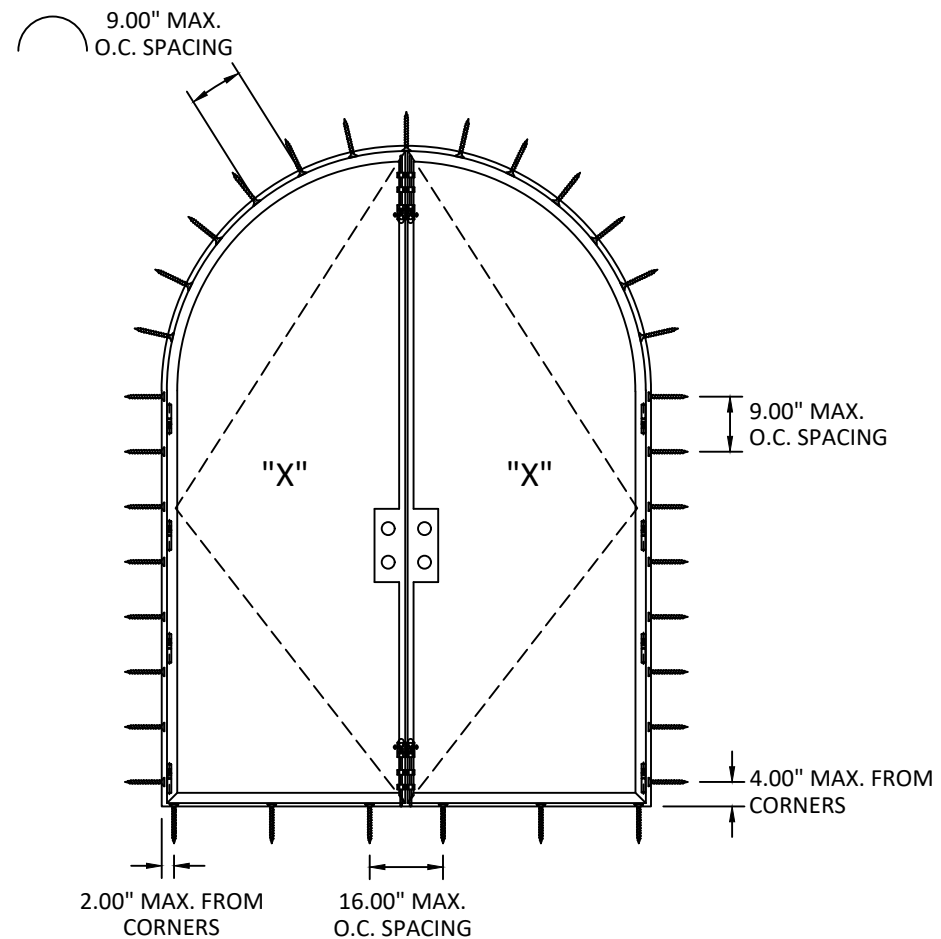


ELEVATION
EXTERIOR VIEW

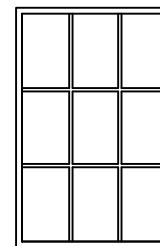
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- ⌵ THROUGH FRAME ANCHORS



TYPICAL ANCHOR LAYOUT
THROUGH BRACKET



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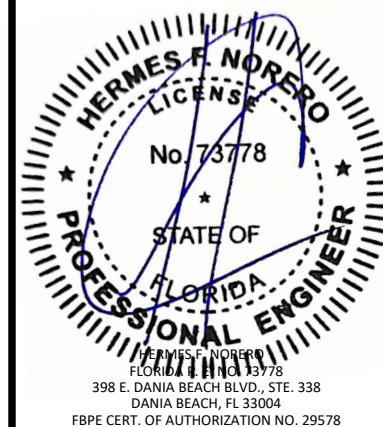
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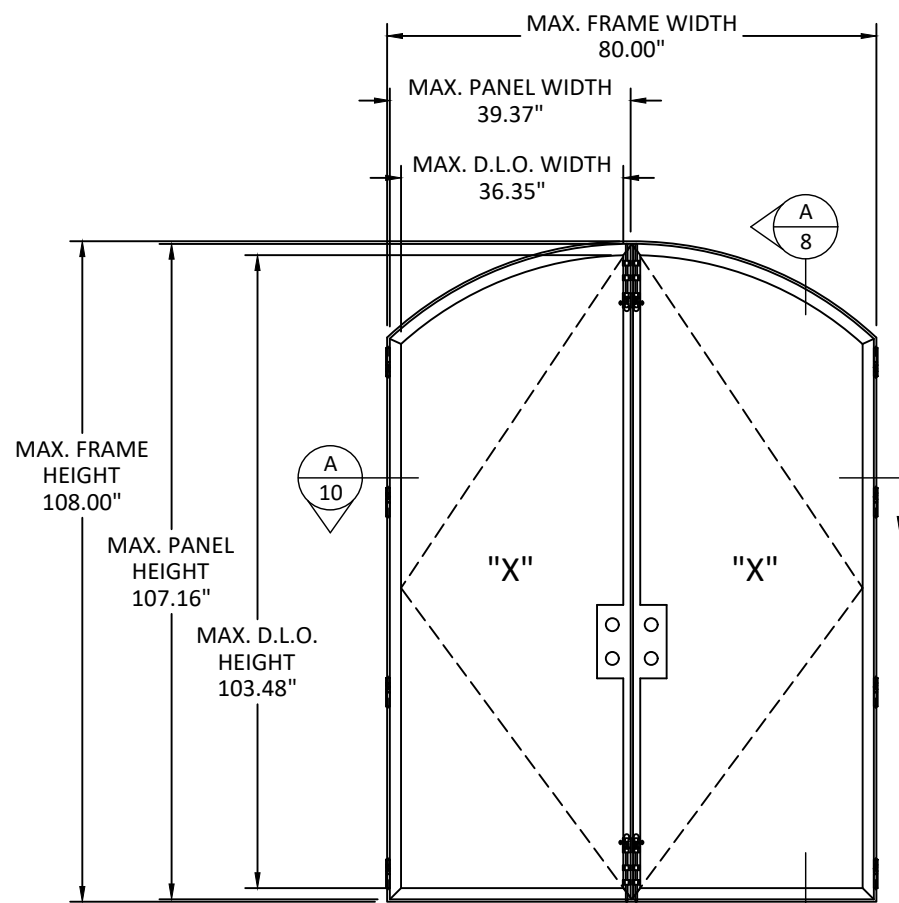
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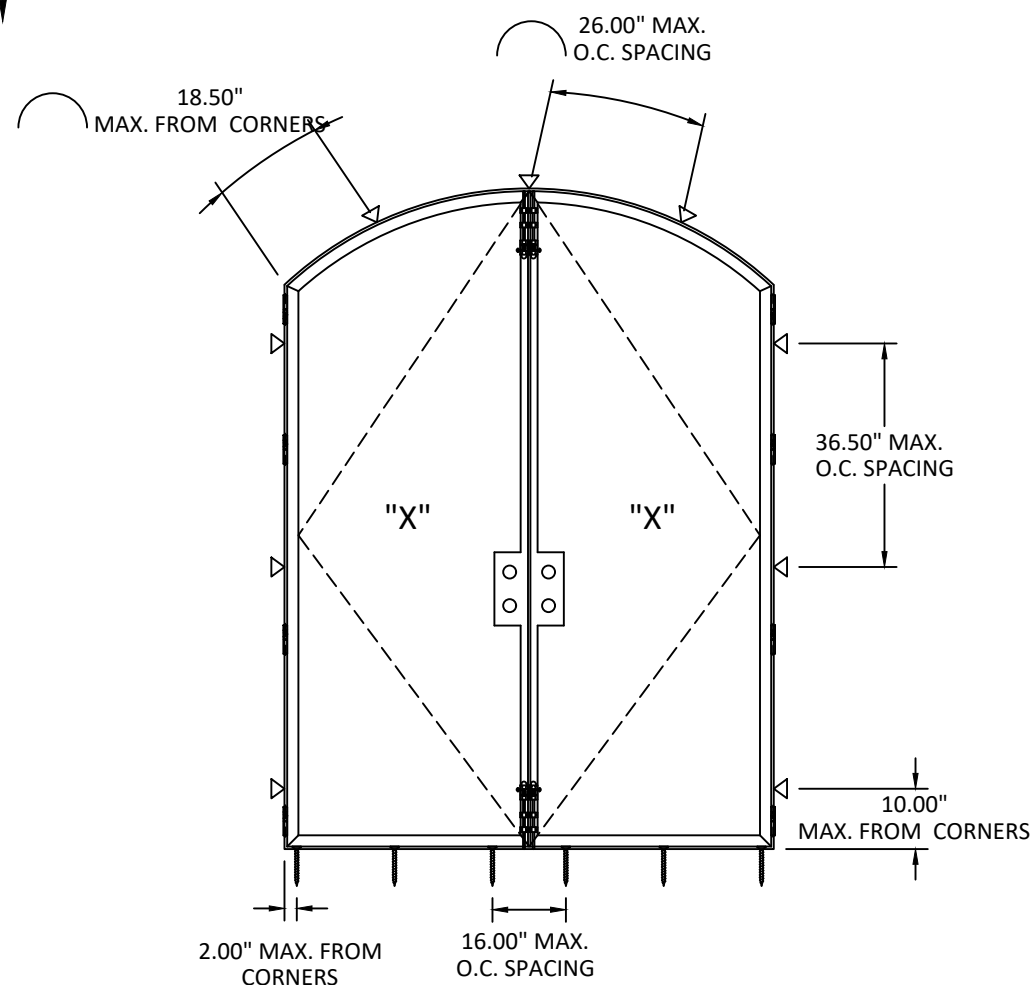
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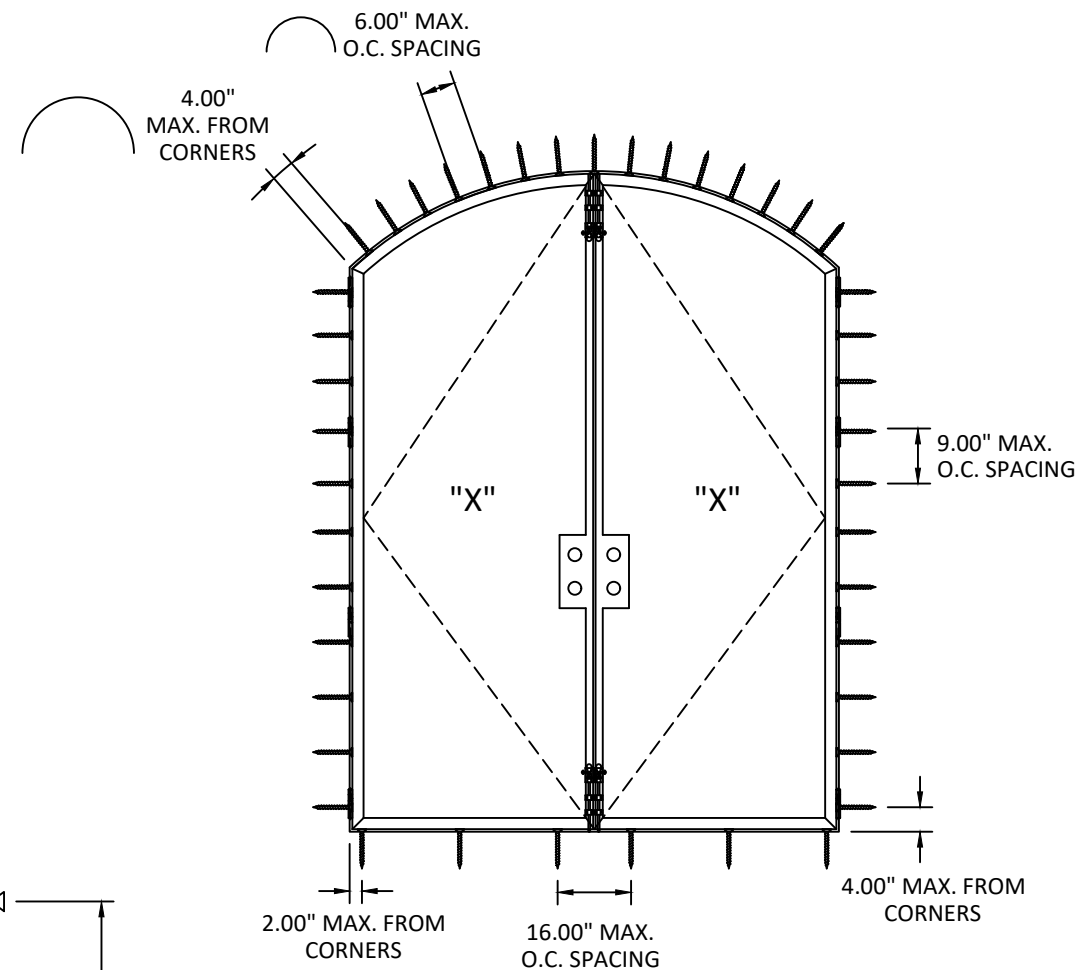


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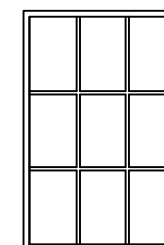
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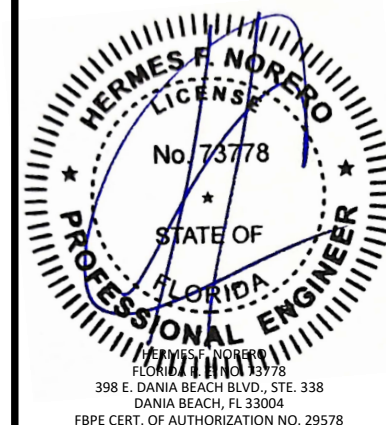
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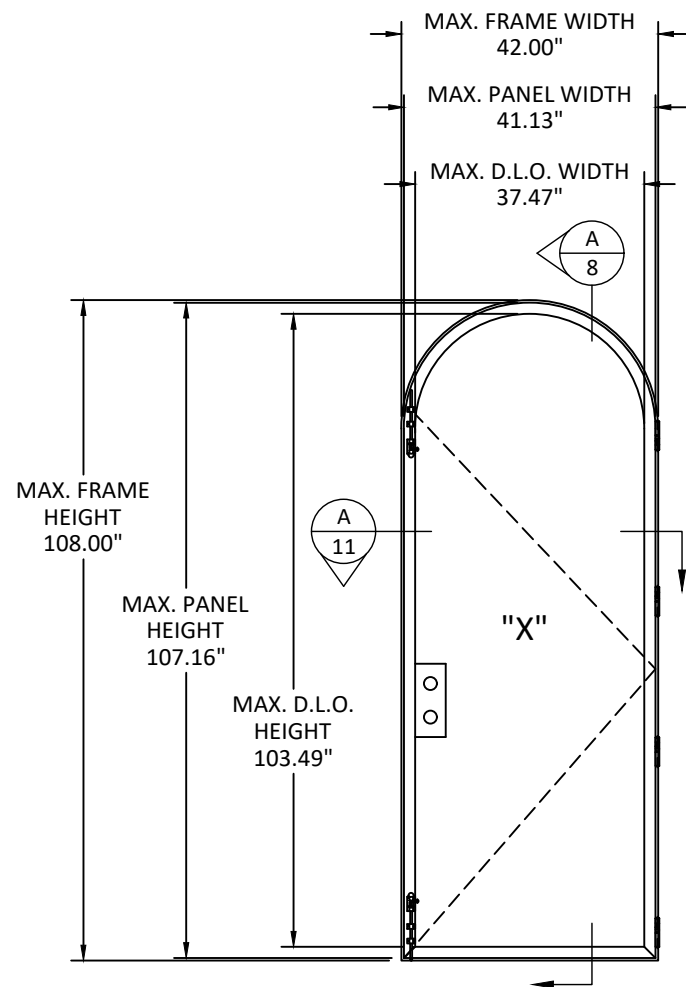
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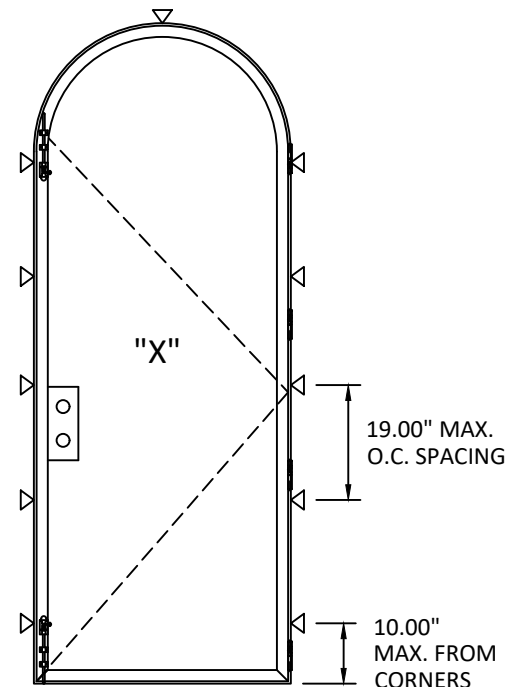
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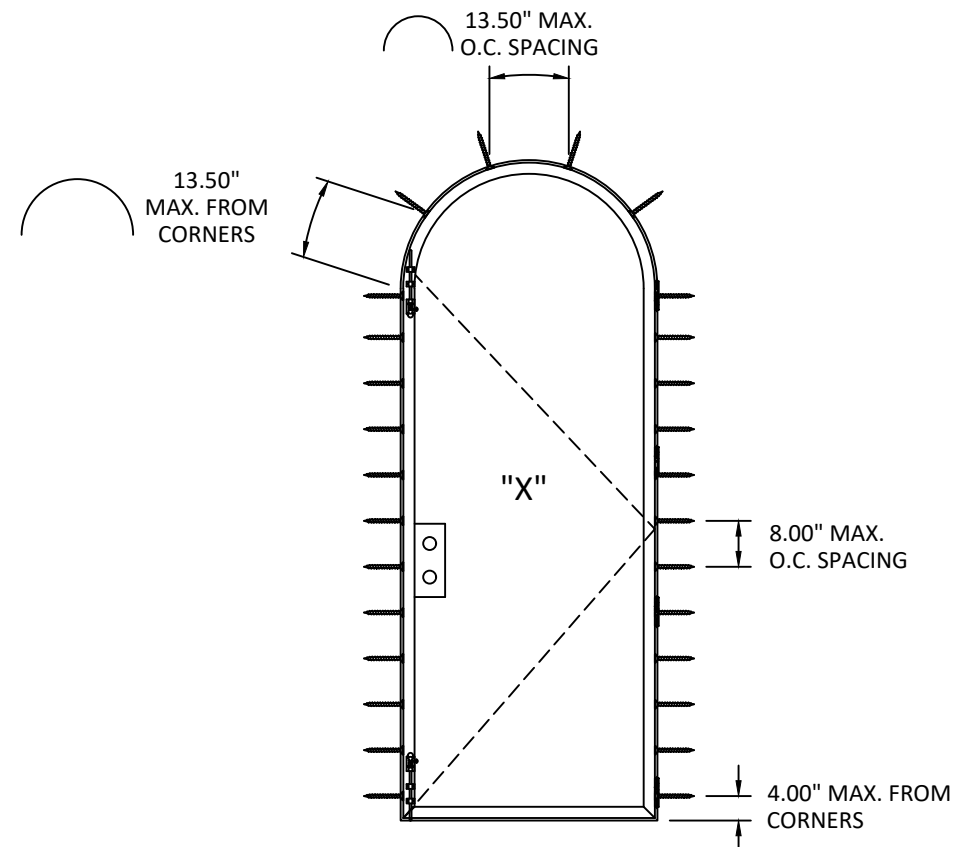


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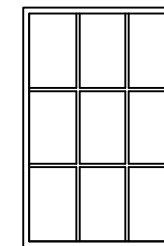
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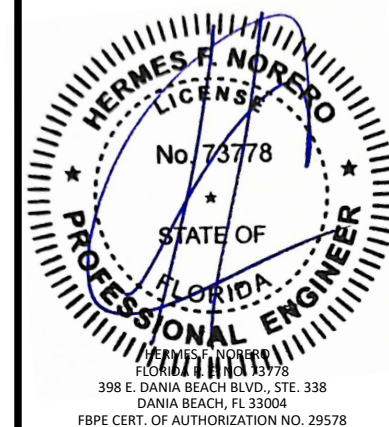
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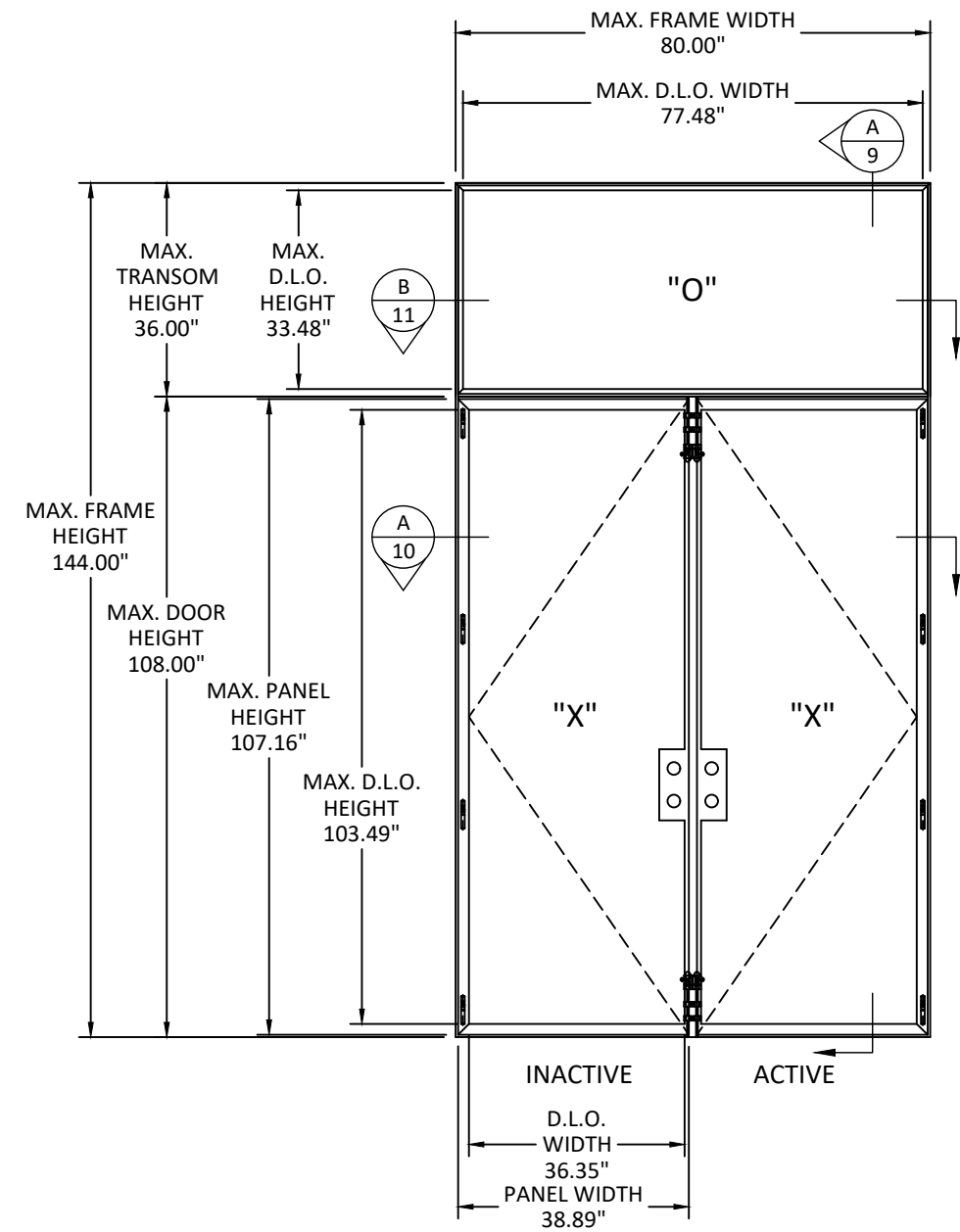
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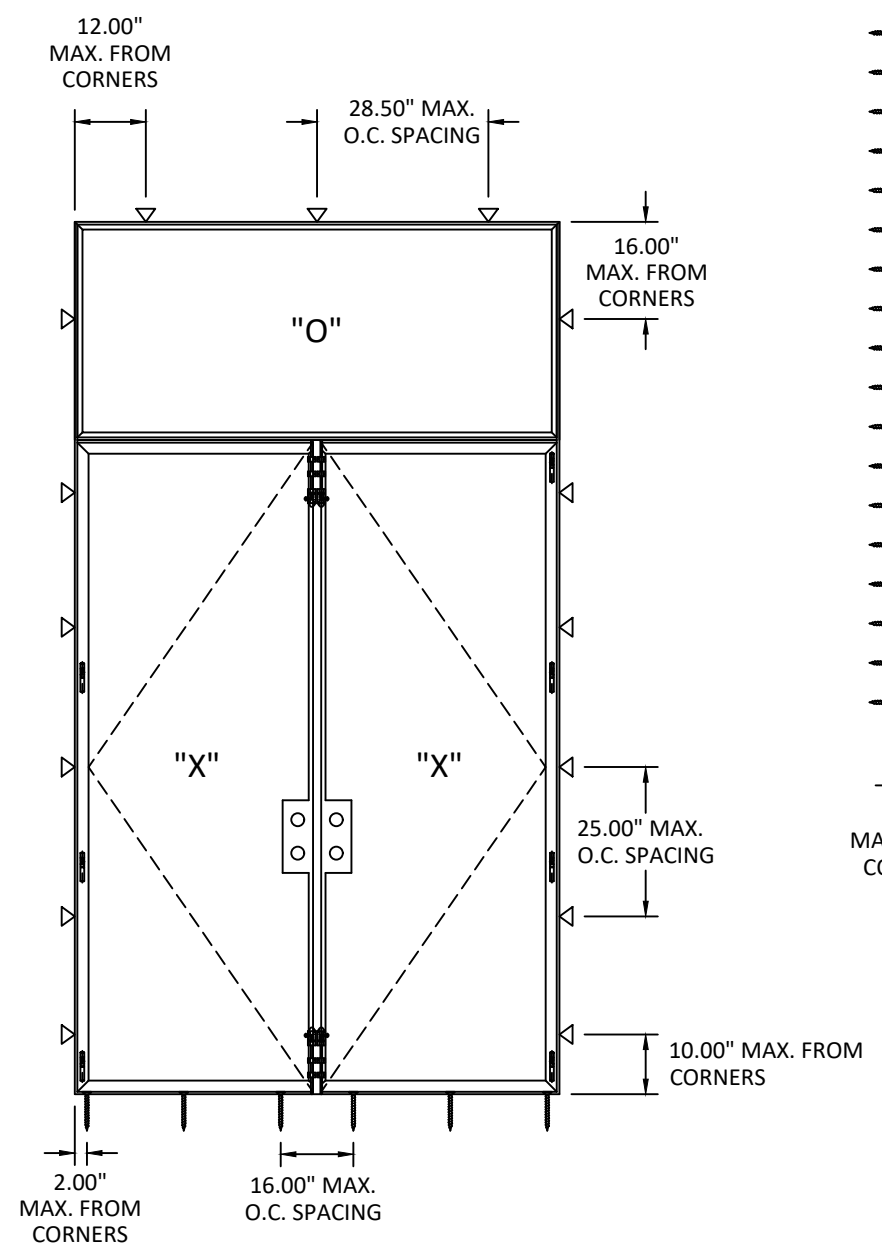
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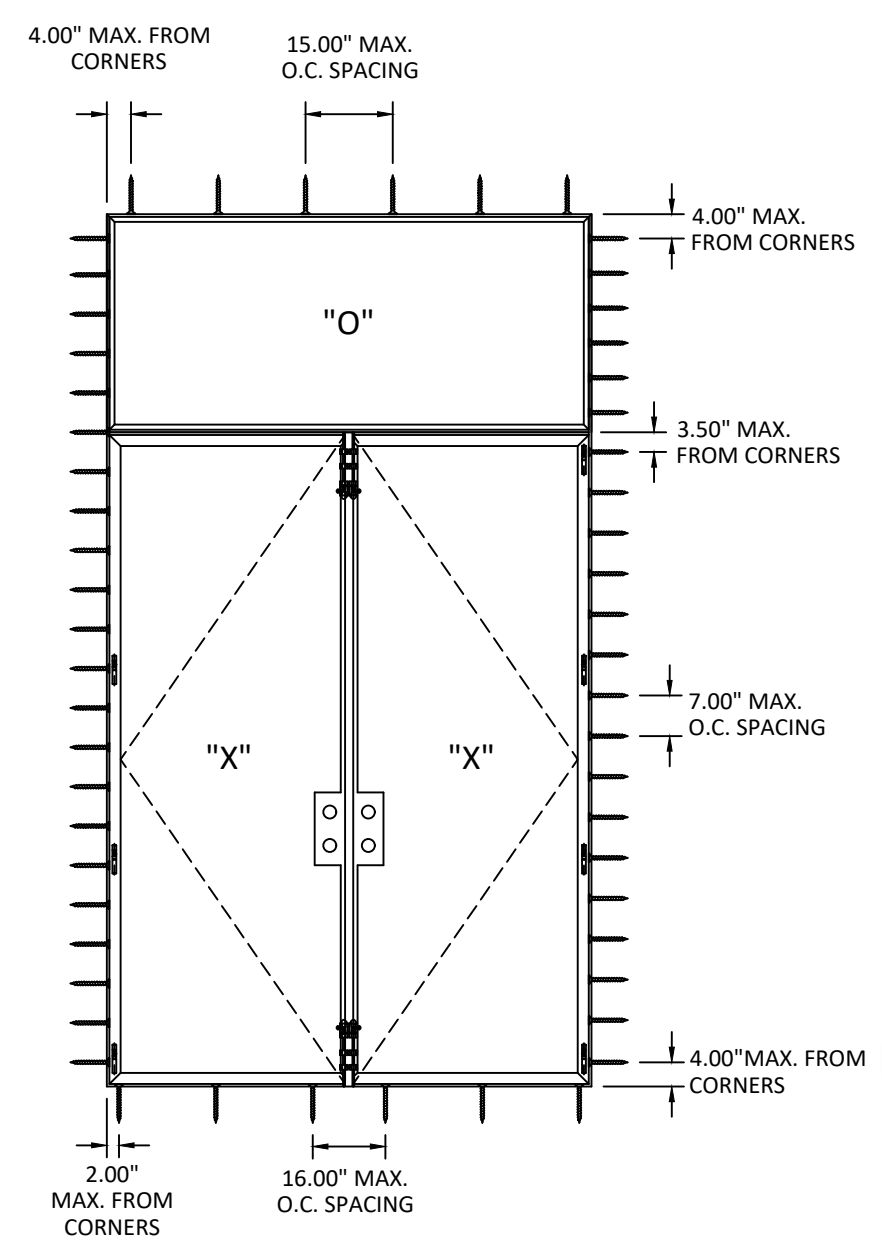


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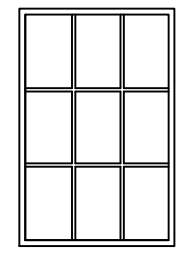
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- THROUGH FRAME ANCHORS



TYPICAL ANCHOR LAYOUT
THROUGH BRACKET



TYPICAL ANCHOR LAYOUT
THROUGH FRAME



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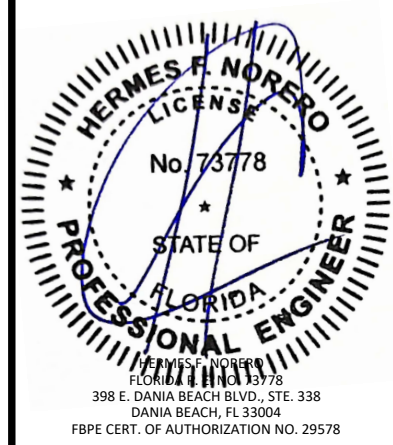
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TITLE: MILANO SERIES OUTSWING
DOORS (WZ3)/(IMPACT)
ELEVATION & ANCHOR LAYOUTS

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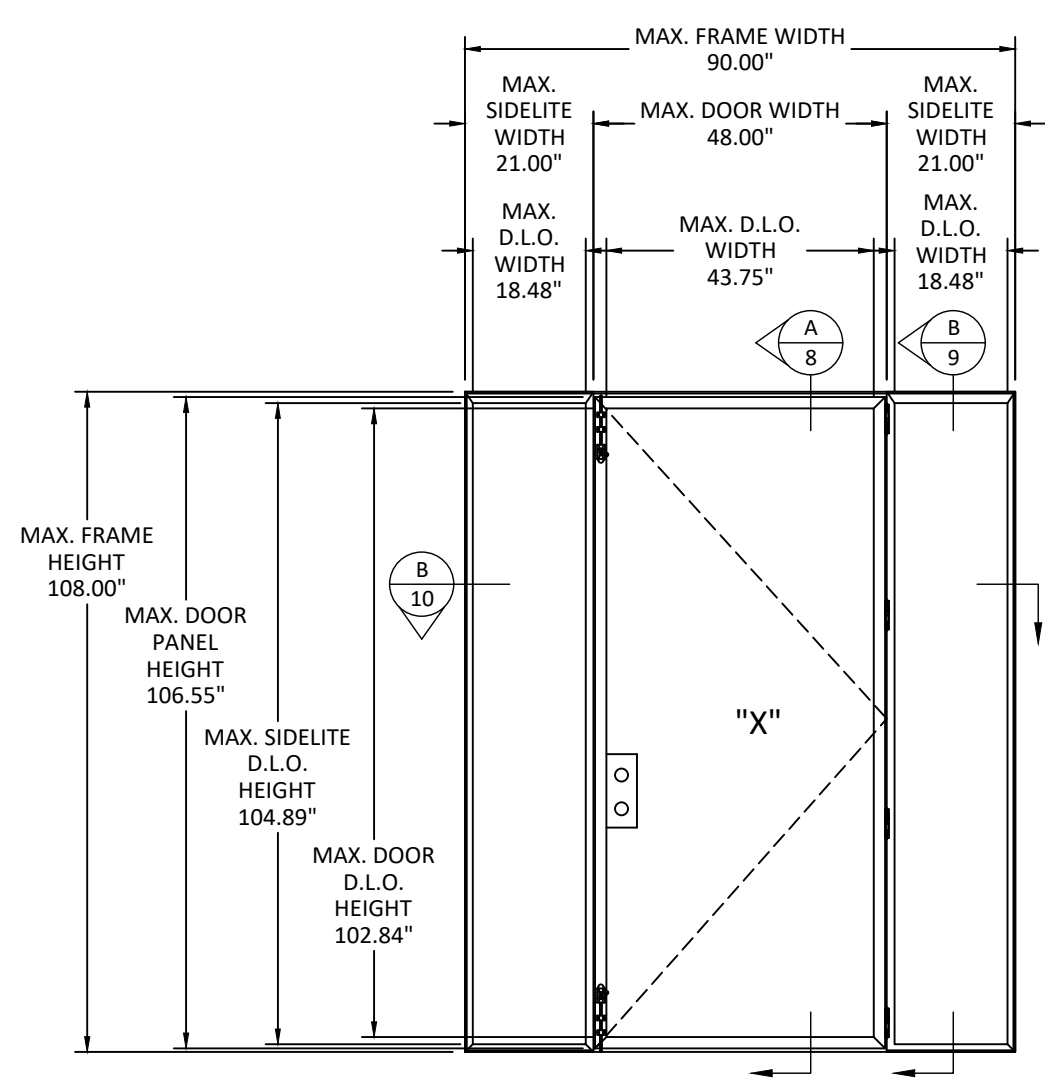
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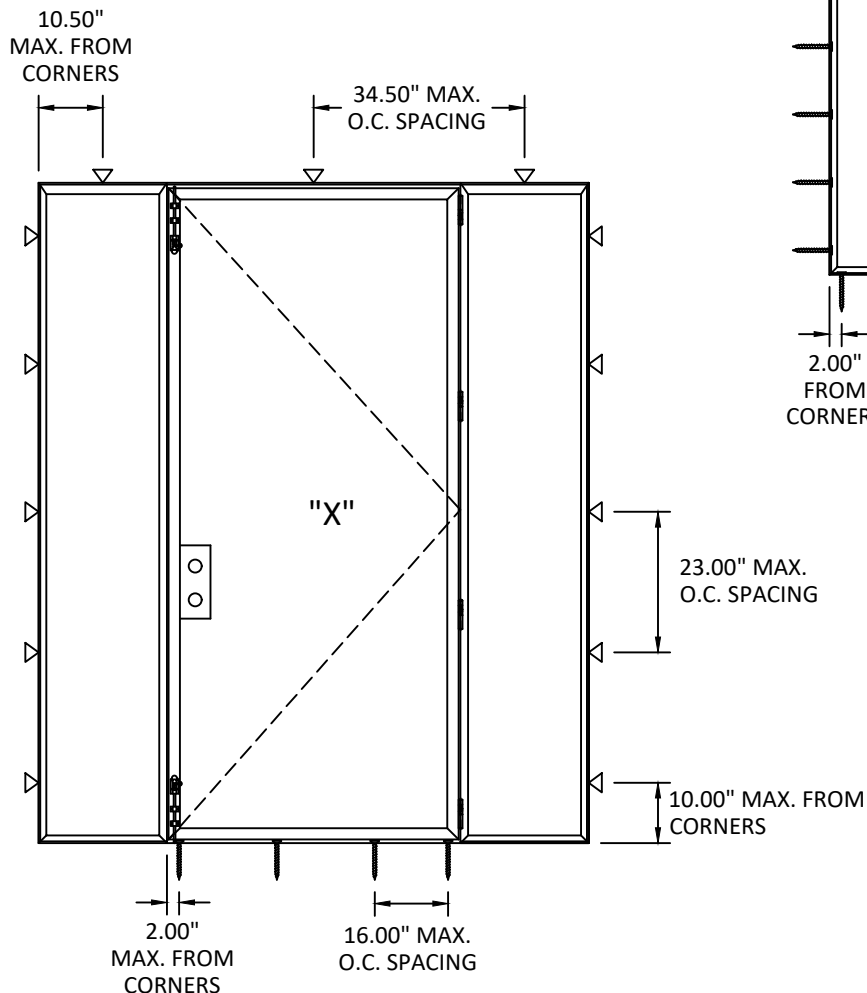
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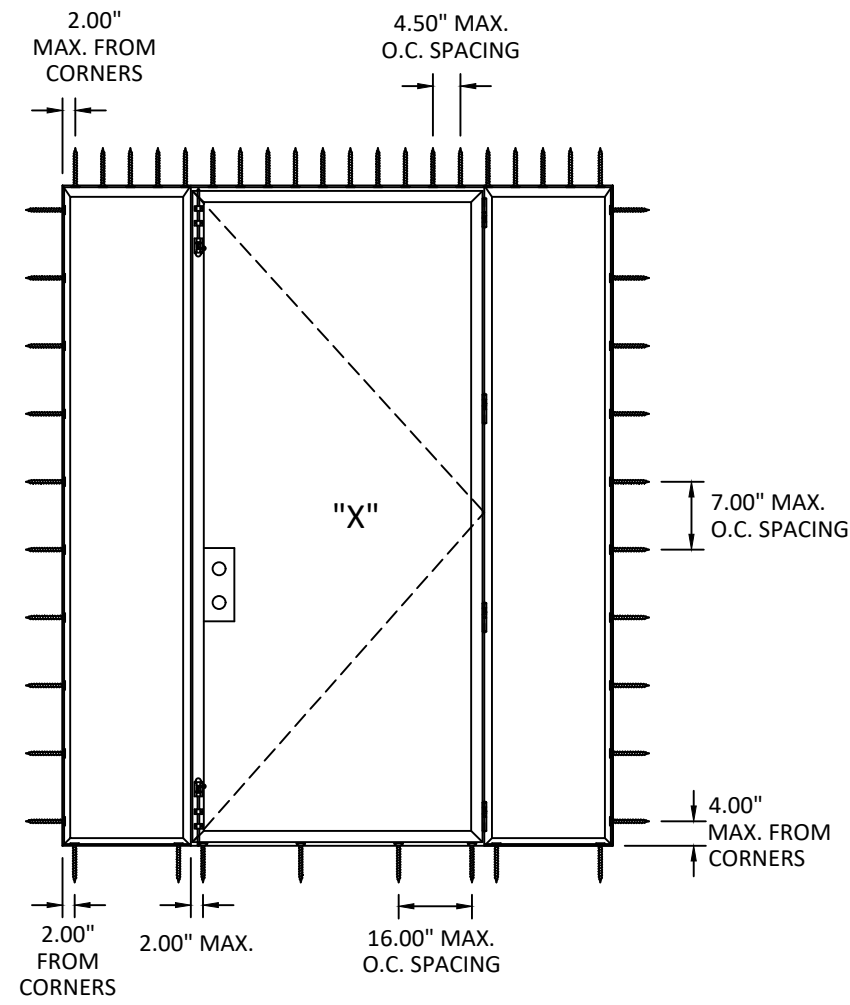


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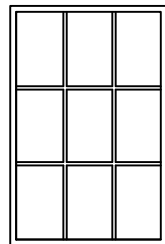
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BUILDING DROPS

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO
FLORIDA LICENSE NO. 73778
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

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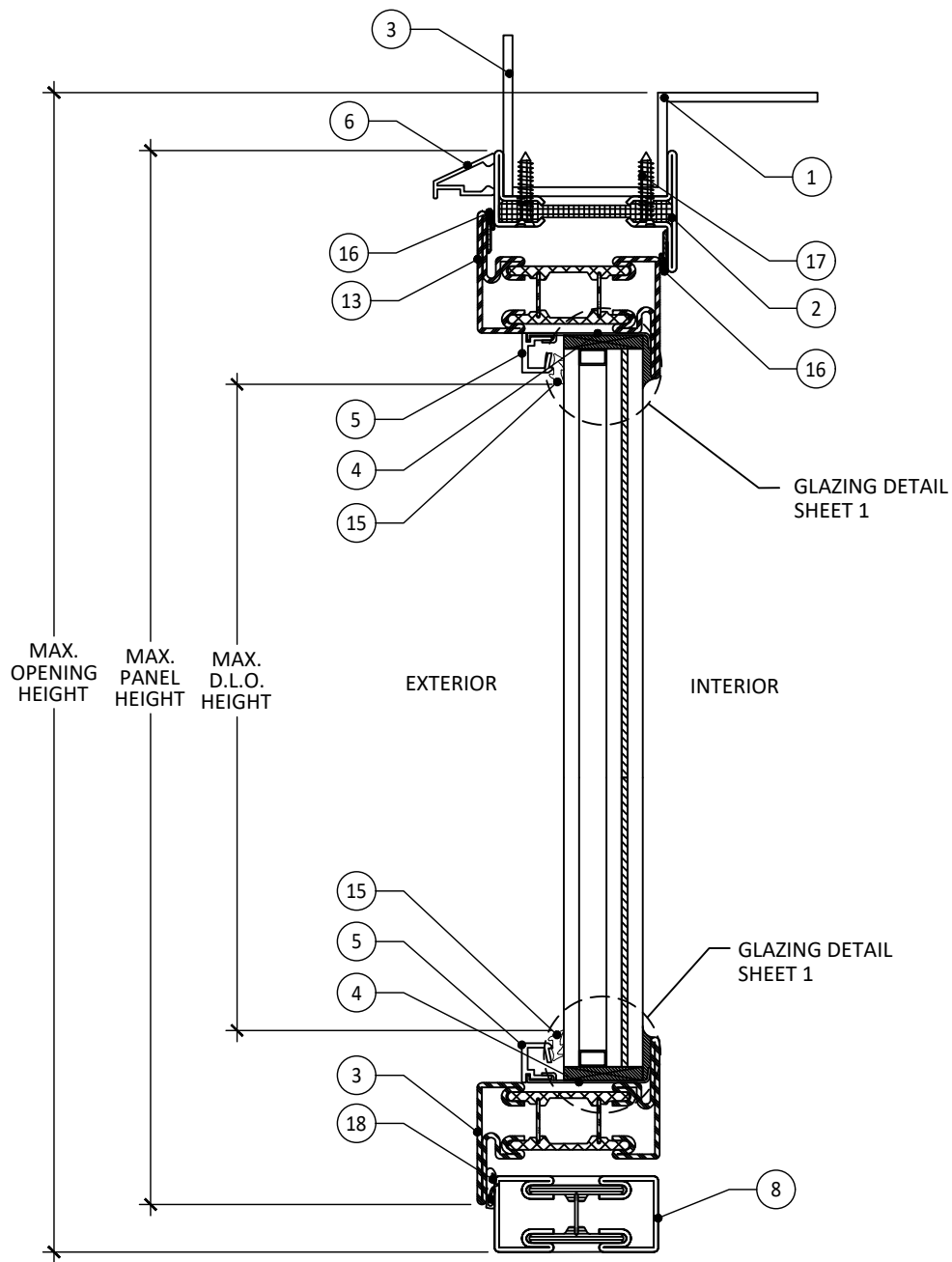
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A
8 **VERTICAL SECTION**



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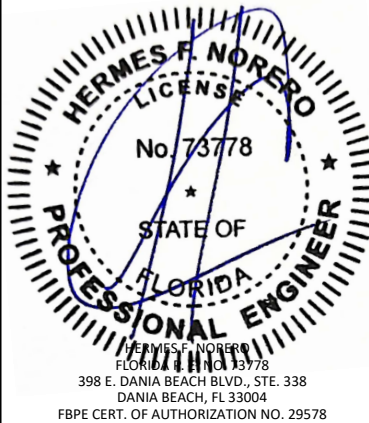
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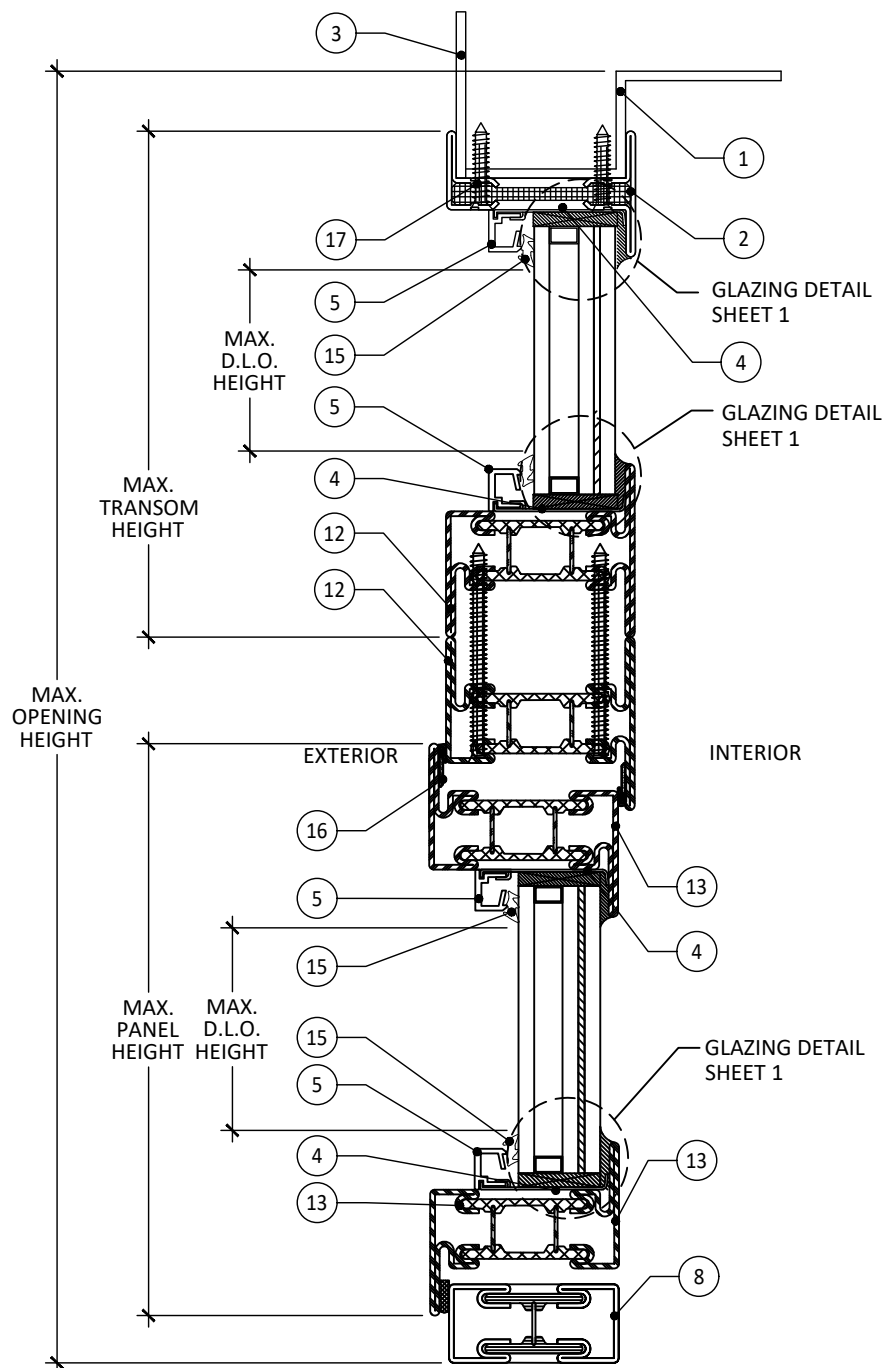
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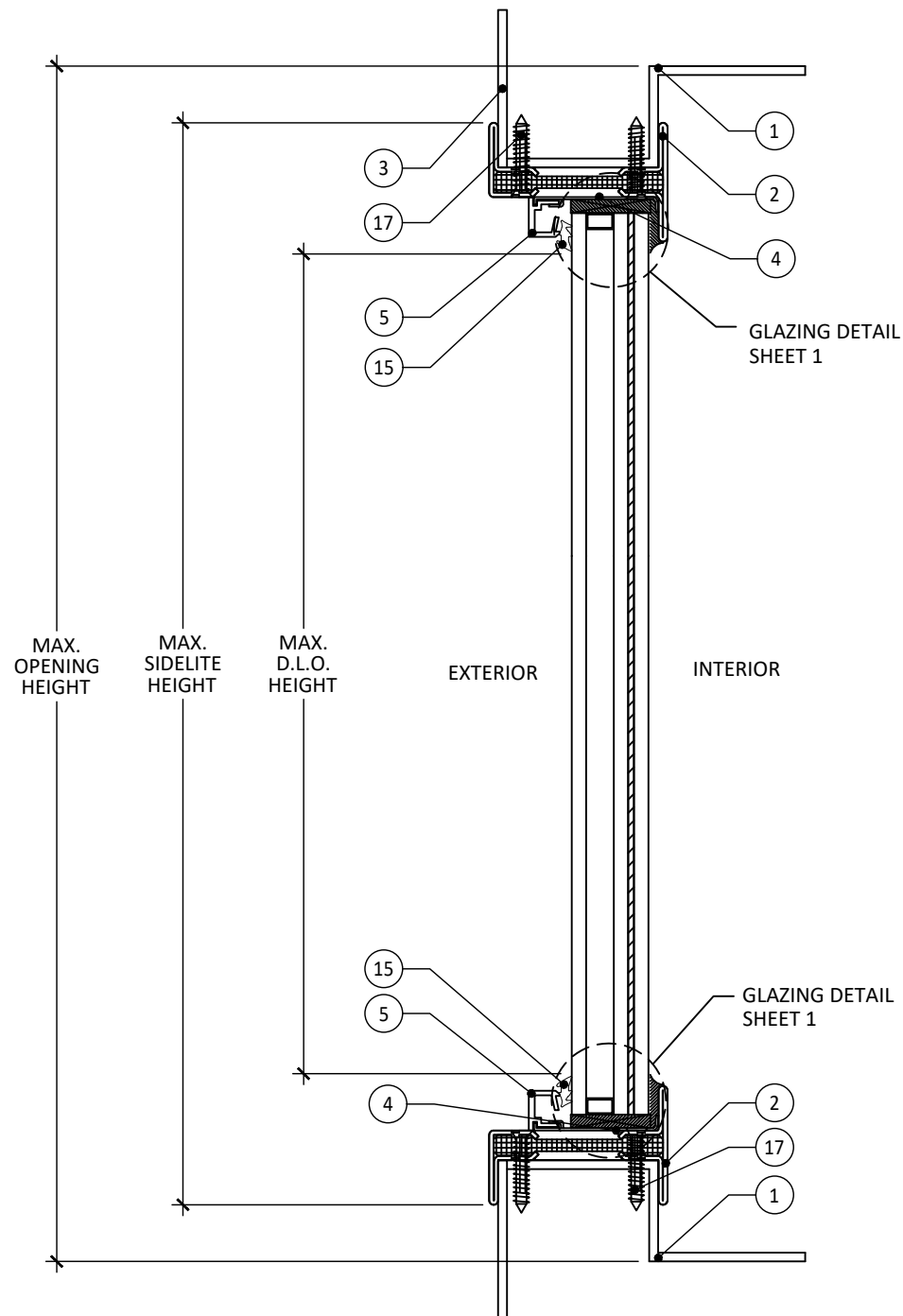
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A
9 VERTICAL SECTION



B
9 VERTICAL SECTION



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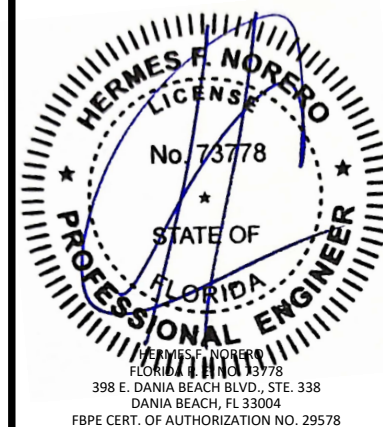
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WEB: www.buildingdrops.com



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HFN

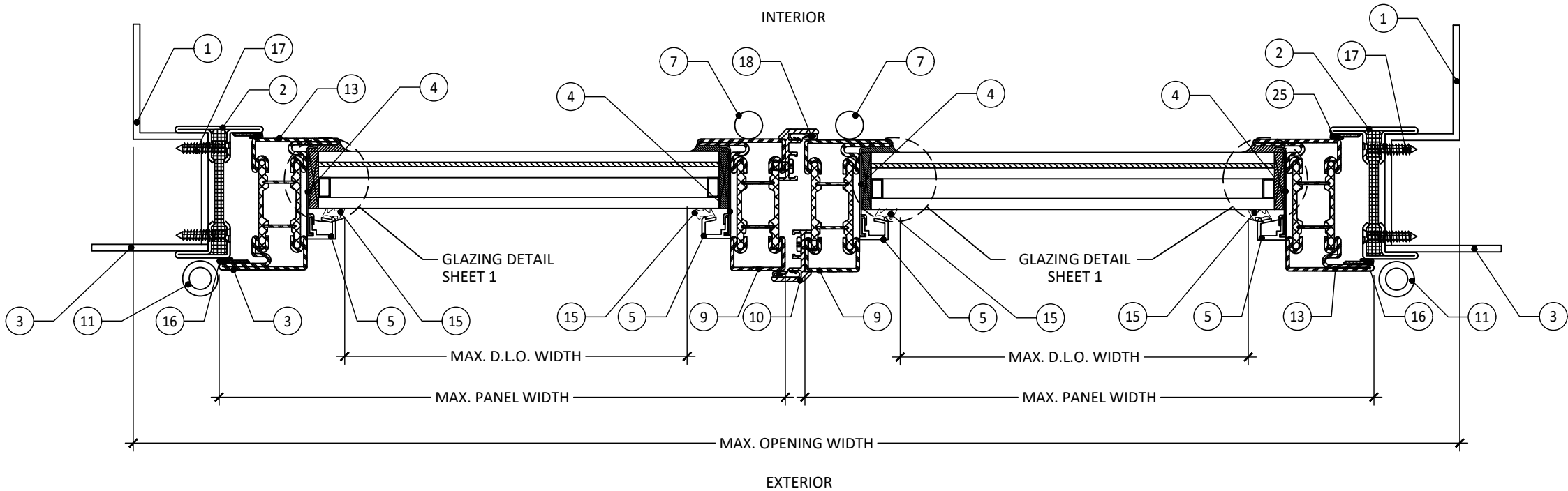
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DWG. #: PCI004

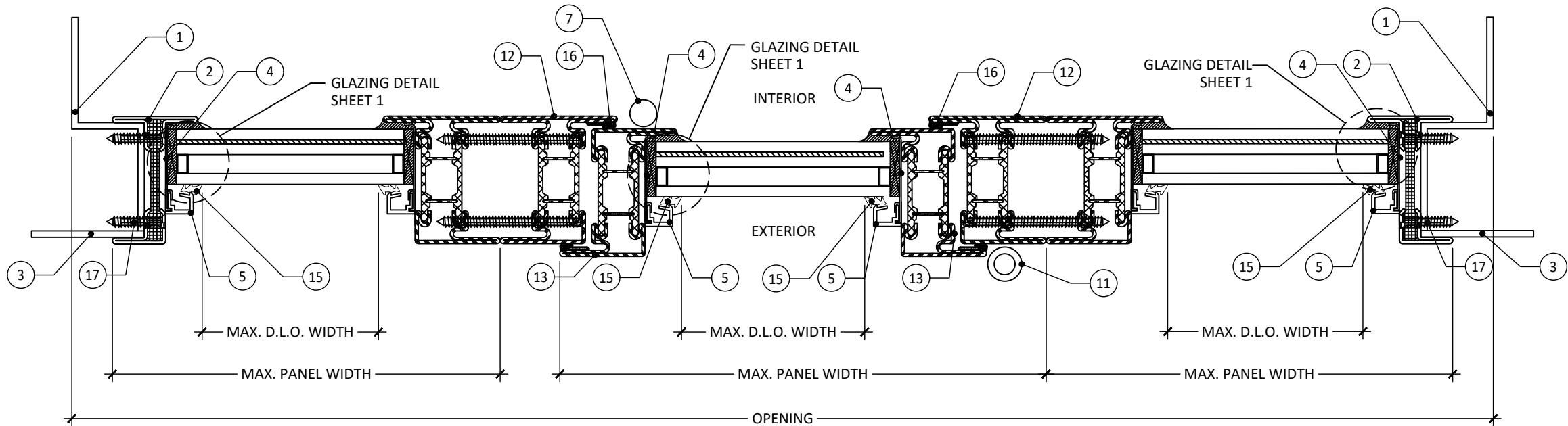
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OF 14



A
10 HORIZONTAL SECTION



B
10 HORIZONTAL SECTION



PALM CITY IRONWORKS, INC.
3160 KUTAK RD.
FORT MYERS, FL 33916

PH: (239) 691-8400 FX: (239)277-0061

TITLE: MILANO SERIES OUTSWING
DOORS (WZ3)/(IMPACT)

HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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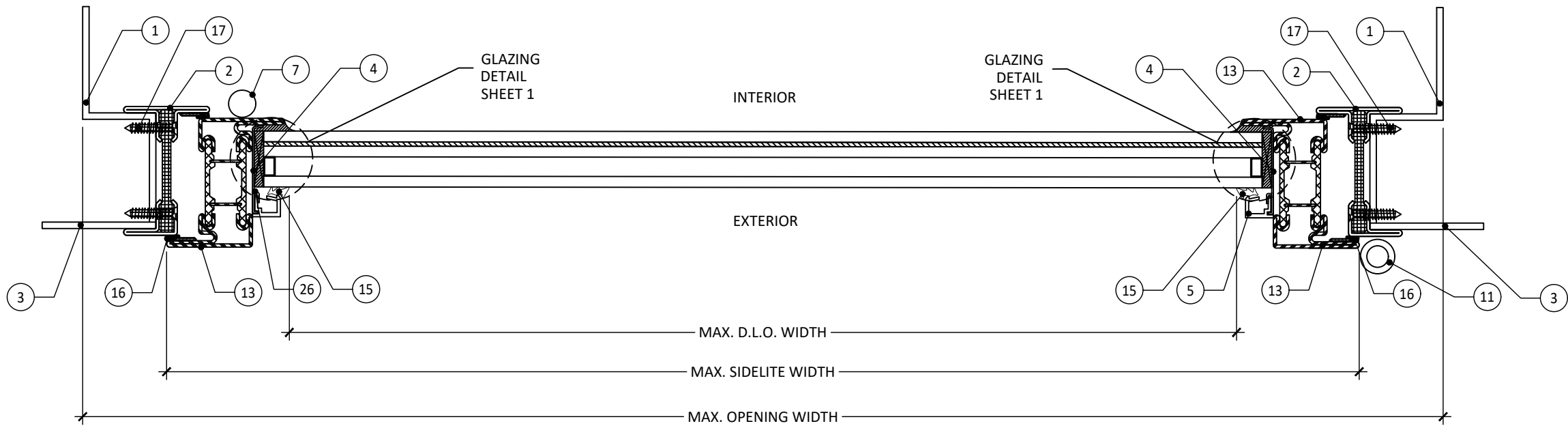
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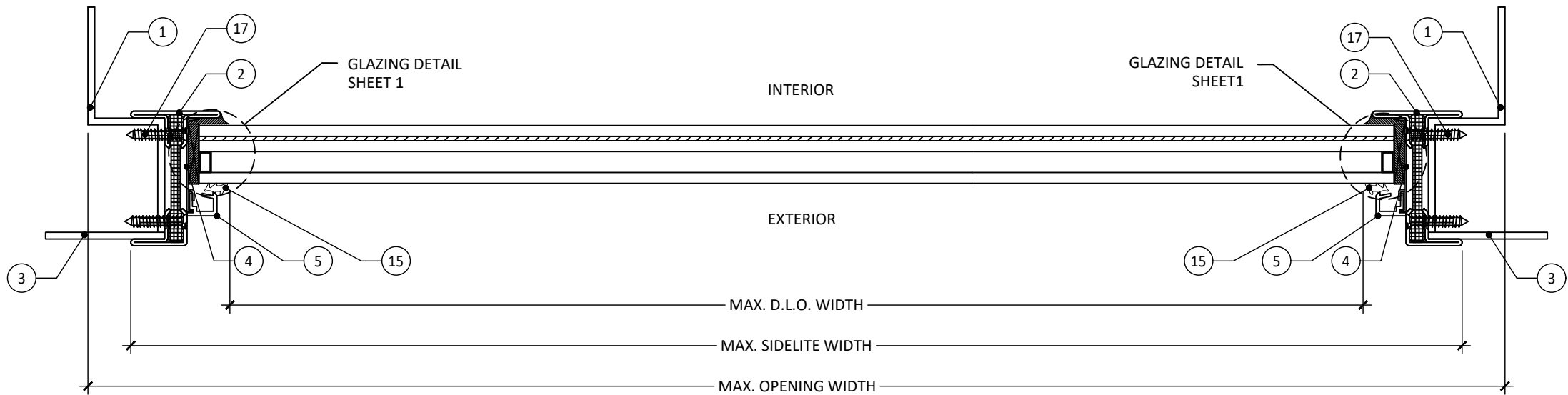
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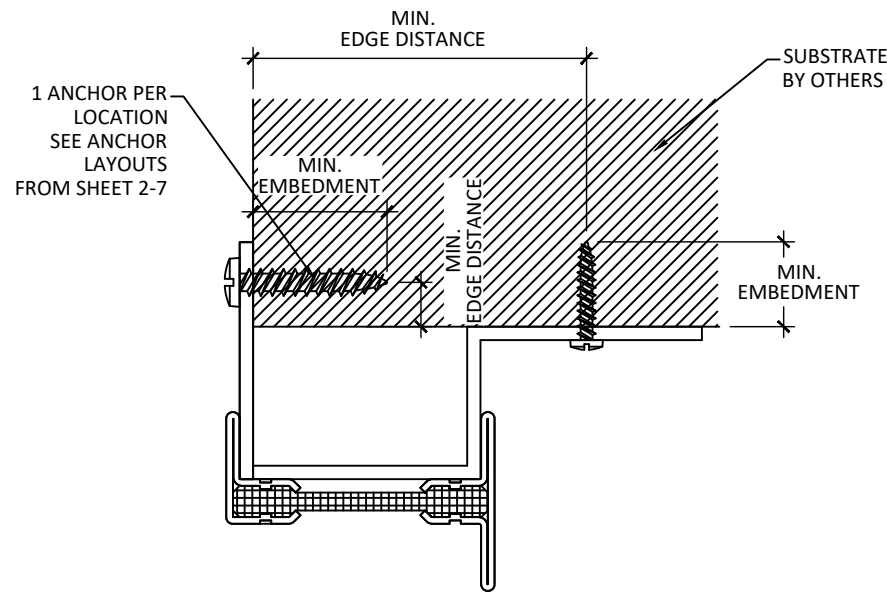


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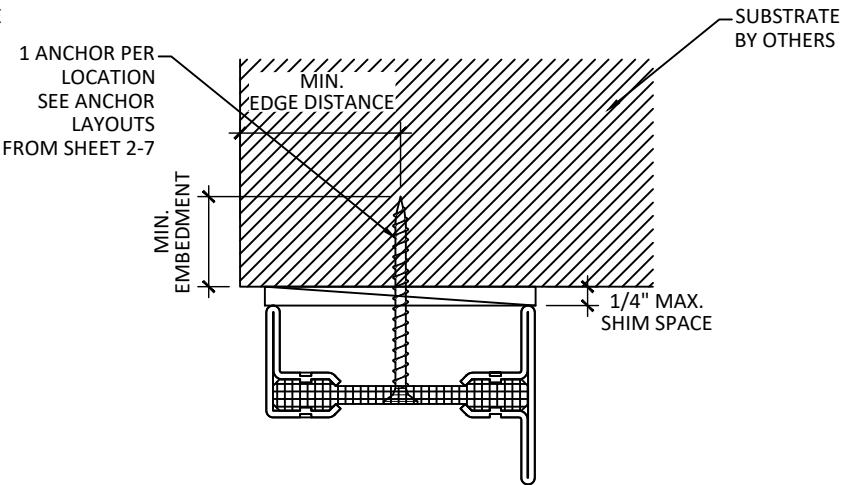


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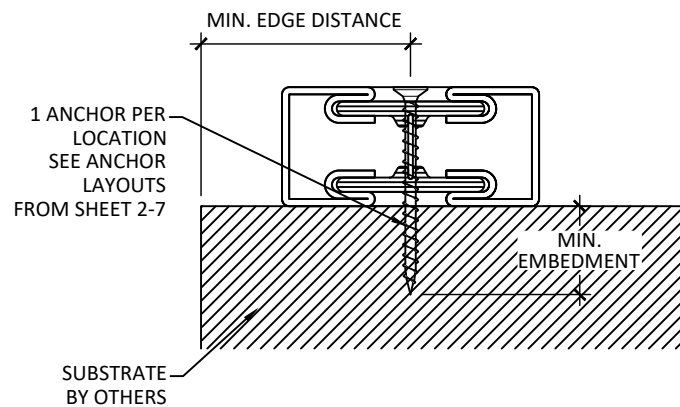
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A
12 **ANCHOR INSTALLATION**
THROUGH BRACKET
DOOR HEAD AND JAMB
SIDELITE HEAD, JAMB AND SILL



B
12 **ANCHOR INSTALLATION**
THROUGH FRAME
DOOR HEAD AND JAMB
SIDELITE HEAD, JAMB AND SILL



C
12 **ANCHOR INSTALLATION**
THROUGH FRAME
DOOR THRESHOLD

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH METAL BRACKET (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"
THROUGH METAL BRACKET (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#10 TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
THROUGH FRAME (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	1.00"
THROUGH FRAME (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	1/4" TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
THROUGH FRAME (HEAD/JAMB)	MIN. 3000 PSI CONCRETE	1/4" ITW TAPCON	1.75"	1.25"
THROUGH FRAME (HEAD/JAMB)	MASONRY: CMU PER ASTM C90, MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	1.25"
THROUGH FRAME (SILL)	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	0.75"
THROUGH FRAME (SILL)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#12 TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
THROUGH FRAME (SILL)	MIN. 3000 PSI CONCRETE	1/4" ITW TAPCON	1.75"	1.25"
THROUGH FRAME (SILL)	MASONRY: CMU PER ASTM C90, MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	1.25"

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE SPECIFIED.
- INSTALLATION ANCHOR FROM HINGE THOUGH FRAME INTO SUBSTRATE WITH APPROPRIATE EMBEDMENT, EDGE DISTANCE AND ANCHOR TYPE. REFER TO ANCHOR SCHEDULE ON THIS SHEET.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- FOR MASONRY OR CONCRETE OPENINGS A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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, HIGH IMPACT, NON-METALIC, NON COMPRESSIBLE, NATURALLY DURABLE & PRESERVATIVE TREATED MATERIALS.
- 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 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.



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DOORS (WZ3)/(IMPACT)

INSTALLATION DETAIL & NOTES

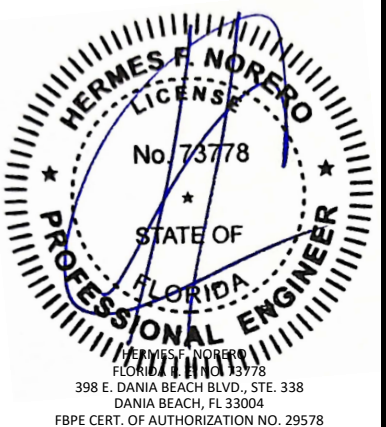
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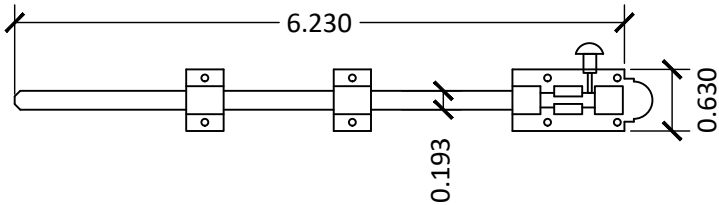
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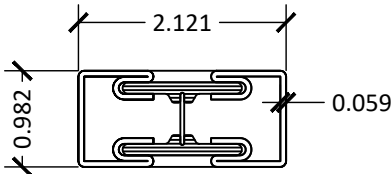
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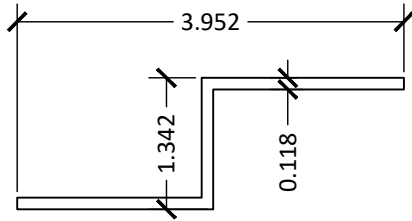
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUFACTURER
1	-	BRACKET	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
2	605.610Z	FRAME JAMB	Q235B STEEL + FIBER INSULATION	JANSEN AG
3	-	FIN	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
4	CP43	CLIP FOR GLAZING BEAD	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	MONTANSTAHL AG
5	CTF13	GLAZING BEAD	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	FUJIAN MINFA ALUMINUM INC.
6	407.009	DRIP CAP	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	FUJIAN MINFA ALUMINUM INC.
7	CX36220	SURFACE BOLT	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
8	600.008Z	THRESHOLD	Q235B STEEL + FIBER INSULATION	JANSEN AG
9	601.615 Z	DOUBLE DOOR STILE	Q235B STEEL + FIBER INSULATION	JANSEN AG
10	1	DOOR STOP	Q235B STEEL	-
11	PJ013	Ø 0.7" X 4.7" HINGE	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
12	605.615Z	MULLION	Q235B STEEL + FIBER INSULATION	JANSEN AG
13	603.615Z	DOOR STILE	Q235B STEEL + FIBER INSULATION	JANSEN AG
14	-	WHILTSHIRE ENTRY HANDLE	BRASS	WESLOCK
15	900.012	FRONT GASKET	EPDM RUBBERS	MONTANSTAHL AG
16	455.047	WEATHER STRIP	EPDM RUBBERS	JANSEN AG
17	LS267	#10 x1" SMS @ 32" O.C.	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
18	900.009	WEATHER STRIP	EPDM RUBBERS	MONTANSTAHL AG



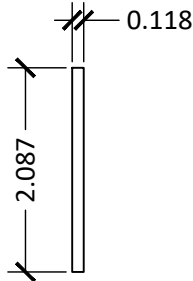
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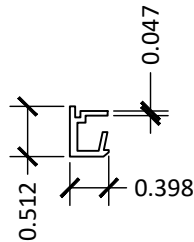
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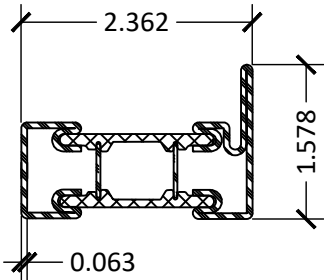
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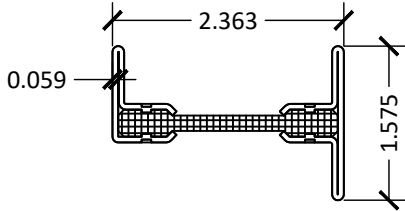
3 FIN



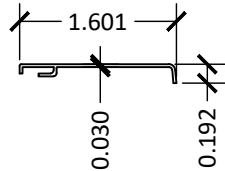
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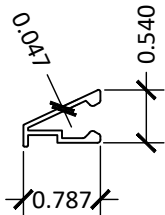
9 DOUBLE DOOR STILE



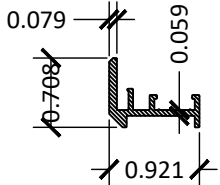
2 FRAME JAMB



4 CLIP FOR GLAZING BEAD



6 DRIP CAP



10 DOOR STOP



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COMPONENTS

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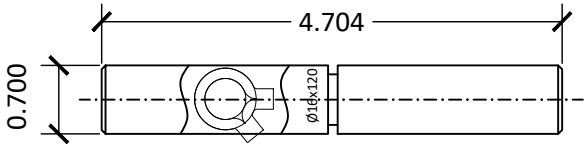
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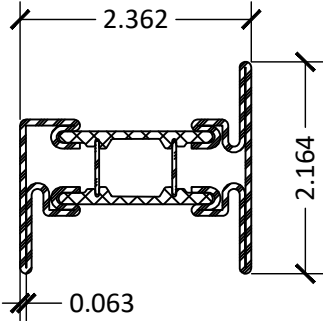
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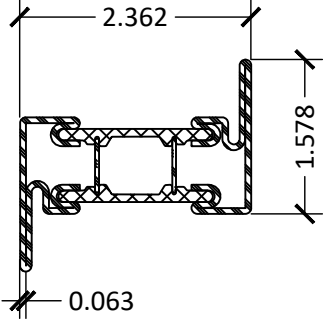
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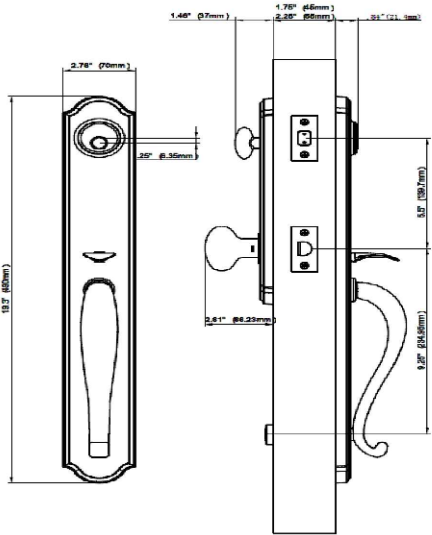
11 Ø 0.7" X 4.7" HINGE



12 MULLION



13 DOOR STILE



14 WHILTSHIRE ENTRY HANDLE

LOCK SPECIFICATIONS	
MANUFACTURER	WESLOCK
CYLINDER	SCHLAGE "C" 5 PIN KEY
LATCH	NON MORTISE STANDARD, 1" THROW
HANDING	NON HANDED
MATERIAL	BRASS
STRIKE PLATE	2-1/4" FULL LIP AND 1" X 2-1/4" ROUND & SQUARE
STANDARDS	ANSI A 156.2 GRADE II LOCK



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