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PALM CITY IRONWORKS, INC.

URBAN SERIES OUTSWING NARROW STILE DOOR (WZ3)(IMPACT)

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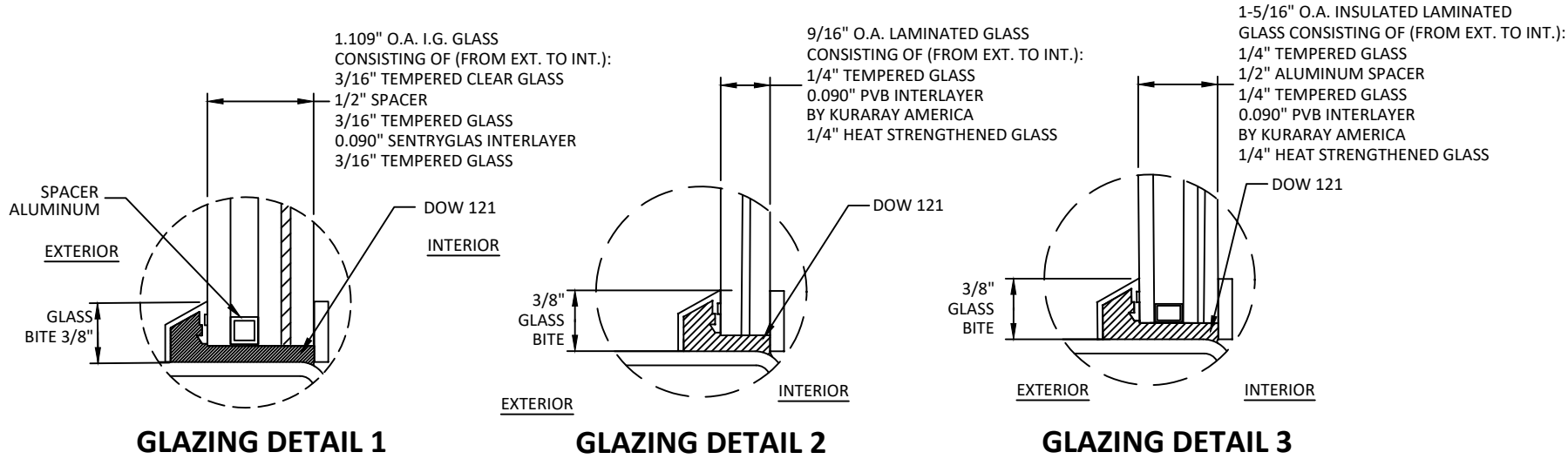
GENERAL NOTES:

- 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
- 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.
- 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. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
- DOOR MATERIAL: Q235B STEEL
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC REQUIREMENTS CHAPTER 20.
- CUSTOM SIZES AVAILABLE UPON REQUEST.

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DESIGN PRESSURE RATING			
MAX. O.A. PRODUCT SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
80.00"	132.00"	+70.0/-70.0 PSF	LARGE AND SMALL MISSILE IMPACT RATED
48.00"			
42.00"			
80.00"			
80.00"			
128.00"	156.00"		
90.00"			

- GLAZING NOTES:
- GLASS TYPE AND THICKNESS COMPLY 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.
 - 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 SHOWN HEREIN.



PALM CITY IRONWORKS, INC.
3160 KUTAK RD.
FORT MYERS, FL 33916
PH: (239) 691-8400 FX: (239)277-0061

TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)(IMPACT)

GENERAL NOTES & GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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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: 2023.10.20 16:37:26 -0400

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

FL27071

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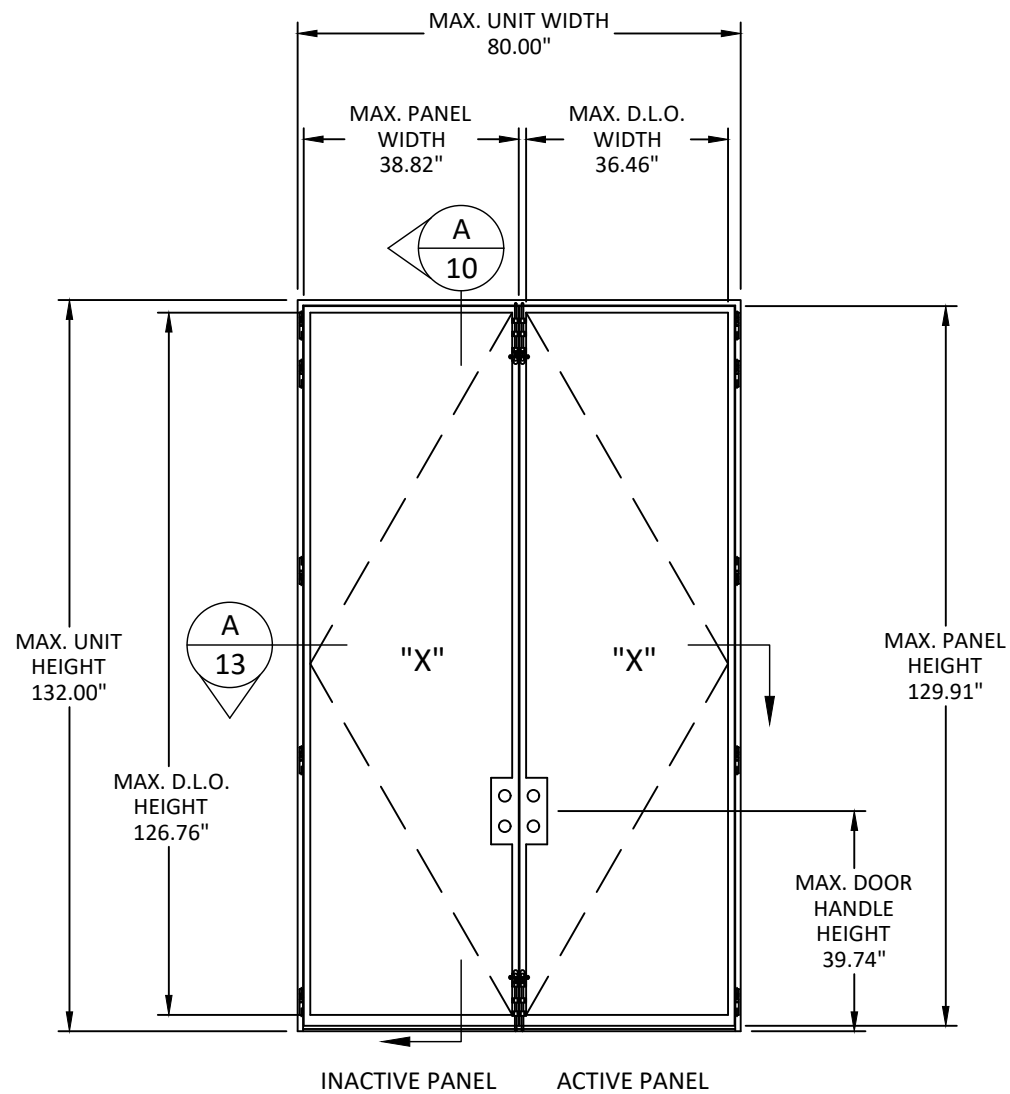
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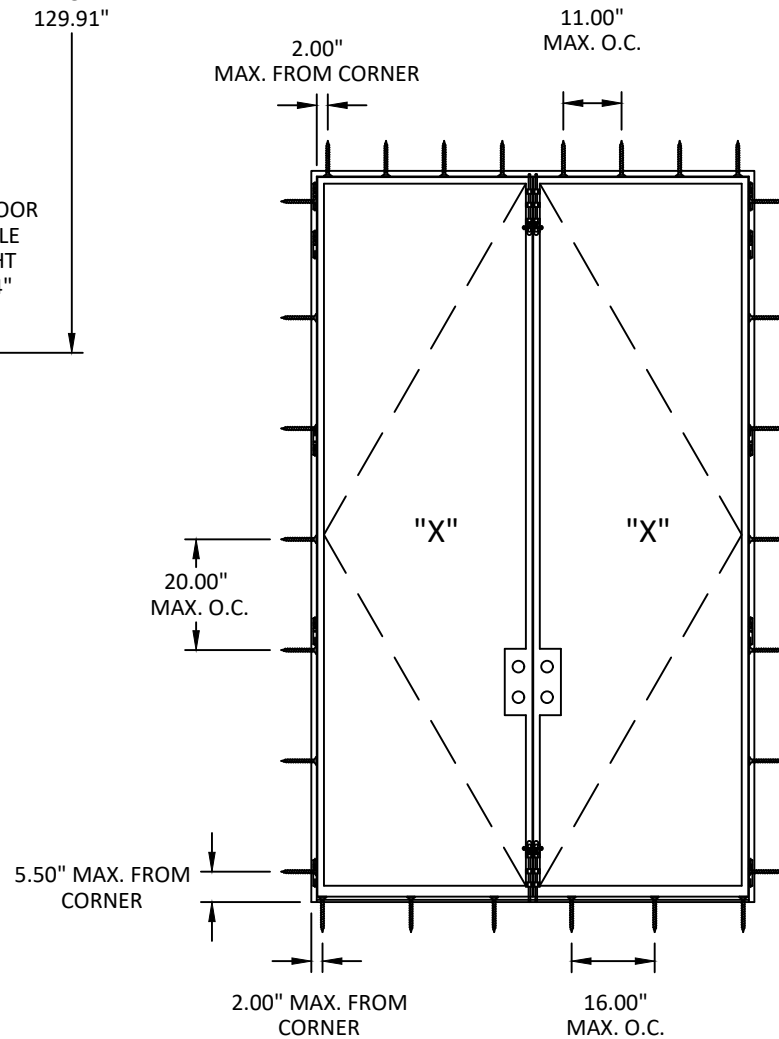
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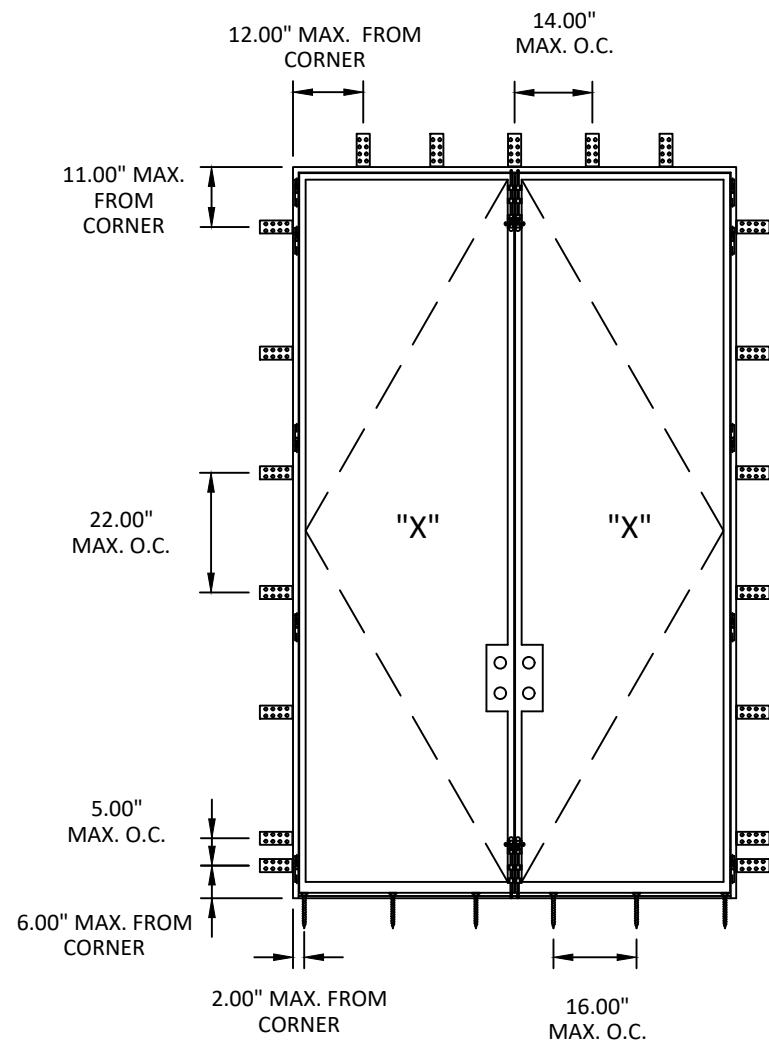
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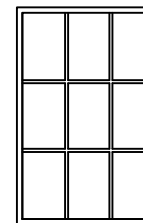
ELEVATION



ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION



ANCHOR LAYOUT
BRACKET INSTALLATION



SIMULATED DIVIDED LITE
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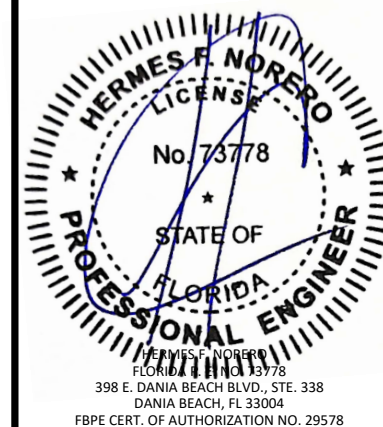
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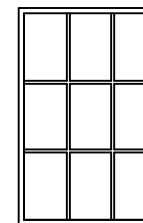
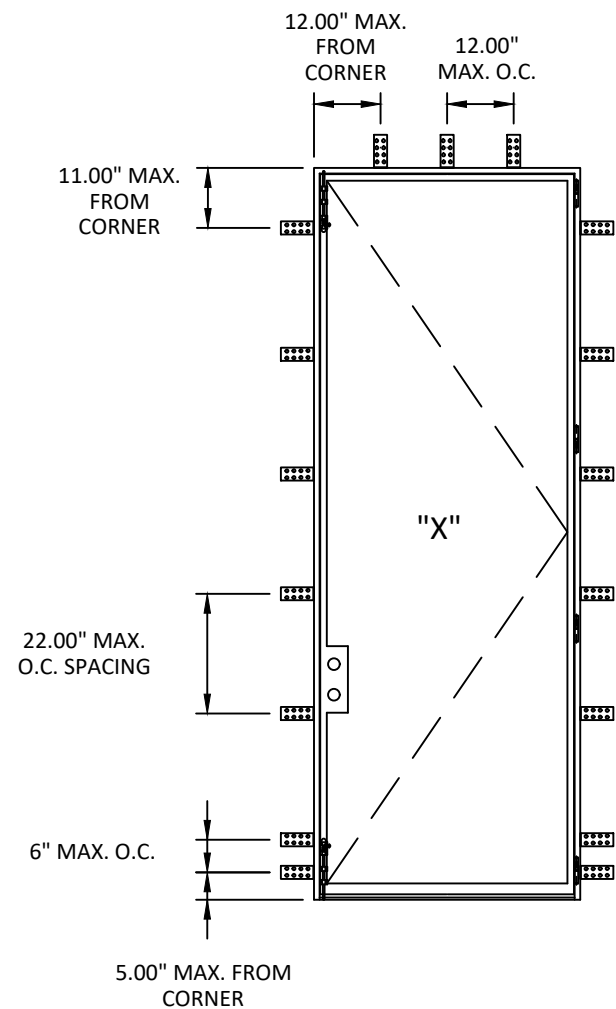
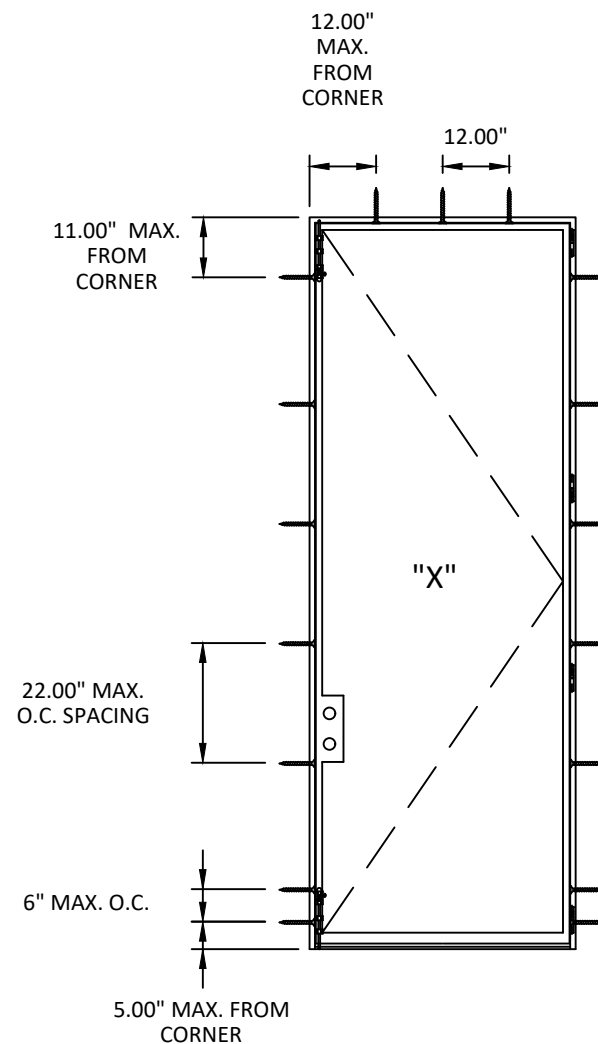
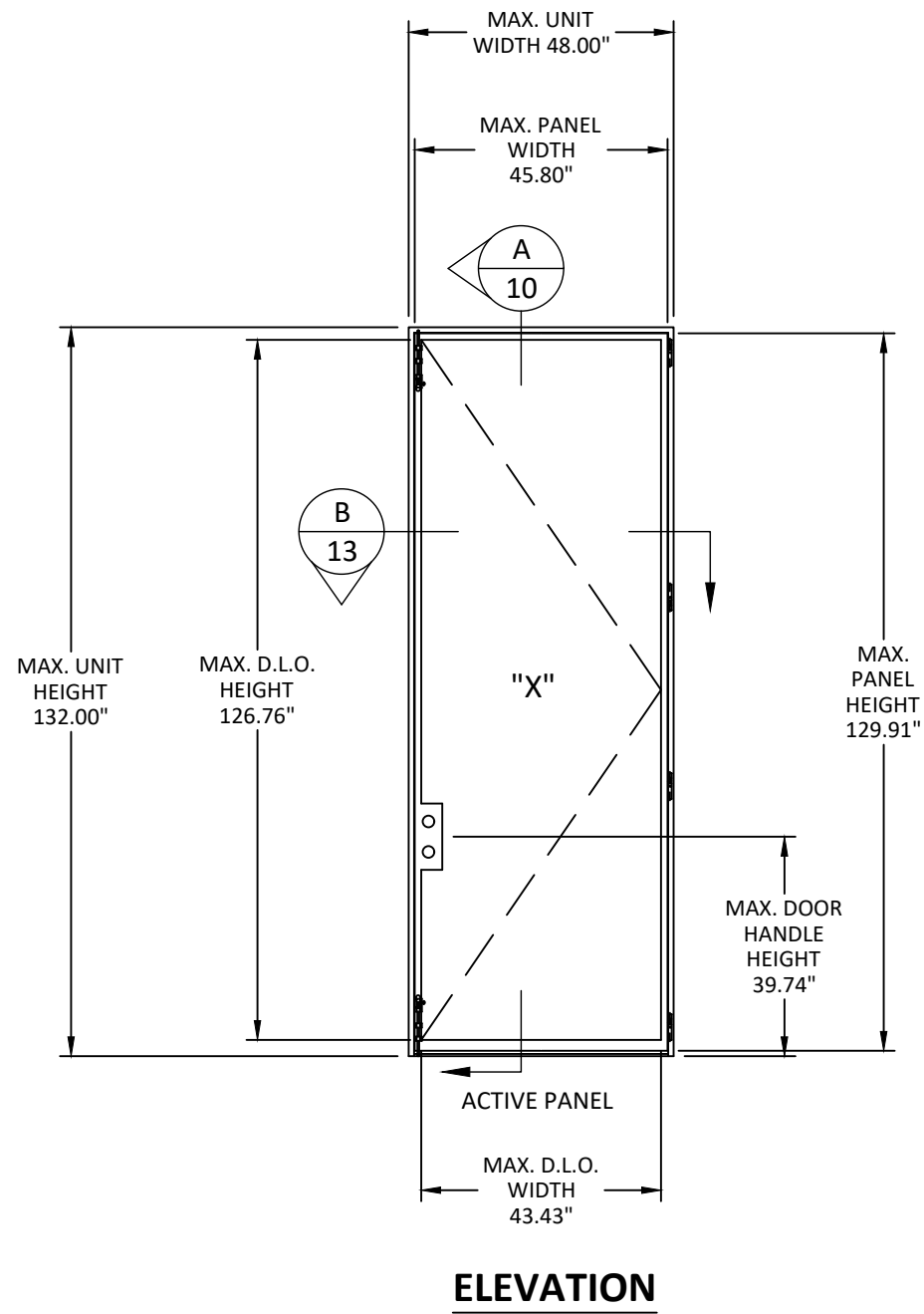
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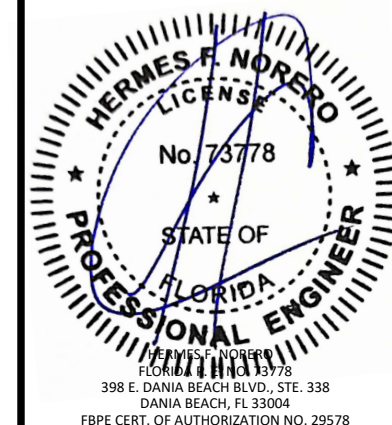
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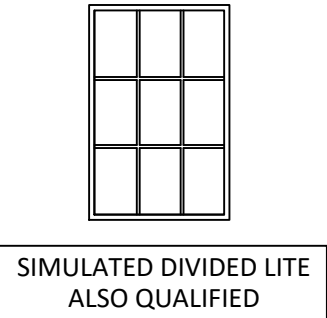
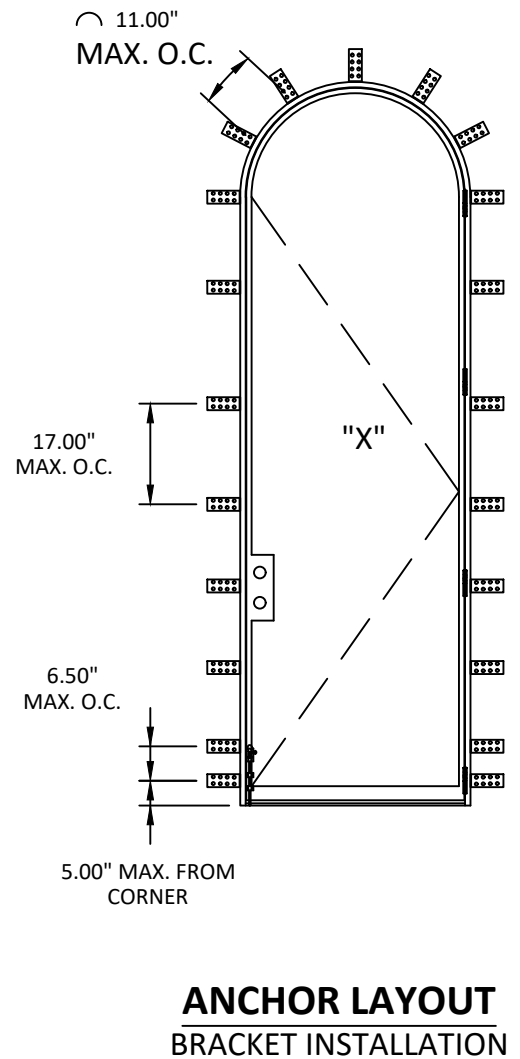
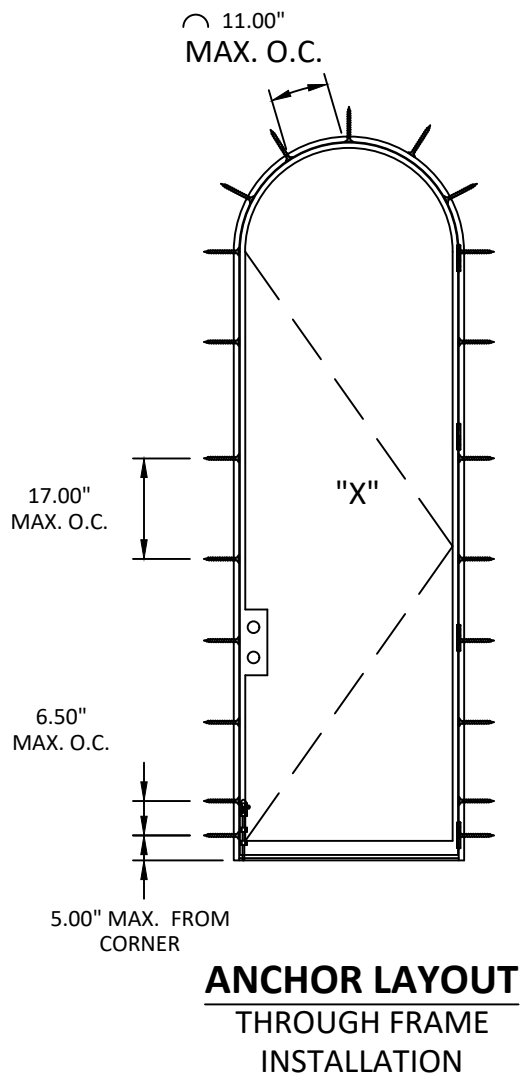
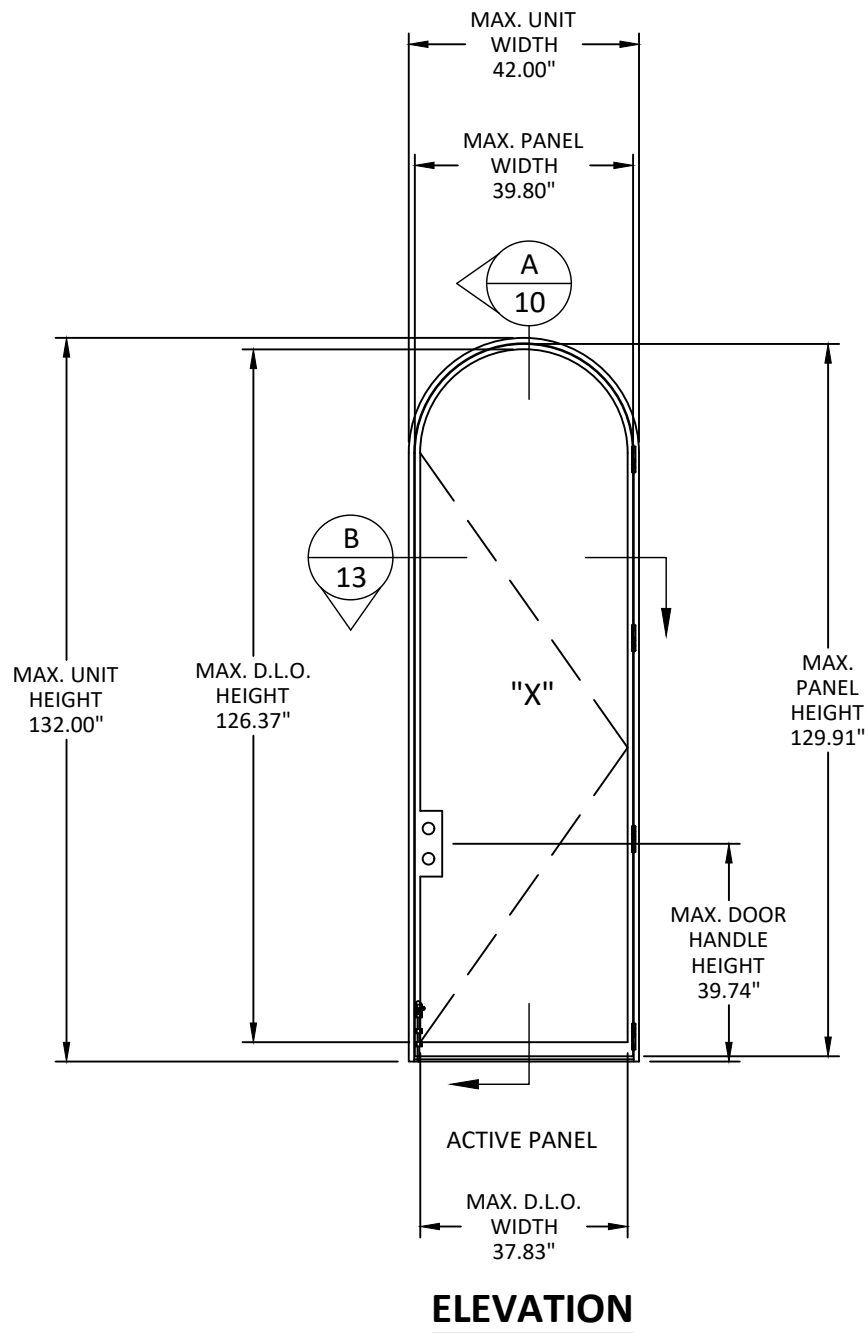
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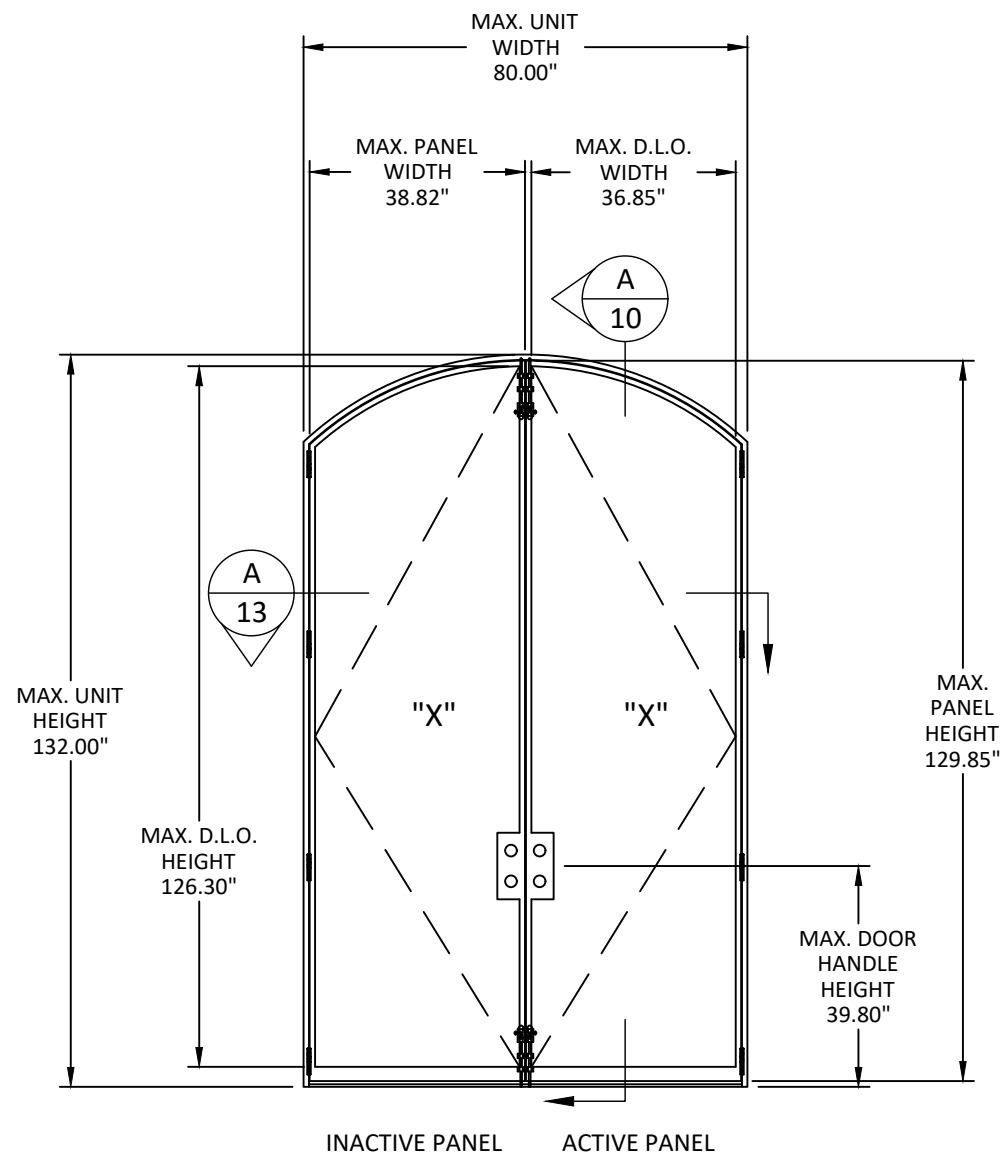
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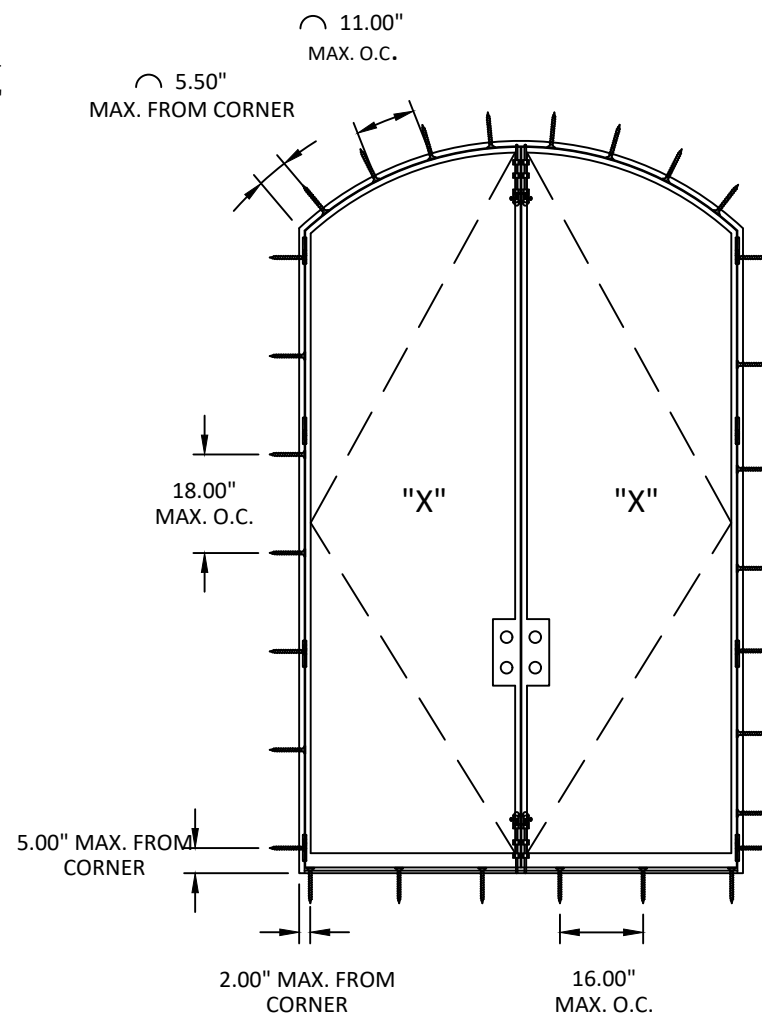
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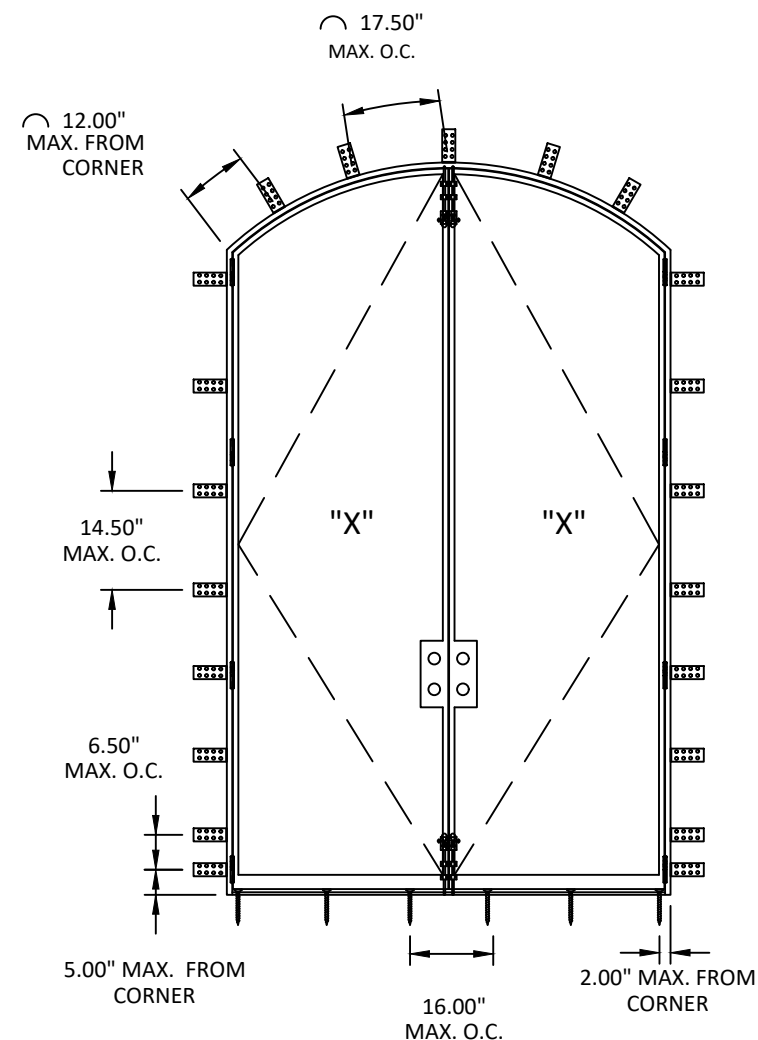
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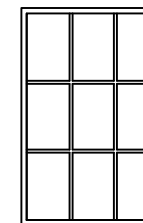
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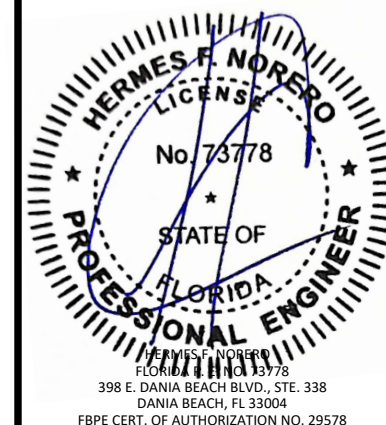
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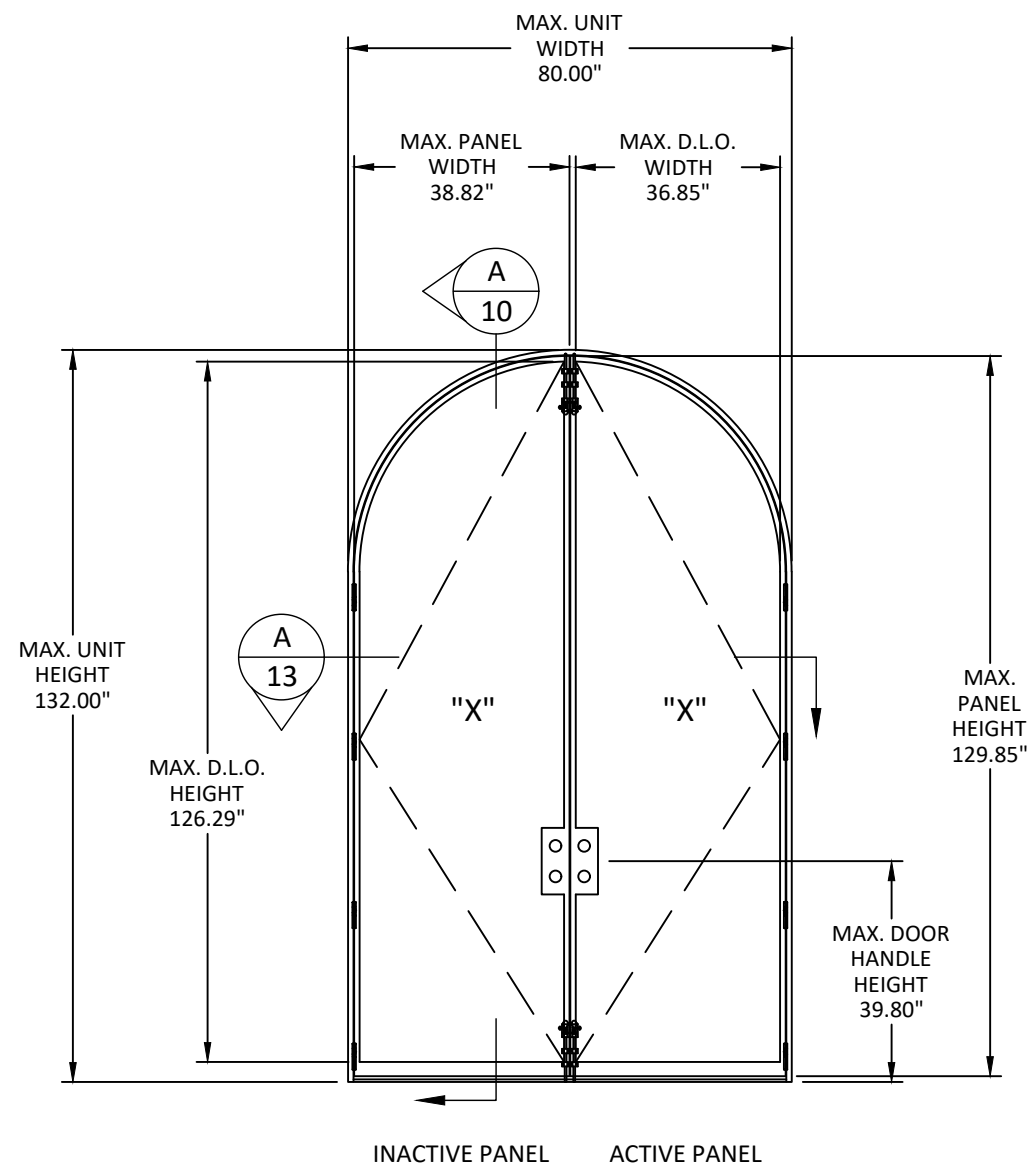
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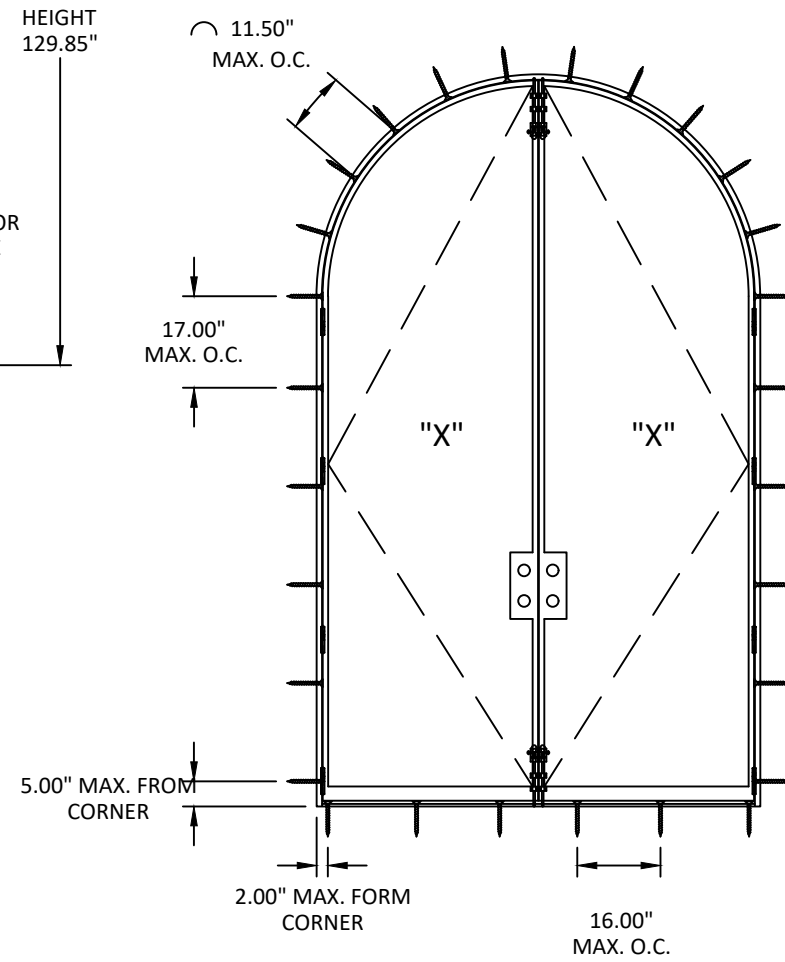
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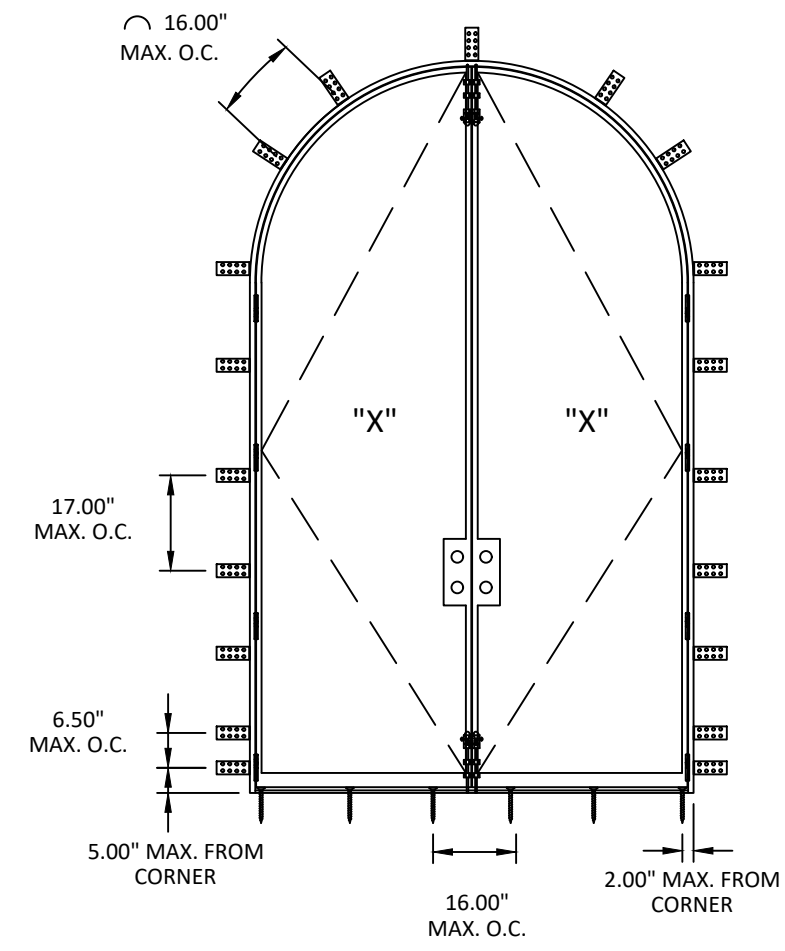
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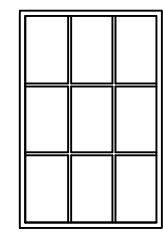
ELEVATION



**ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION**



**ANCHOR LAYOUT
BRACKET INSTALLATION**



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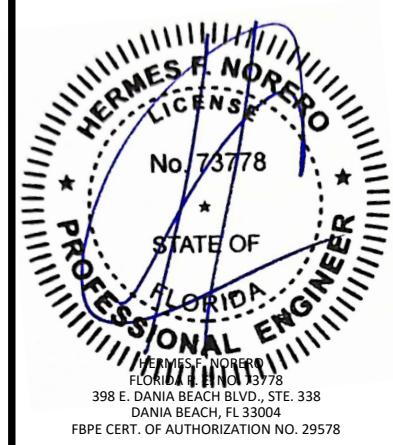
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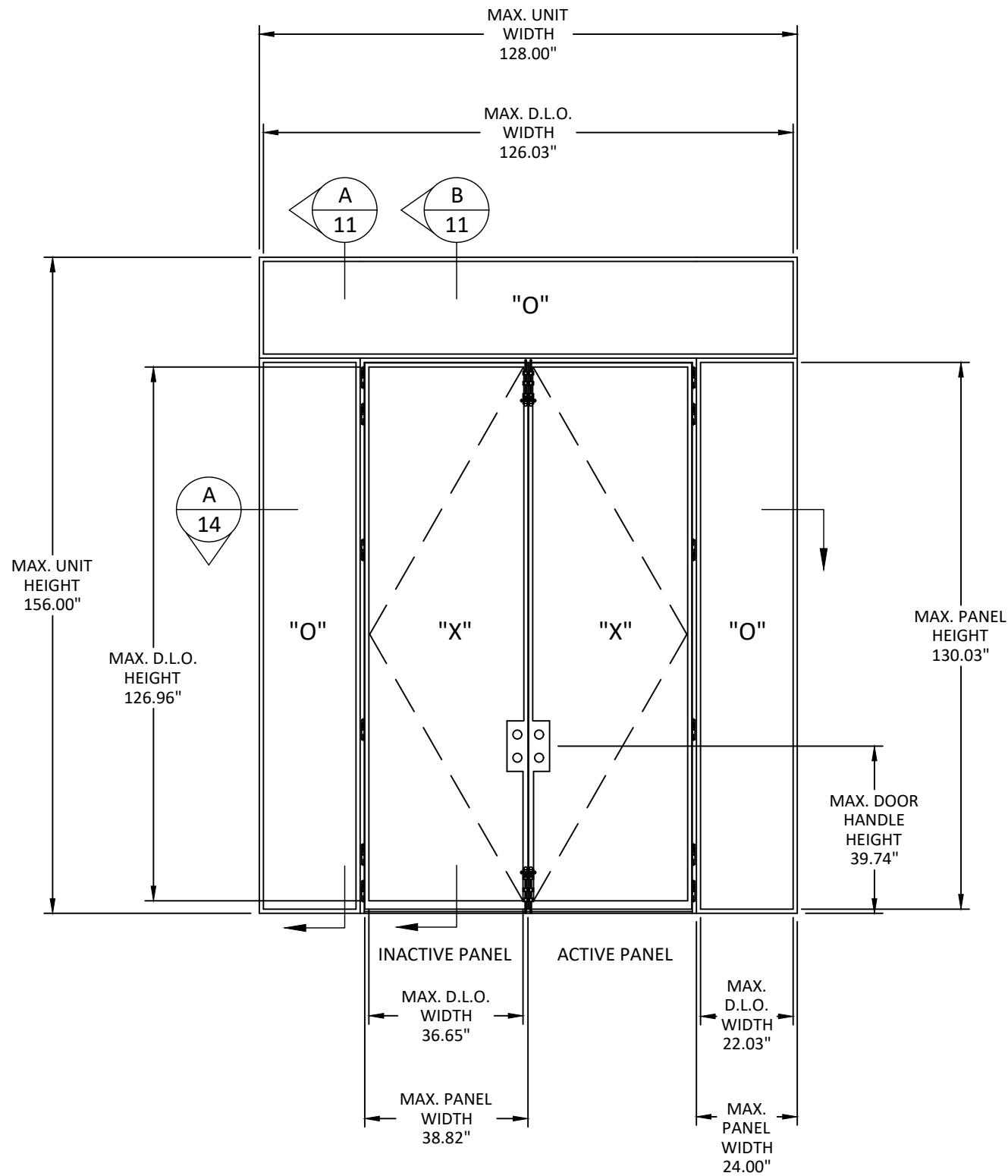
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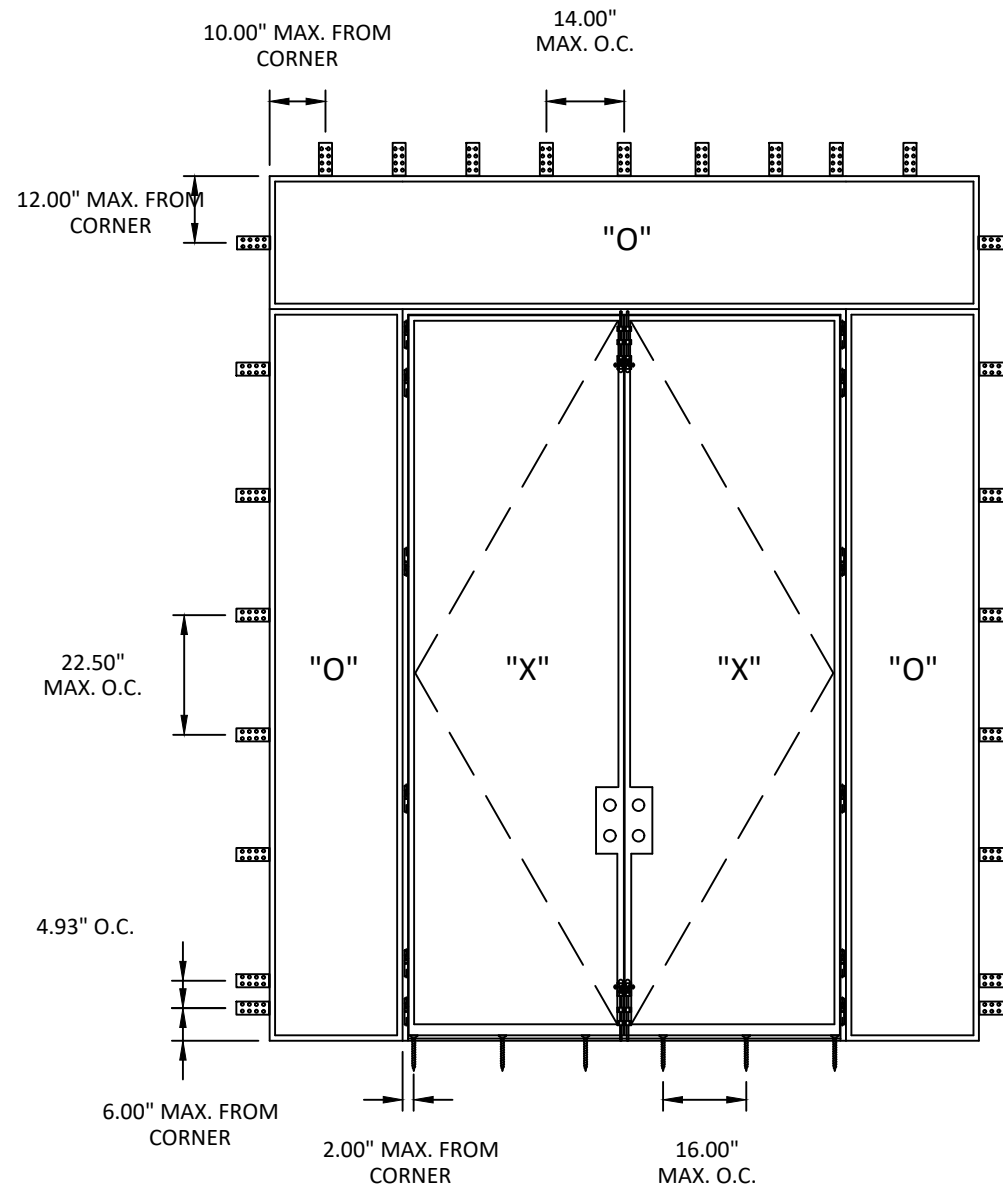
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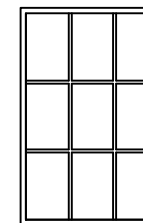
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ELEVATION



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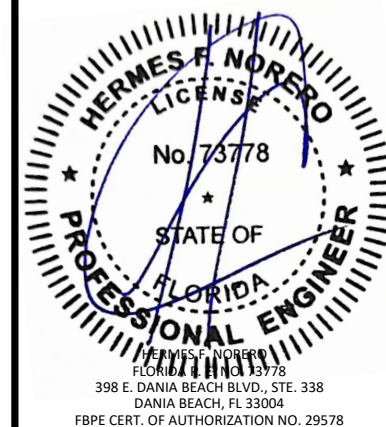
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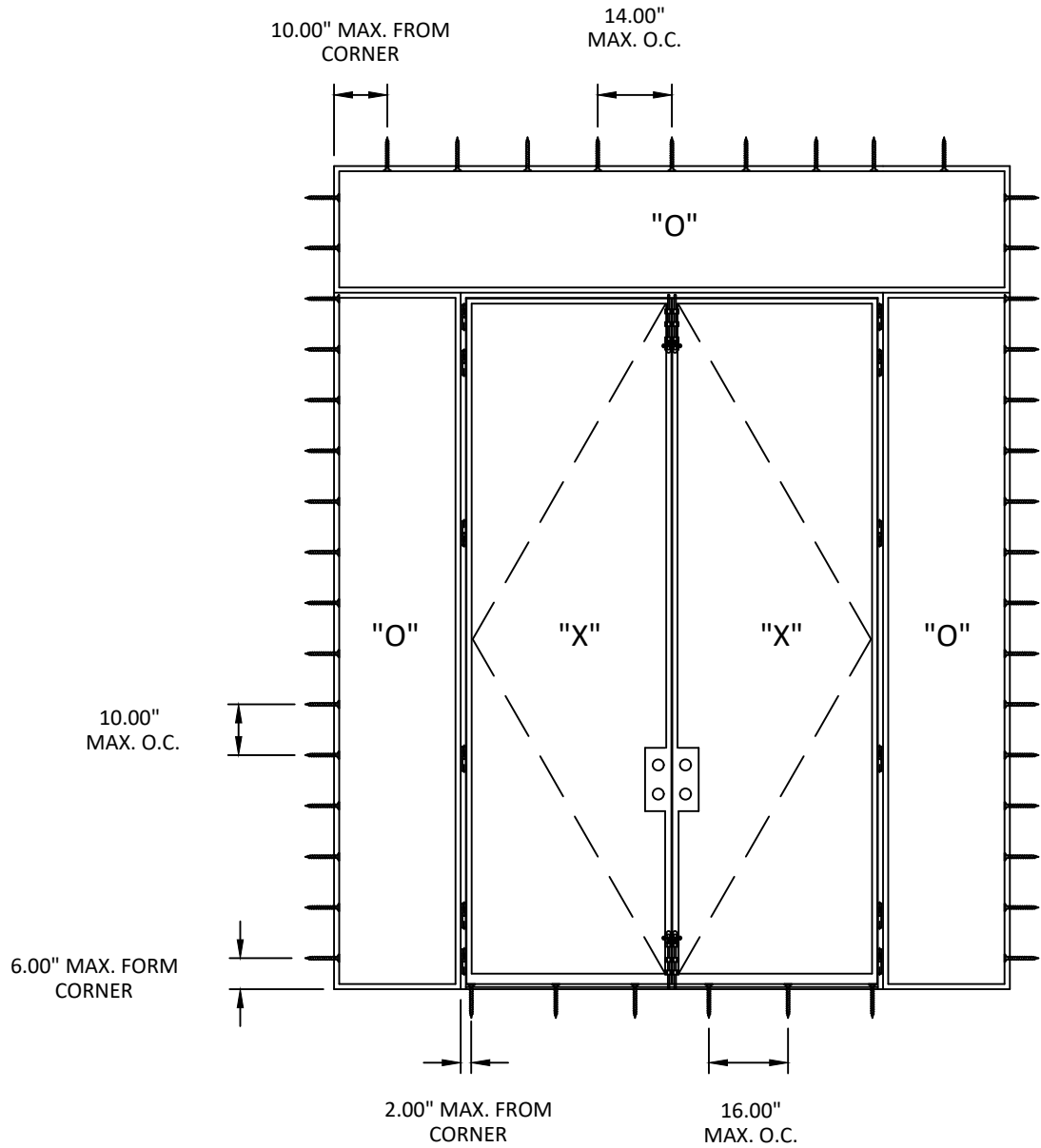
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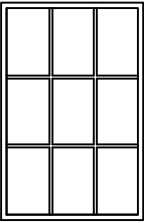
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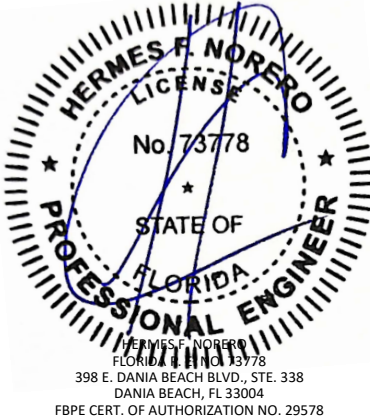
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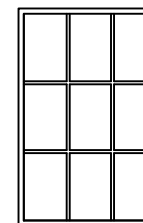
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SIMULATED DIVIDED LITE
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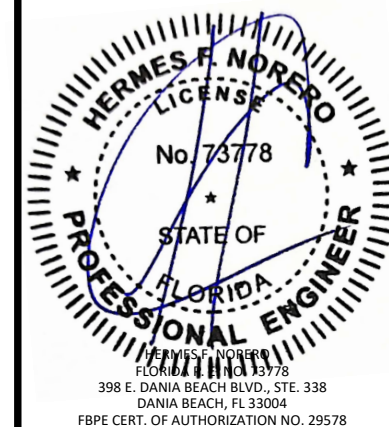


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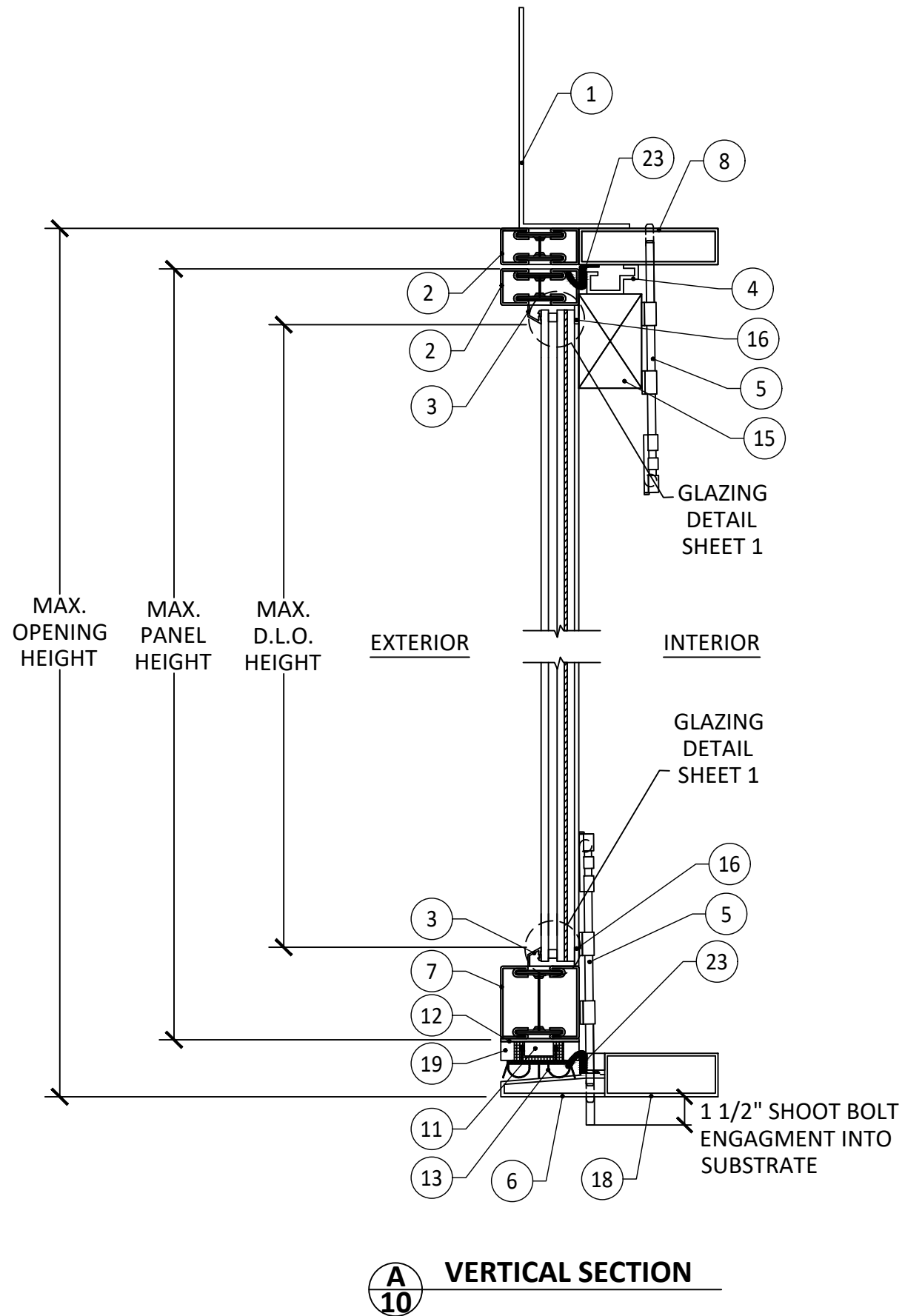
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DWG. #: PCI003

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**Palm City
IRONWORKS**
PALM CITY IRONWORKS, INC.
3160 KUTAK RD.
FORT MYERS, FL 33916
PH: (239) 691-8400 FX: (239)277-0061

TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS

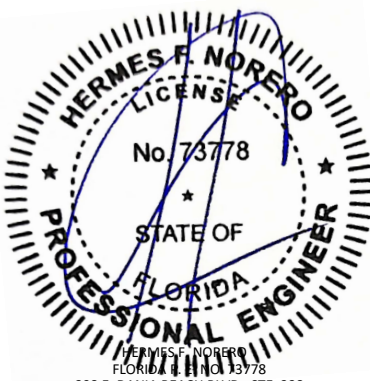
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



BUILDING DROPS

REMARKS	BY	DATE
FBC CODE CHANGE	FB	09/23

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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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DATE: 03.21.19

DWG. BY: JA	CHK. BY: HFN
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SCALE: NTS

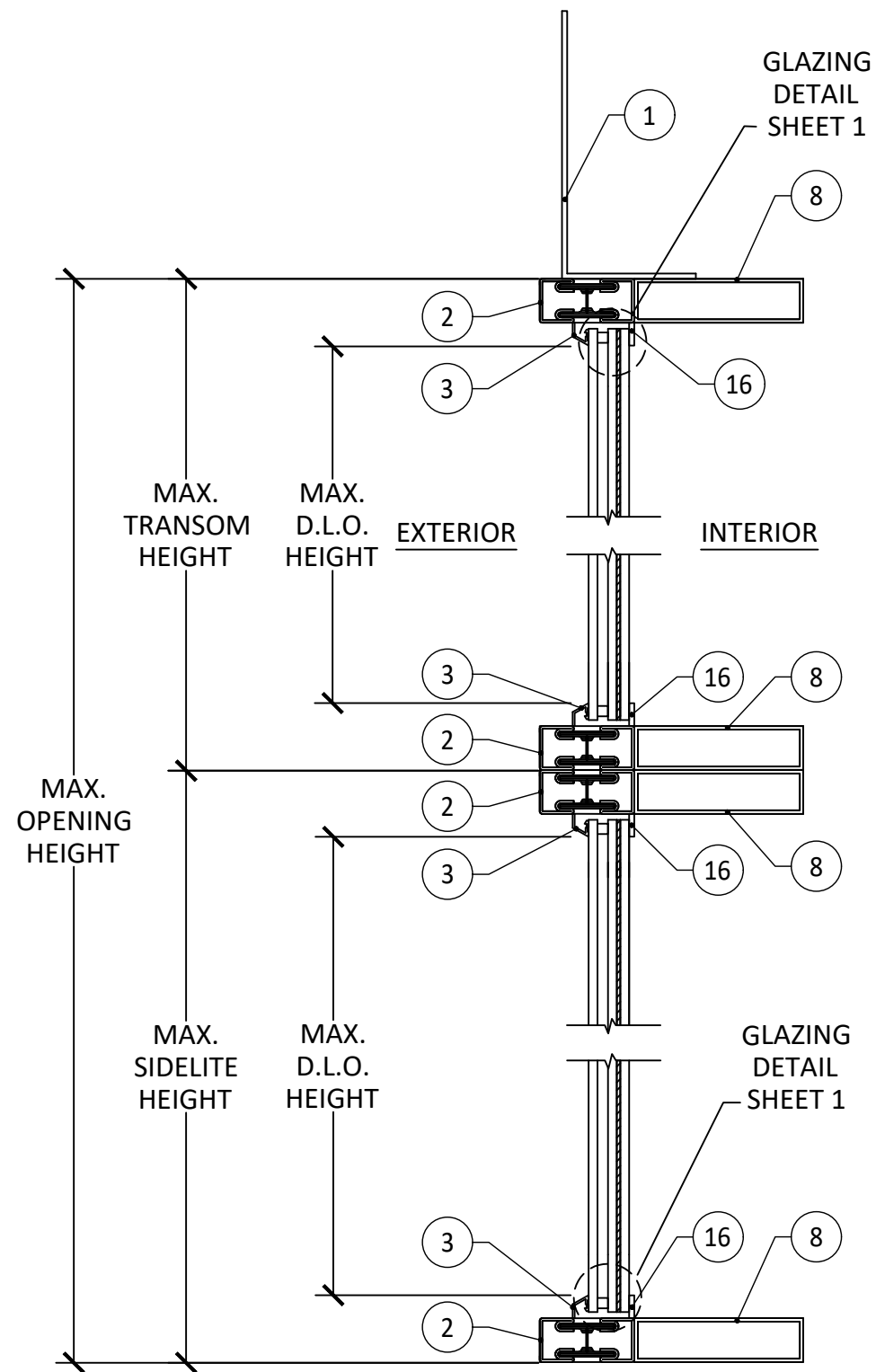
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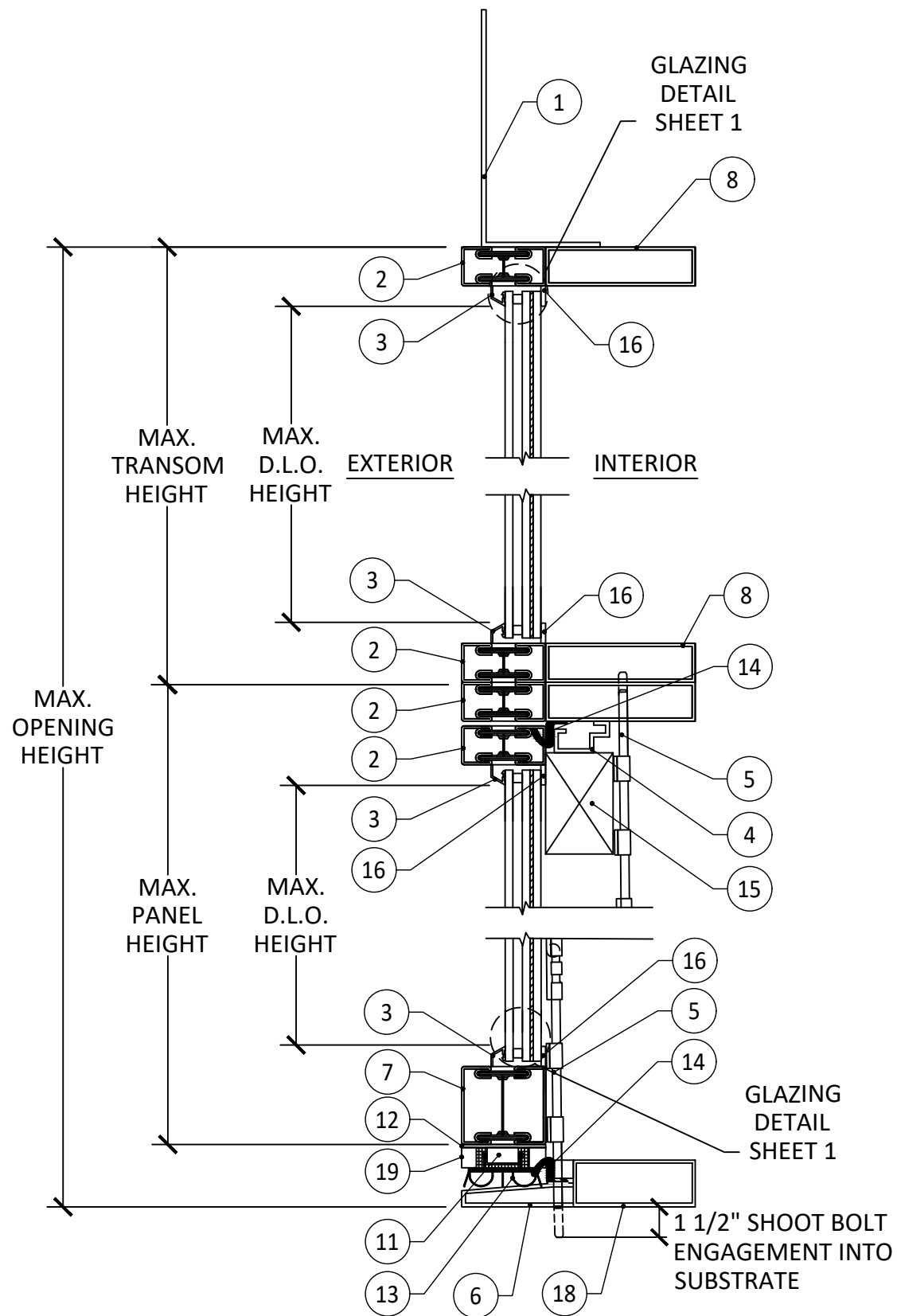
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OF 17

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A
11 VERTICAL SECTION



B
11 VERTICAL SECTION



PALM CITY IRONWORKS, INC.

3160 KUTAK RD.
FORT MYERS, FL 33916

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

TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)(IMPACT)
VERTICAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

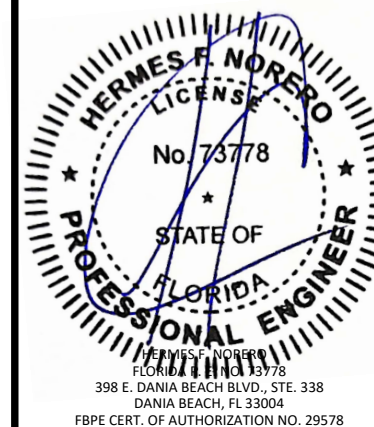
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DWG. BY:
JA

CHK. BY:
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SCALE: NTS

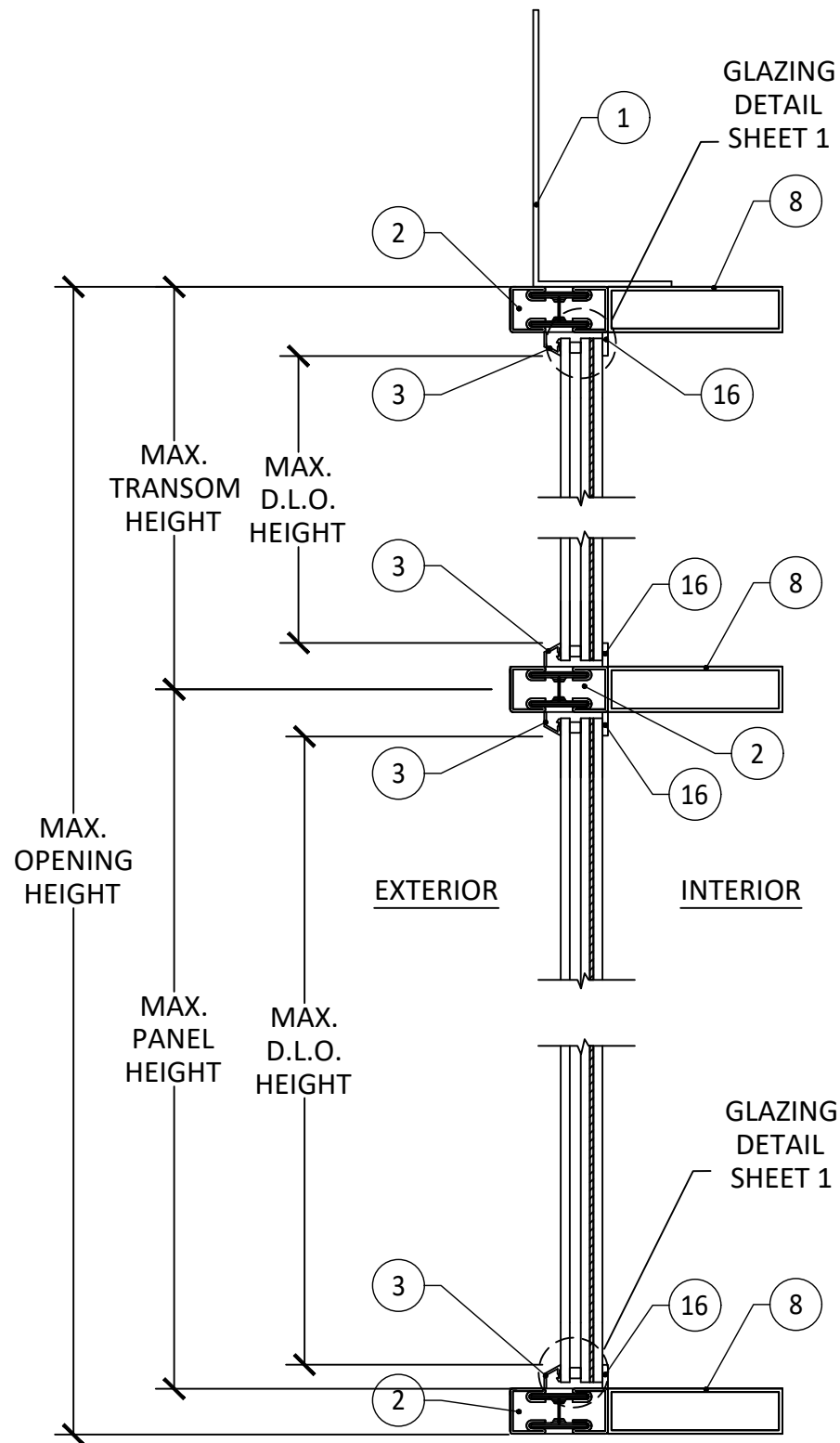
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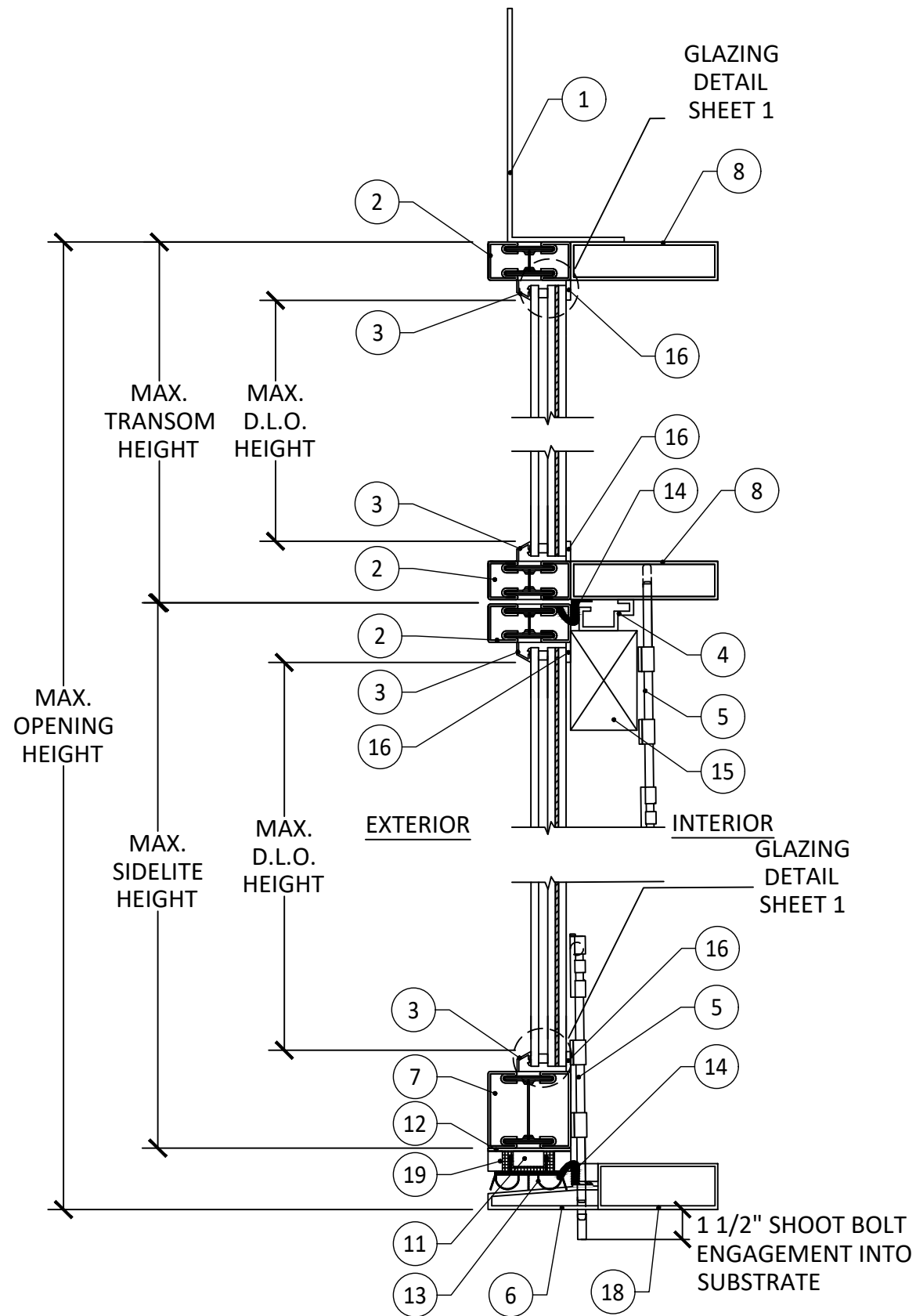
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OF 17

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A
12 VERTICAL SECTION



B
12 VERTICAL SECTION



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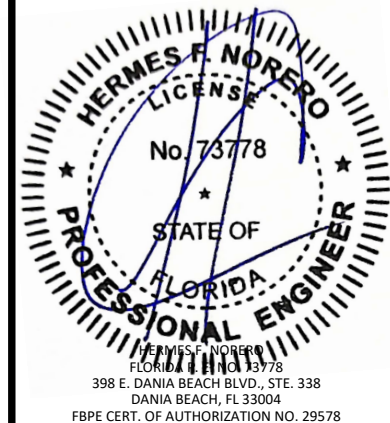
TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(W23)(IMPACT)
VERTICAL SECTIONS

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SCALE: NTS

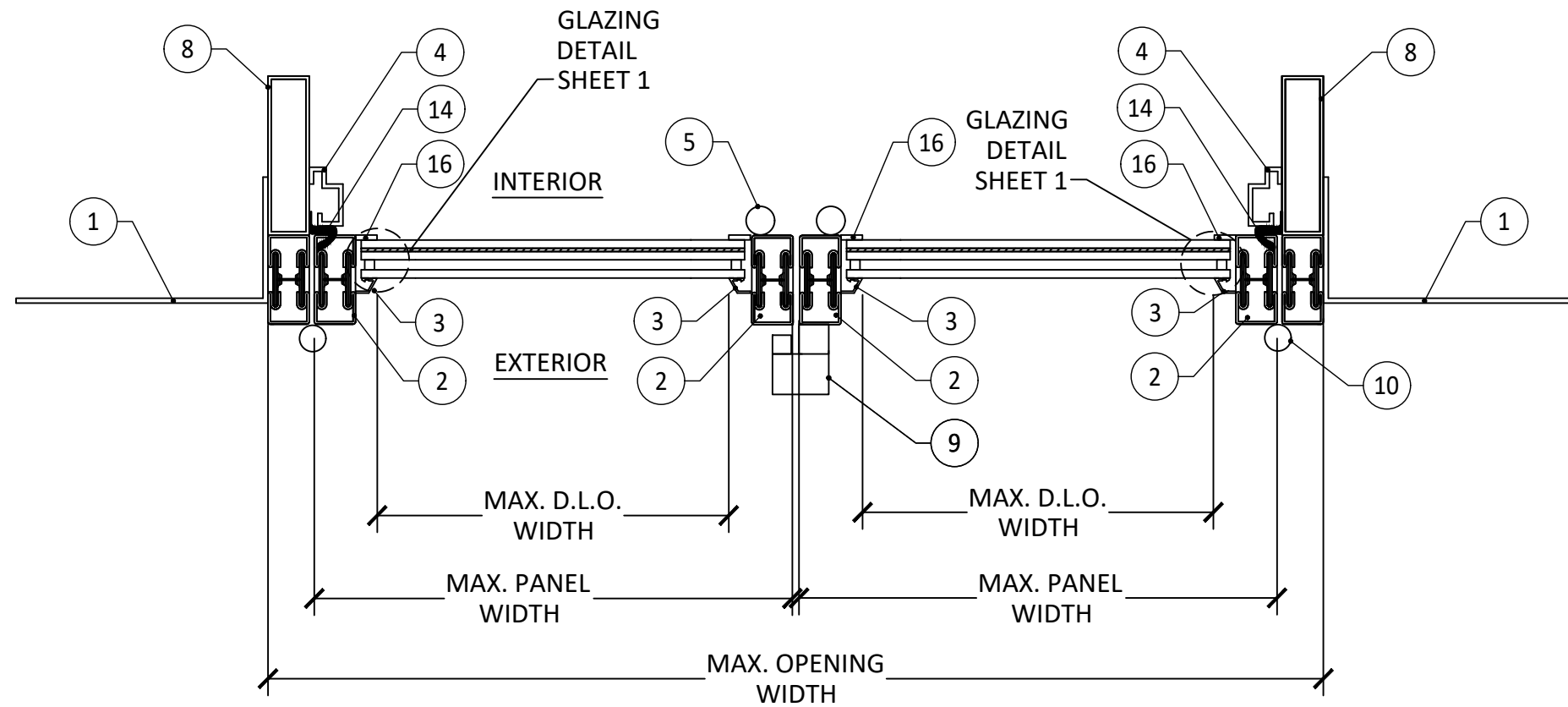
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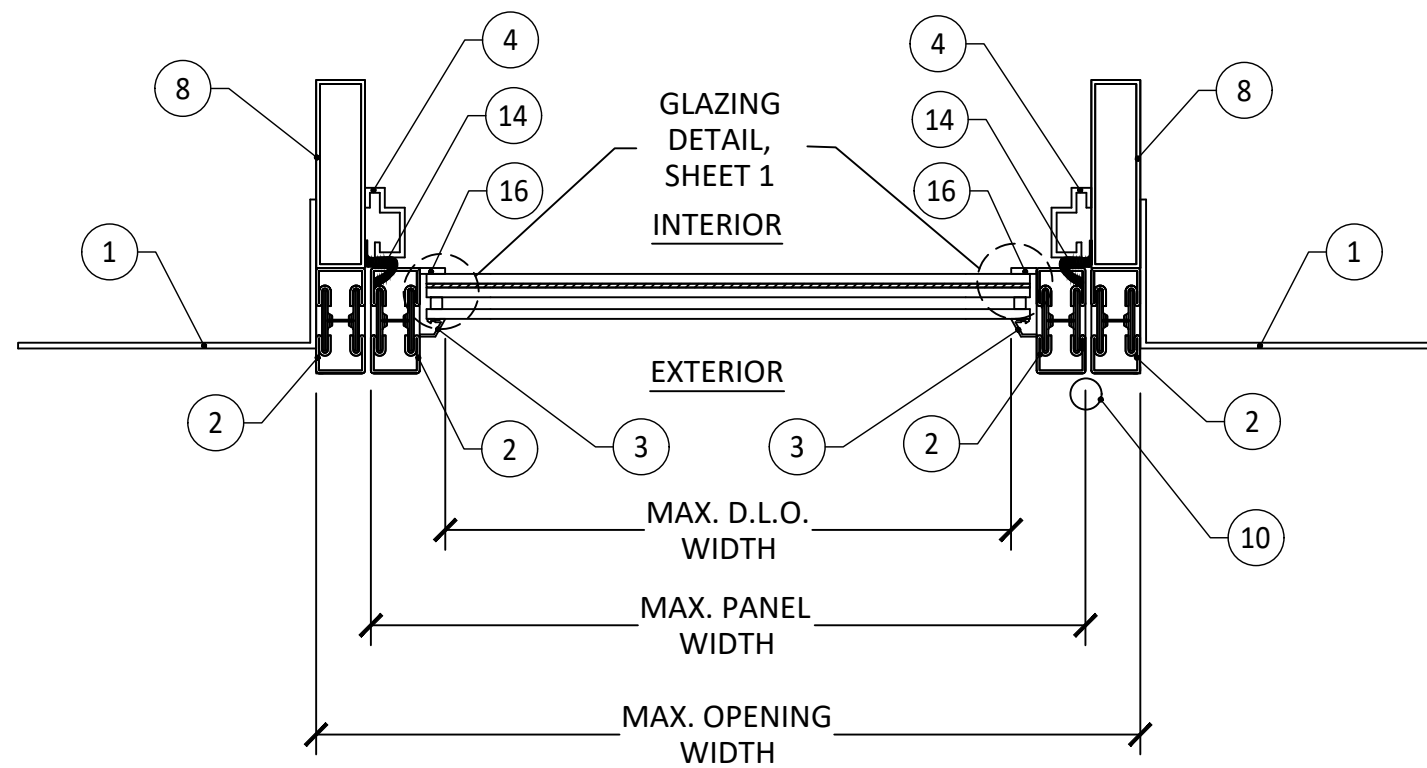
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OF 17

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A HORIZONTAL SECTION
13



B HORIZONTAL SECTION
13



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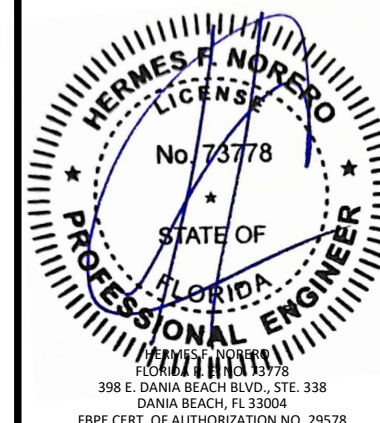
TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)/(IMPACT)
HORIZONTAL SECTIONS

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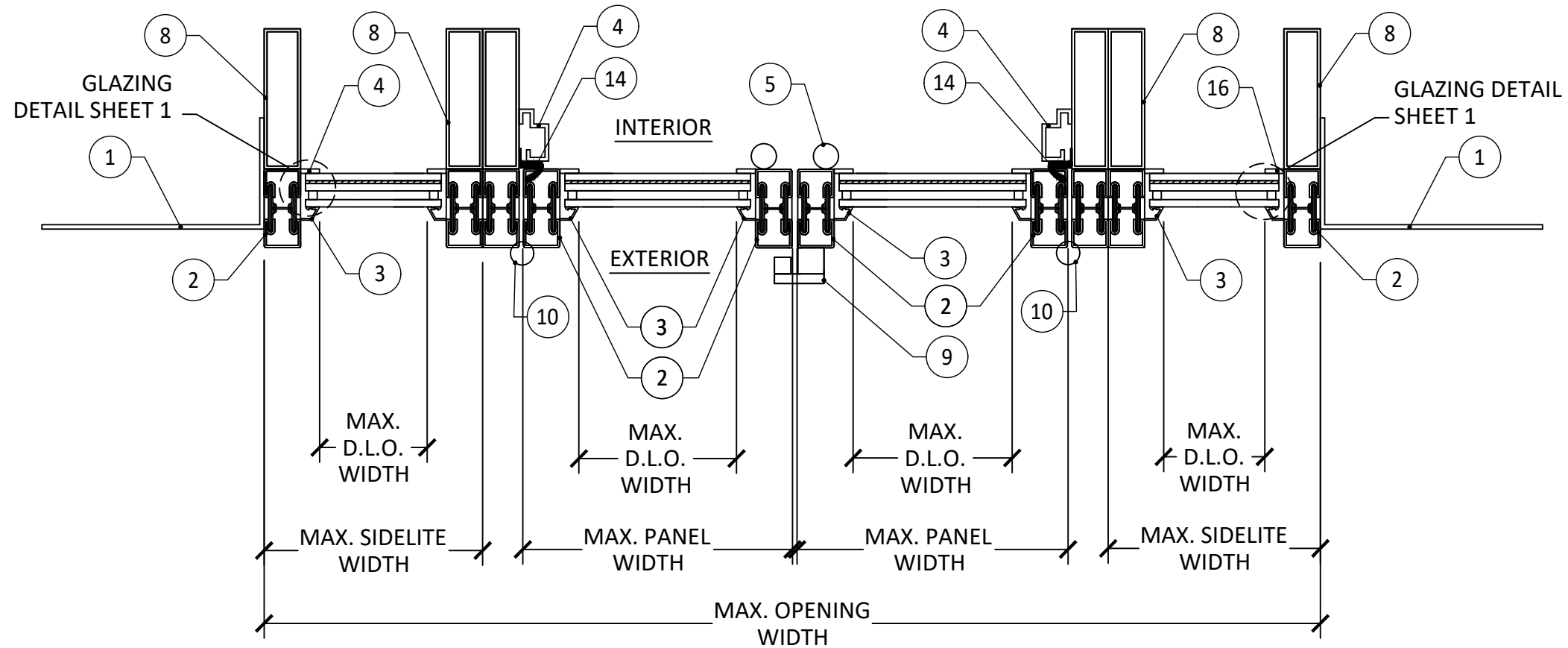
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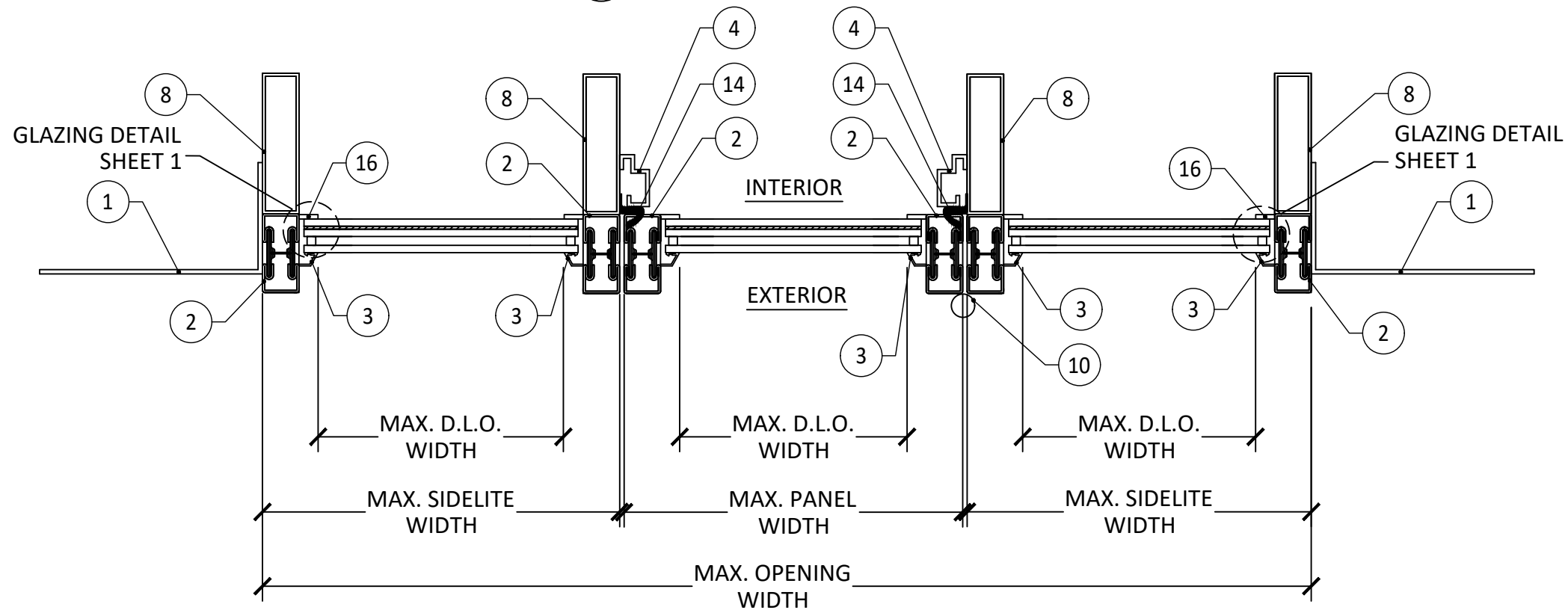
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CHK. BY:	HFN
SCALE:	NTS
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A HORIZONTAL SECTION
14



B HORIZONTAL SECTION
14



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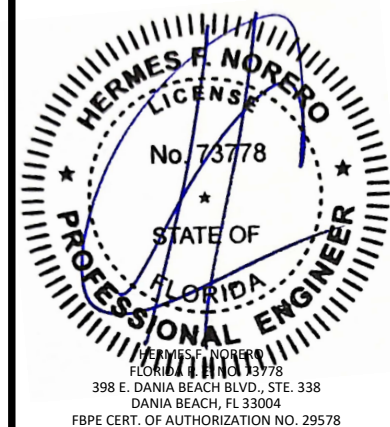
TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)(IMPACT)
HORIZONTAL SECTIONS

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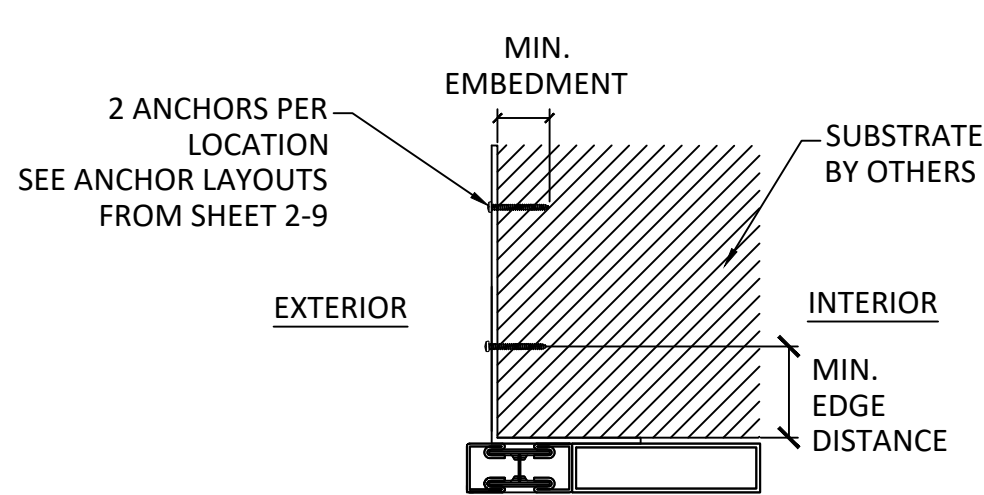
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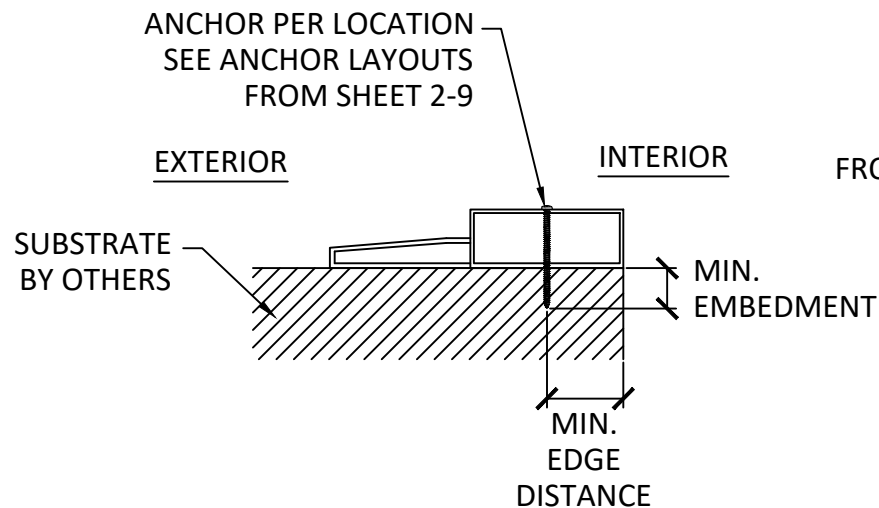
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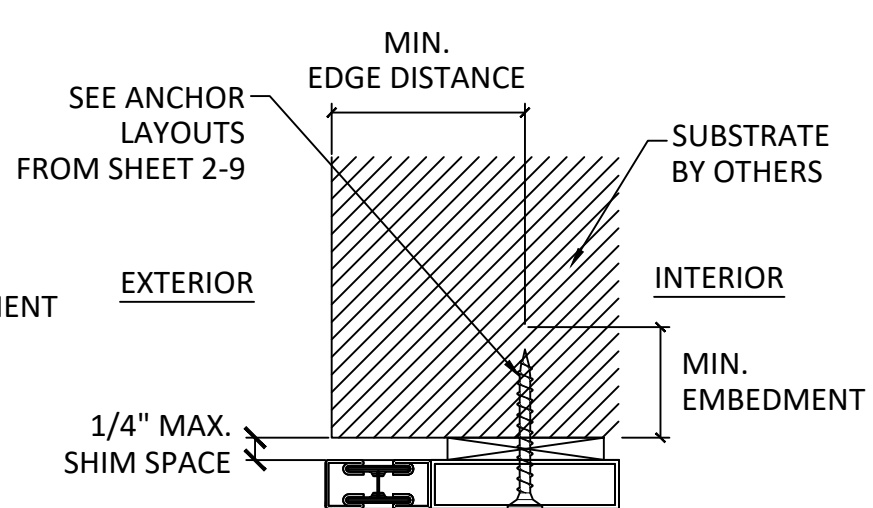
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A
15 **ANCHOR INSTALLATION**
THROUGH METAL BRACKET (HEAD/JAMB)



B
15 **ANCHOR INSTALLATION**
THROUGH FRAME (SILL)



C
15 **ANCHOR INSTALLATION**
THROUGH METAL BRACKET (HEAD/JAMB)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE SPECIFIED.
- 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.
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH METAL BRACKET (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"
THROUGH METAL BRACKET (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#8 TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
THROUGH FRAME (HEAD/JAMB)	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	1.00"
THROUGH FRAME (HEAD/JAMB)	STEEL: MIN. 18 GAUGE, MIN. FY = 36 KSI	#10 TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
THROUGH FRAME (HEAD/JAMB)	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	#8 TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
THROUGH FRAME (SILL)	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"



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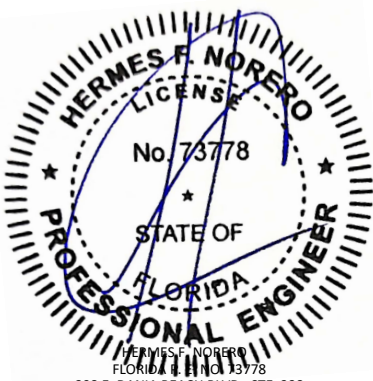
TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)(IMPACT)
INSTALLATION NOTES AND
DETAILS

PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO
FLORIDA LICENSE NO. 73778
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

FL27071

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SCALE: **NTS**

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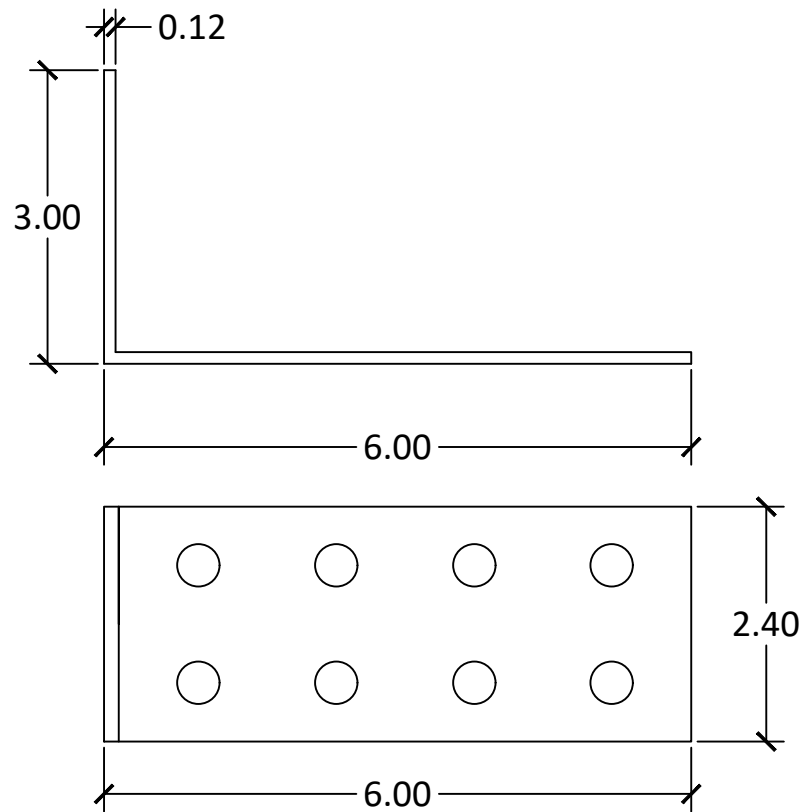
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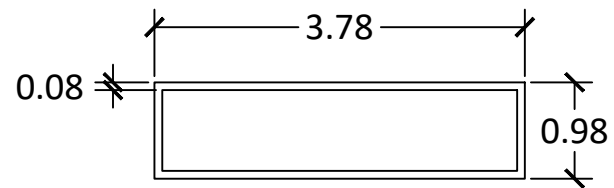
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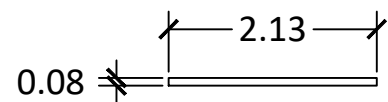
1 FLANGE



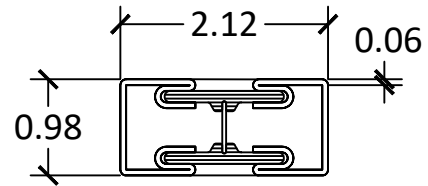
8 JAMB



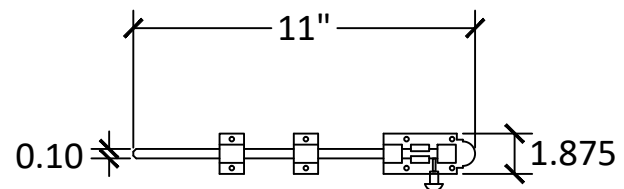
12 PLATE (BOTTOM RAIL)



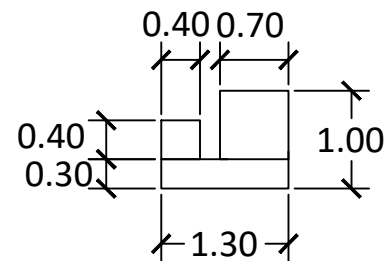
2 DOOR, SIDELITE & TRANSOM FRAME



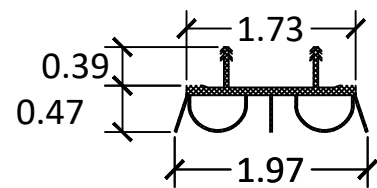
5 SURFACE BOLT



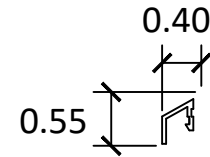
9 ASTRAGAL



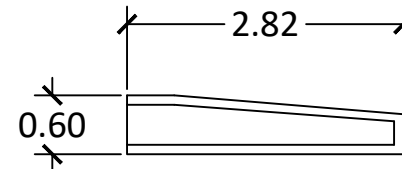
13 DOOR SWEEP



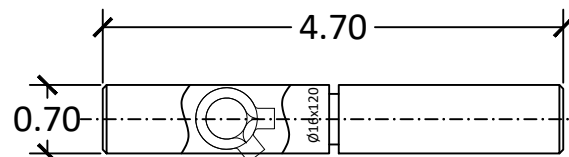
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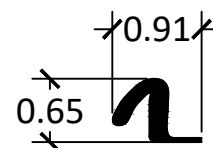
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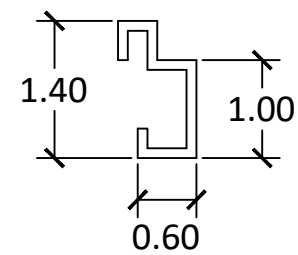
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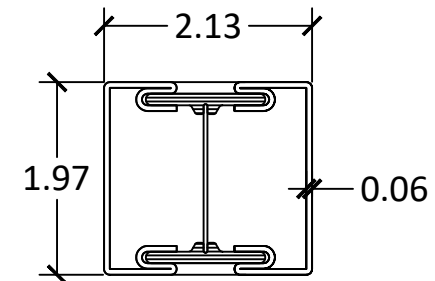
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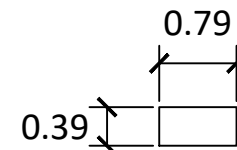
4 DOOR STOP



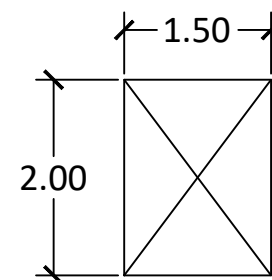
7 BOTTOM RAIL



11 0.79" x 0.39" SOLID IRON BAR



15 SURFACE BOLT BASE



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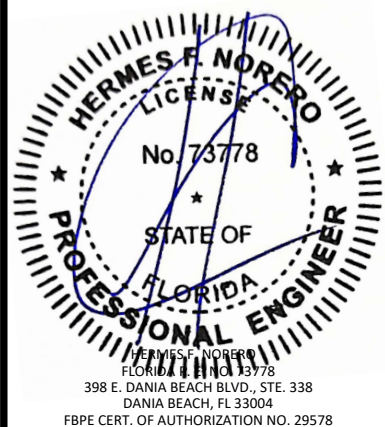
TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)/(IMPACT)
COMPONENTS

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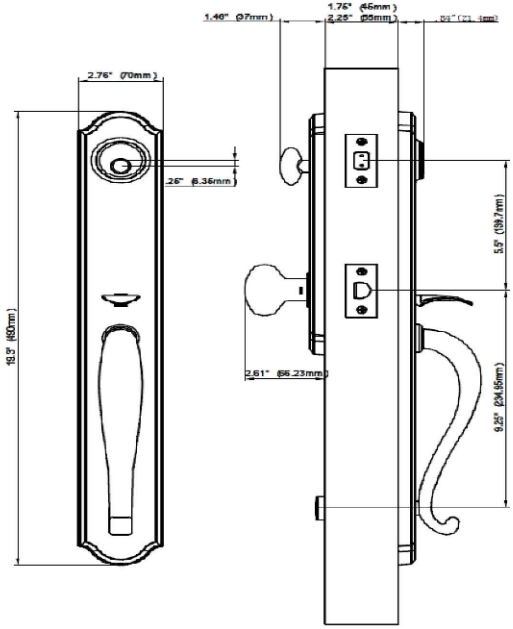
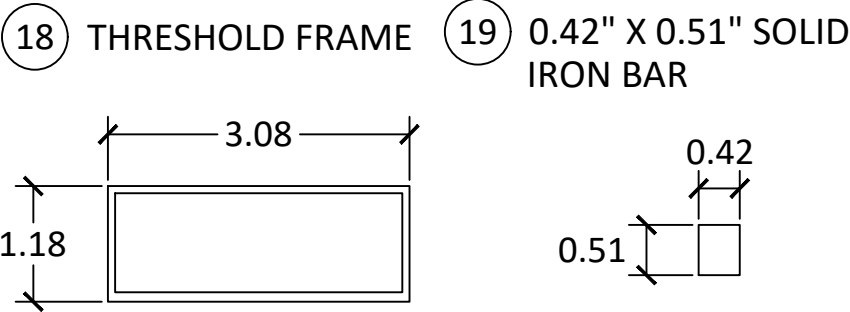
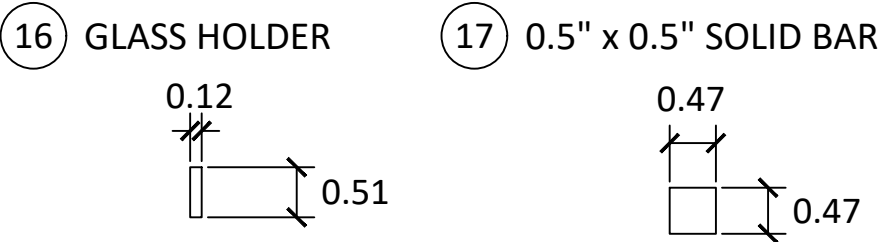
DWG. #: PCI003

SHEET:

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OF 17

BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUFACTURER
1	-	METAL BRACKETS	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
2	600.008Z	DOOR, SIDELITE & TRANSOM FRAME	Q235B STEEL + FIBER INSULATION	JANSEN AG
3	CT009	GLAZING BEAD	ALUMINUM 160 MPA MIN. TENSILE STRENGTH	FUJIAN MINFA ALUMINUM INC.
4	MD043	DOOR STOP	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
5	-	SURFACE BOLT	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
6	-	THRESHOLD	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
7	600.007	BOTTOM RAIL	Q235B STEEL + FIBER INSULATION	JANSEN AG
8	-	JAMB	Q235B STEEL	-
9	-	ASTRAGAL	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
10	PJ013	HINGE	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
11	-	0.79" x 0.39" SOLID BAR	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
12	-	IRON PLATE (BOTTOM RAIL)	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
13	MS5023	DOOR SWEEP	PLASTIC	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
14	JT005	WEATHER STRIPPING	Q-LON	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
15	-	IRON SURFACE BOLT BASE	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
16	-	GLASS HOLDER	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
17	-	0.5" x 0.5" SOLID BAR	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
18	-	THRESHOLD FRAME	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
19	-	0.42" x 0.51" SOLID IRON BAR	Q235B STEEL	XIAMEN JINZHIXING INDUSTRIAL CO., LTD
20	-	WHILTSHIRE ENTRY HANDLE	BRASS	WESLOCK



20 WHILTSHIRE ENTRY HANDLE

LOCK STANDARD SPECIFICATIONS	
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



PALM CITY IRONWORKS, INC.
3160 KUTAK RD.
FORT MYERS, FL 33916
PH: (239) 691-8400 FX: (239)277-0061

TITLE: URBAN SERIES OUTSWING
NARROW STILE DOOR
(WZ3)/(IMPACT)
BILL OF MATERIALS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
FBC CODE CHANGE	FB	09/23

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



FL27071

DATE: 03.21.19

DWG. BY: JA

CHK. BY: HFN

SCALE: NTS

DWG. #: PCI003

SHEET: 17

OF 17