

PALM CITY IRONWORKS

WROUGHT IRON DOORS (IN SWING/OUT SWING) (HVHZ)(IMPACT)



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

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

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL RESIDENTIAL CODE INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - 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.
- DOOR FRAME MATERIAL: Q235 GRADE STEEL
Fy min= 34.1 KSI
Fu min= 54.4 KSI
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
 - DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
 - STEEL COMPONENTS SHALL BE COATED OR PROVIDED WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF FBC SECTION 2220.
 - IRON WORK SUCH AS DECORATIVE GRILLES, ETC. IS NOT PART OF THIS APPROVAL.

DESIGN PRESSURE RATING	
DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
+70 / -70 PSF*	LARGE & SMALL MISSILE IMPACT RATED

*UNITS MEET WATER INFILTRATION REQUIREMENTS AT WATER TEST PRESSURE OF 10.5 PSF.

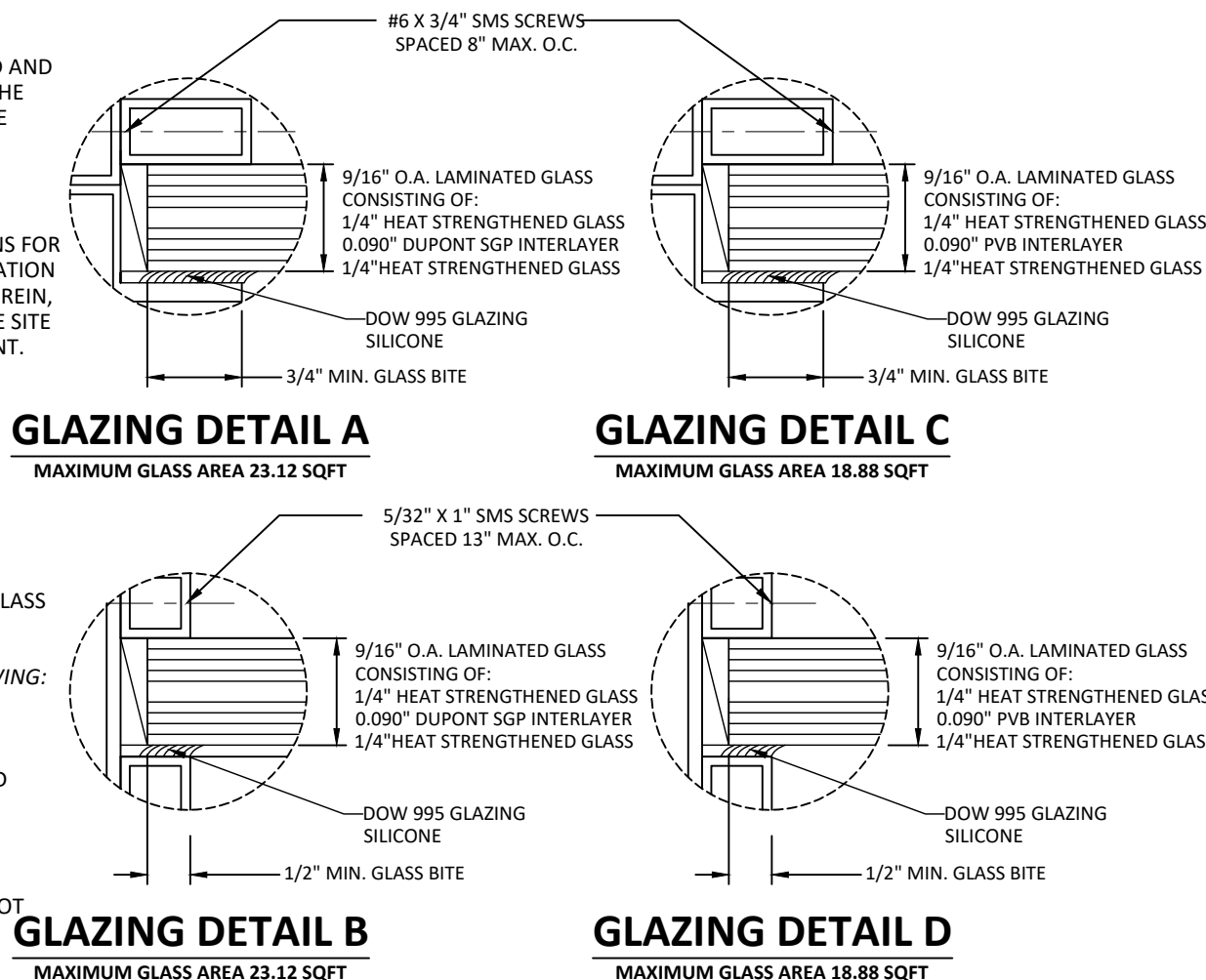


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- GLAZING NOTES:**
- GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - 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.

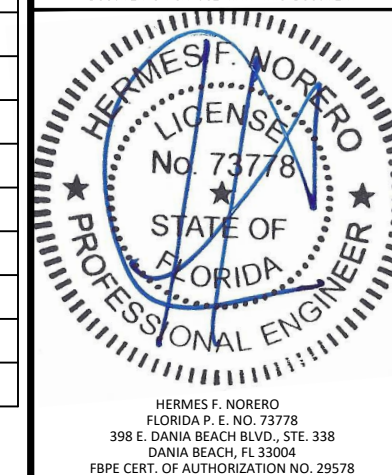
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(HVHZ)(IMPACT)

GENERAL NOTES & GLAZING DETAILS

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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

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FL16749

DATE: 03.21.19

DWG. BY: YC CHK. BY: HFN

SCALE: NTS

DWG. #: PCI013

SHEET: 1 OF 21



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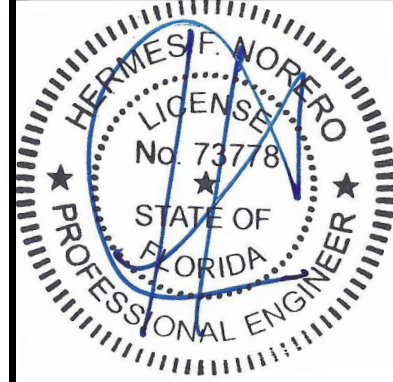
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(HVHZ/IMPACT)
ELEVATION AND
ANCHOR LAYOUT**

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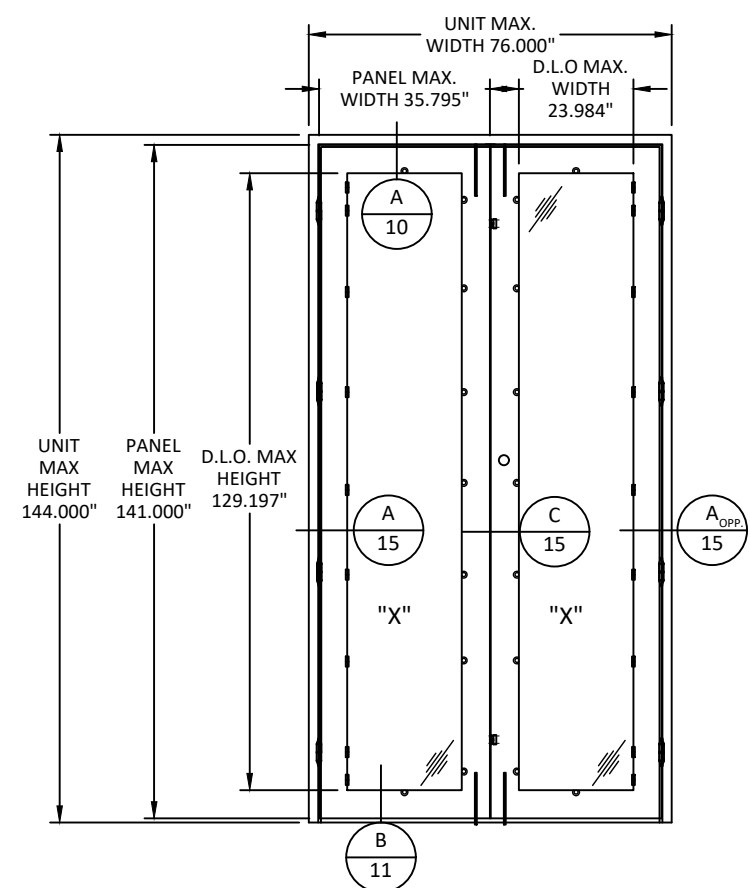
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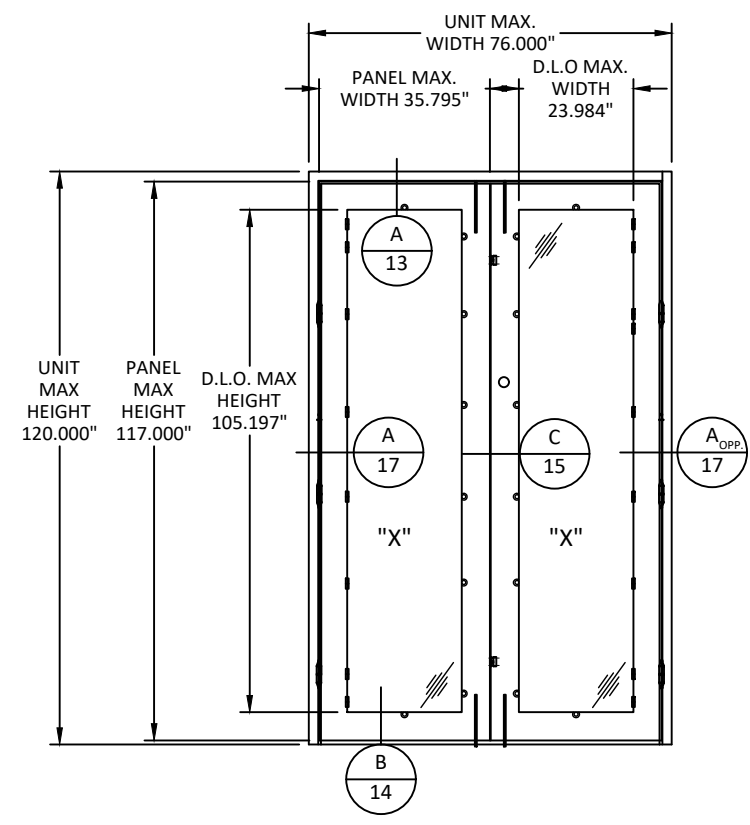
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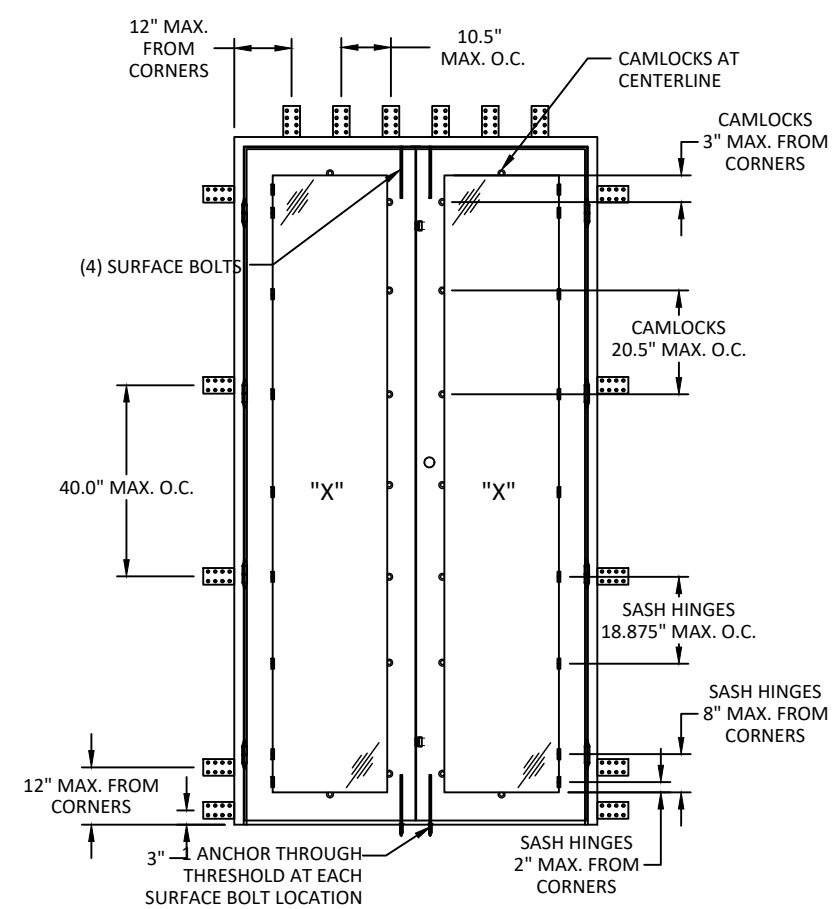
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SHEET:	2



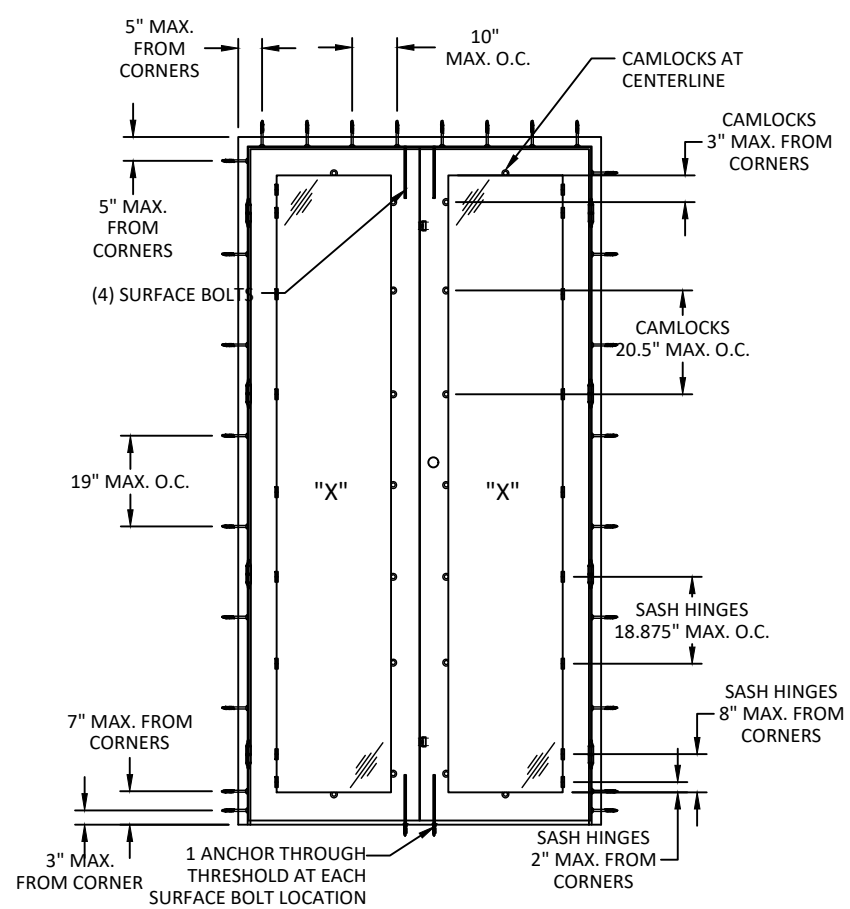
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ELEVATION(INSWING)

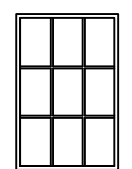


**ANCHOR LAYOUT
MOUNTING TAB INSTALLATION**



**ANCHOR LAYOUT
THROUGH FRAME INSTALLATION**

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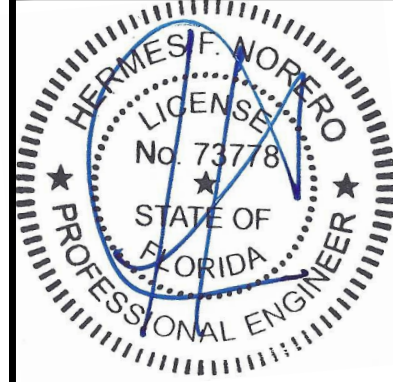
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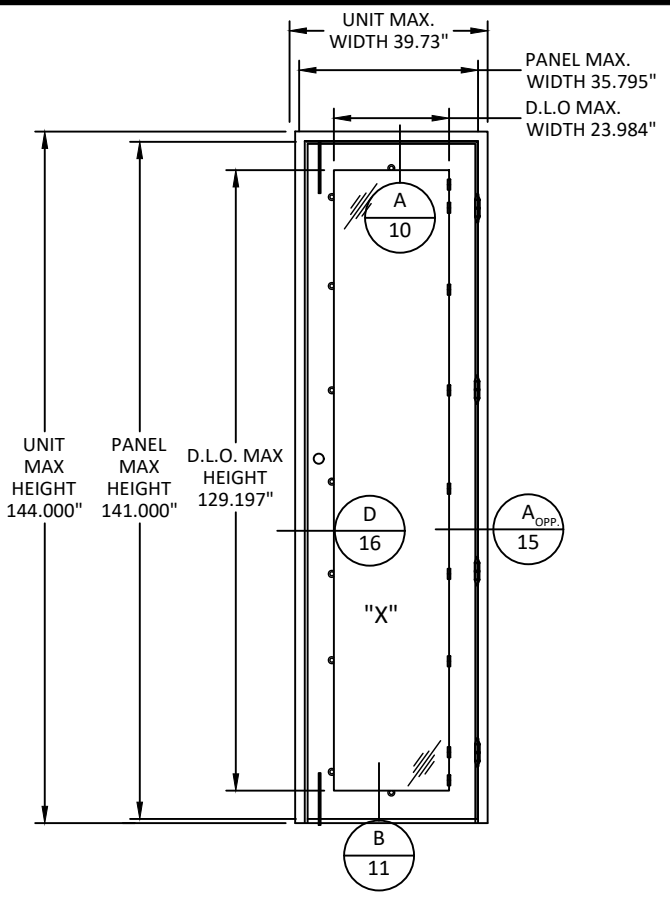
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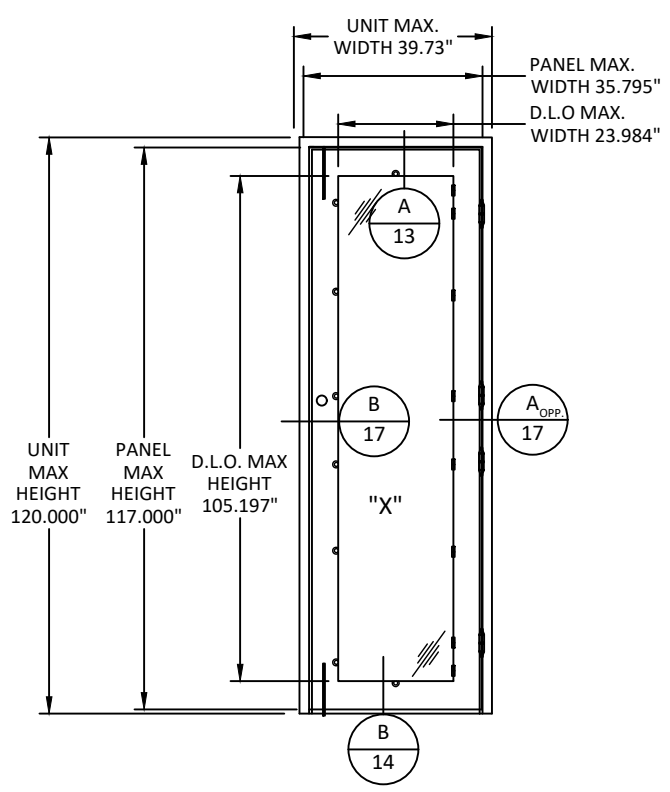
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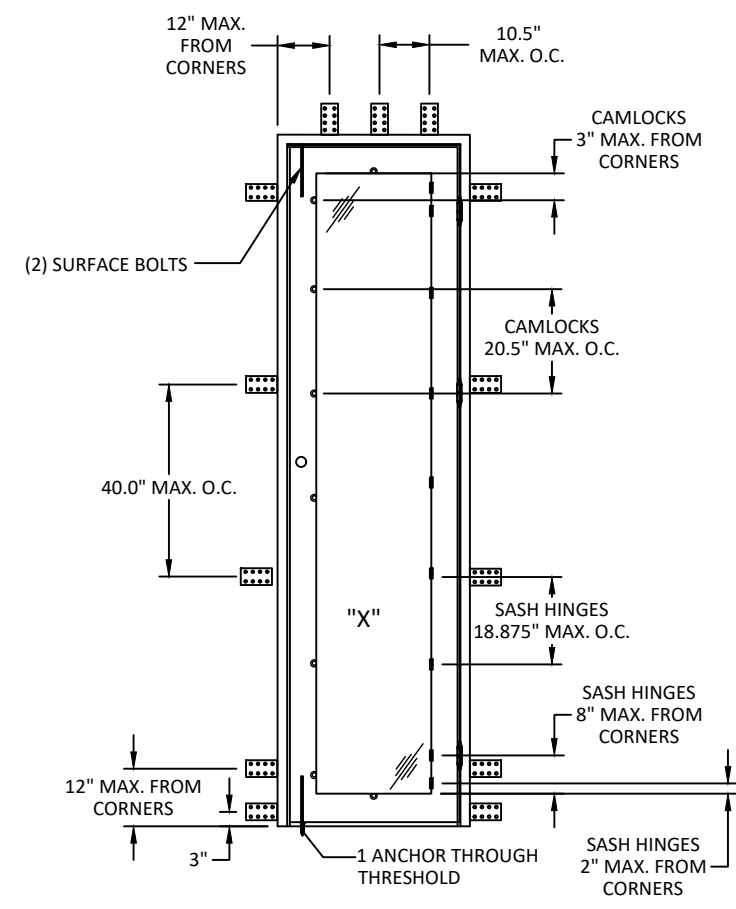
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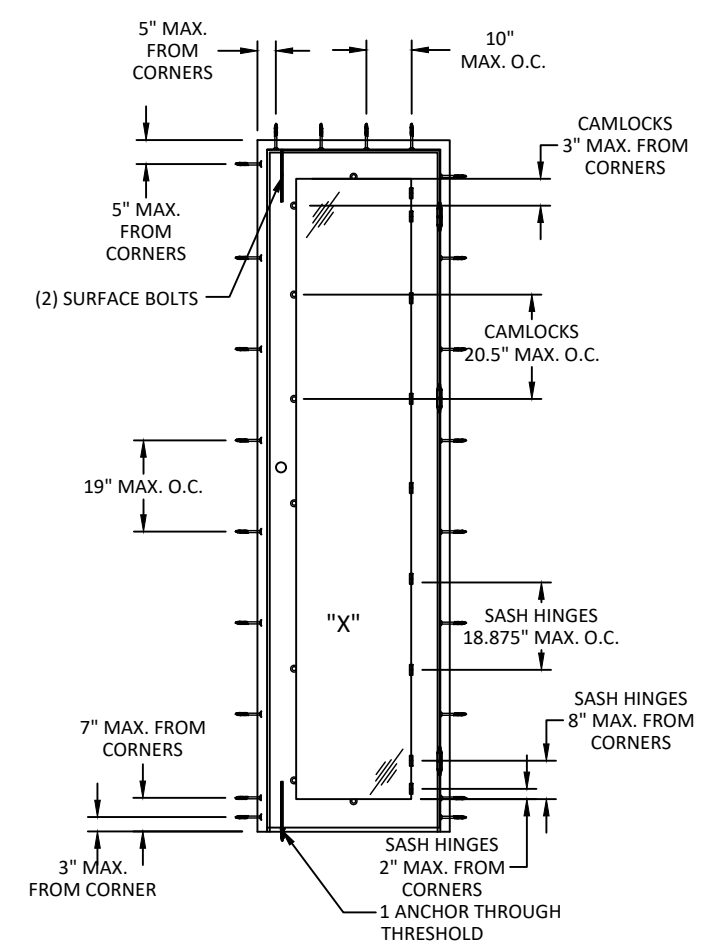
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ELEVATION(INSWING)

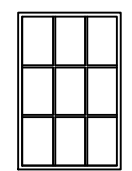


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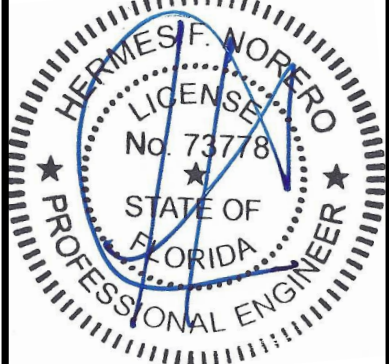
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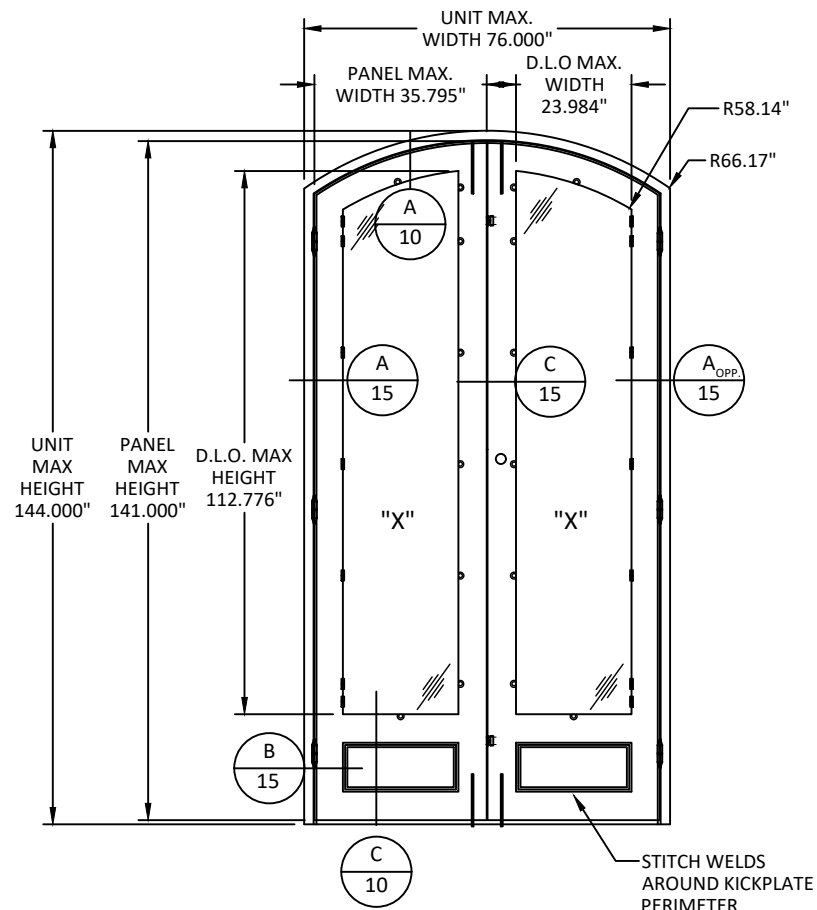
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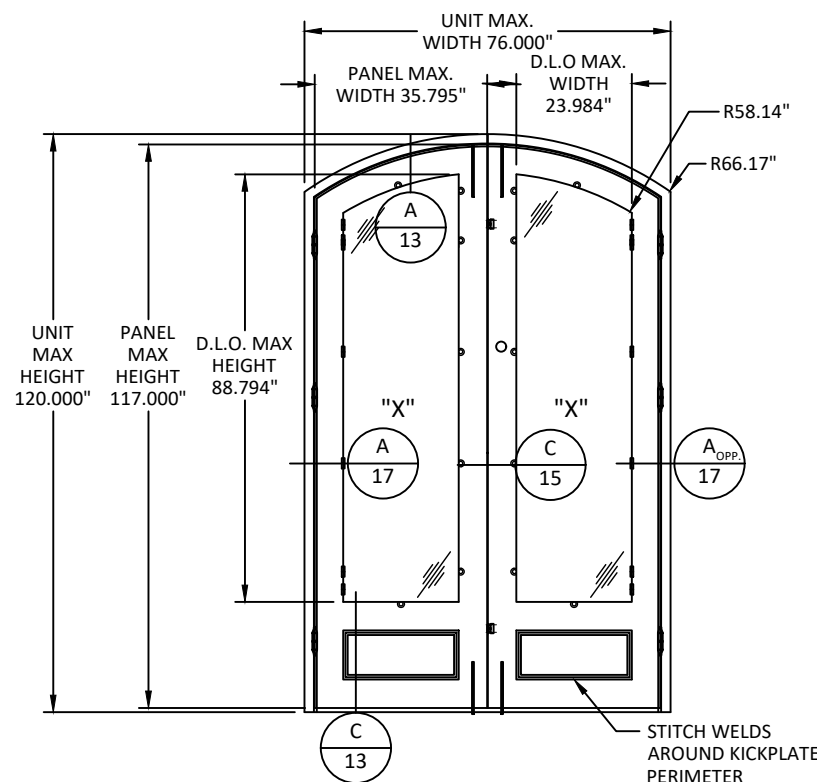
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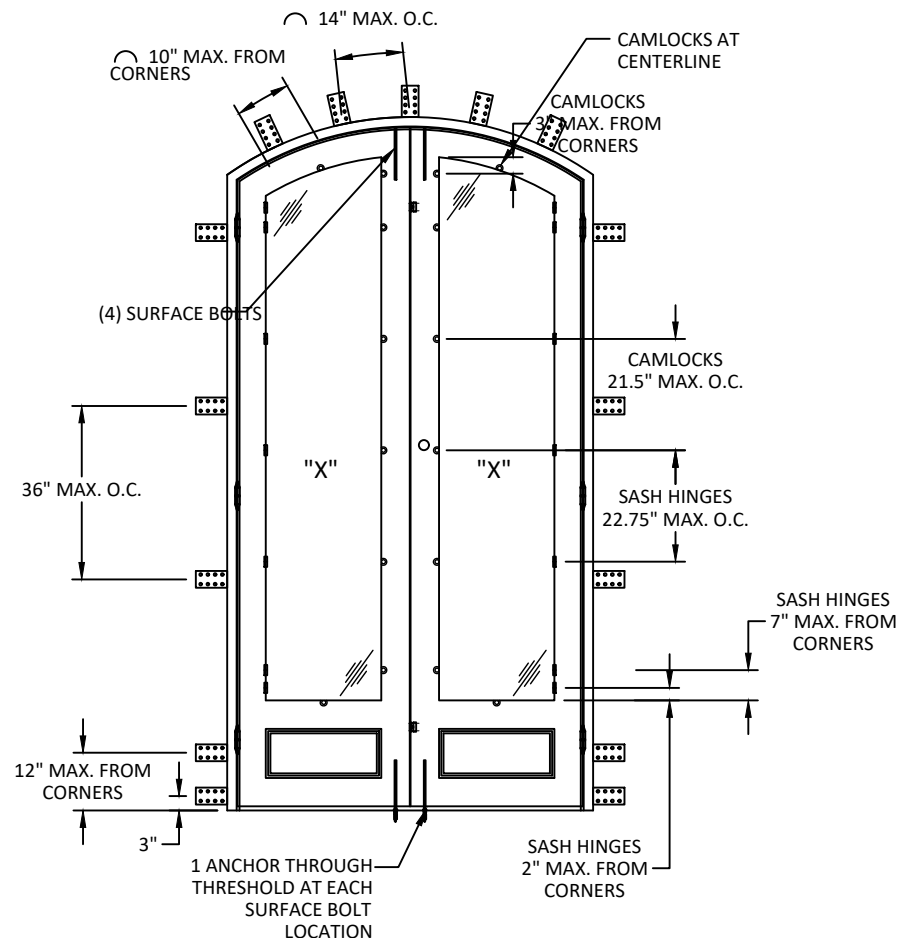
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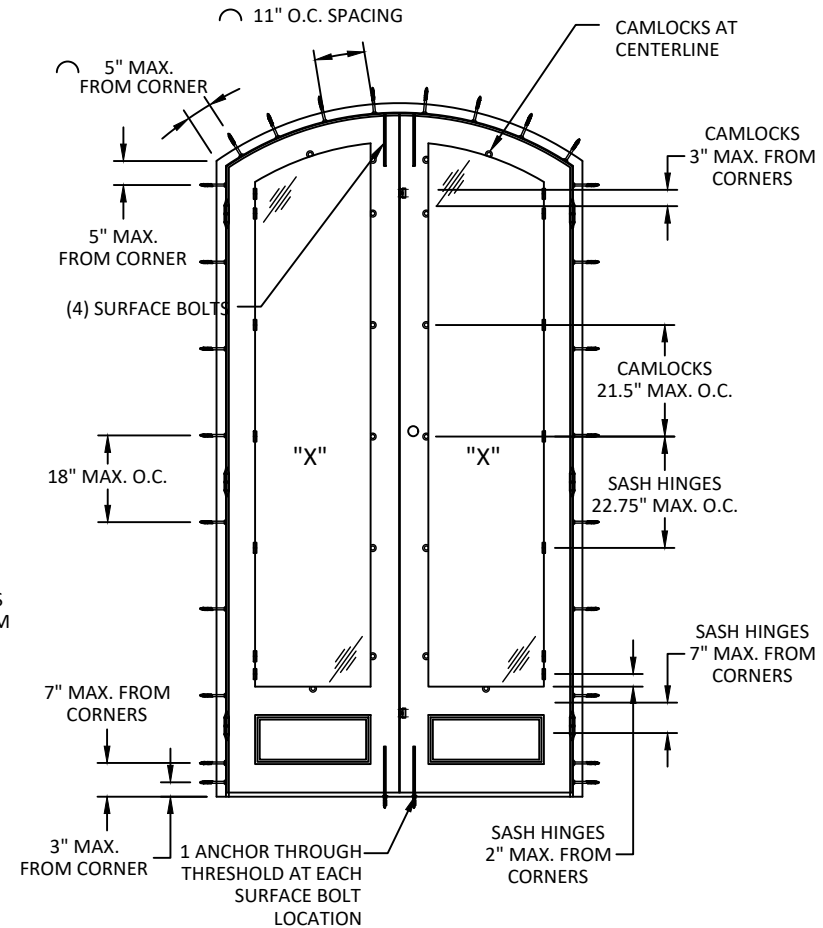
ELEVATION(OUTSWING)



ELEVATION(INSWING)

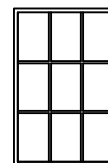


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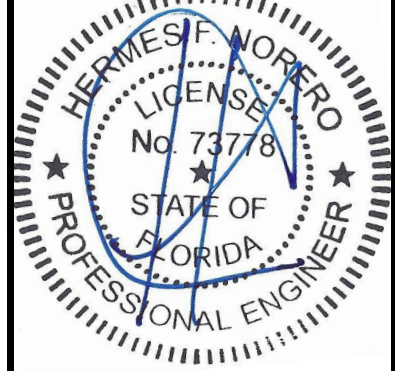
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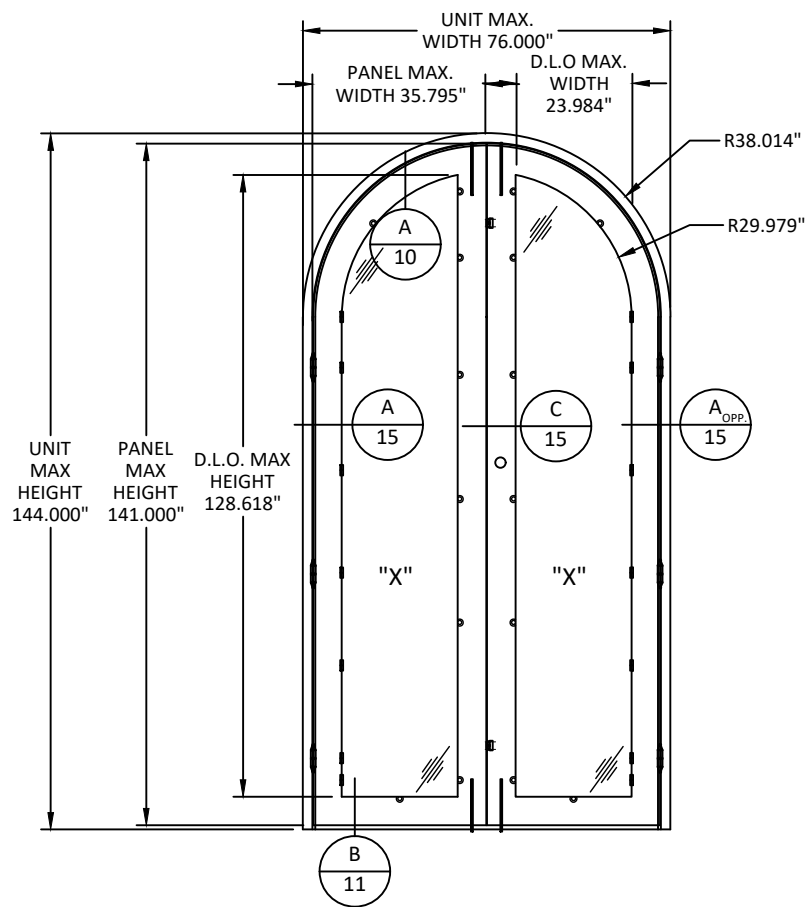
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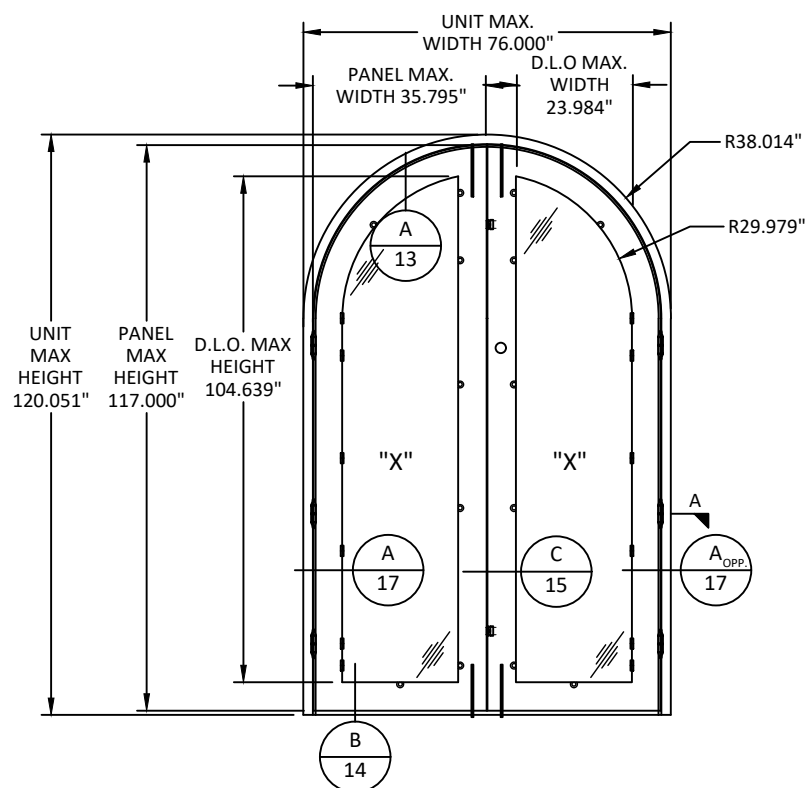
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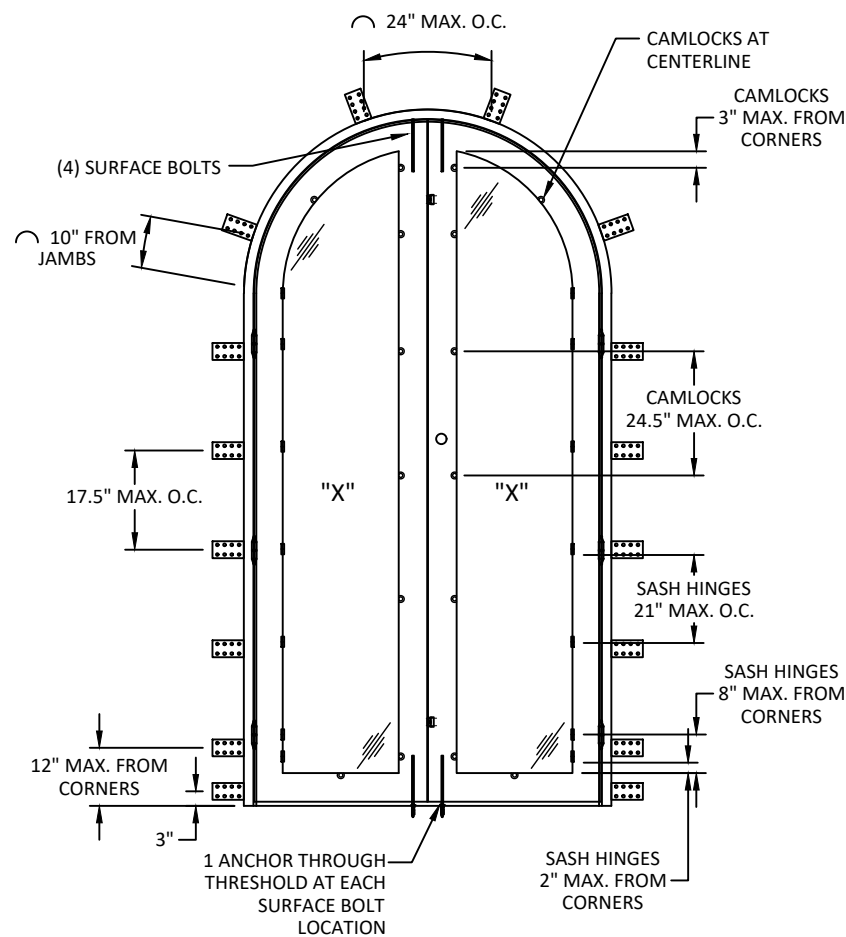
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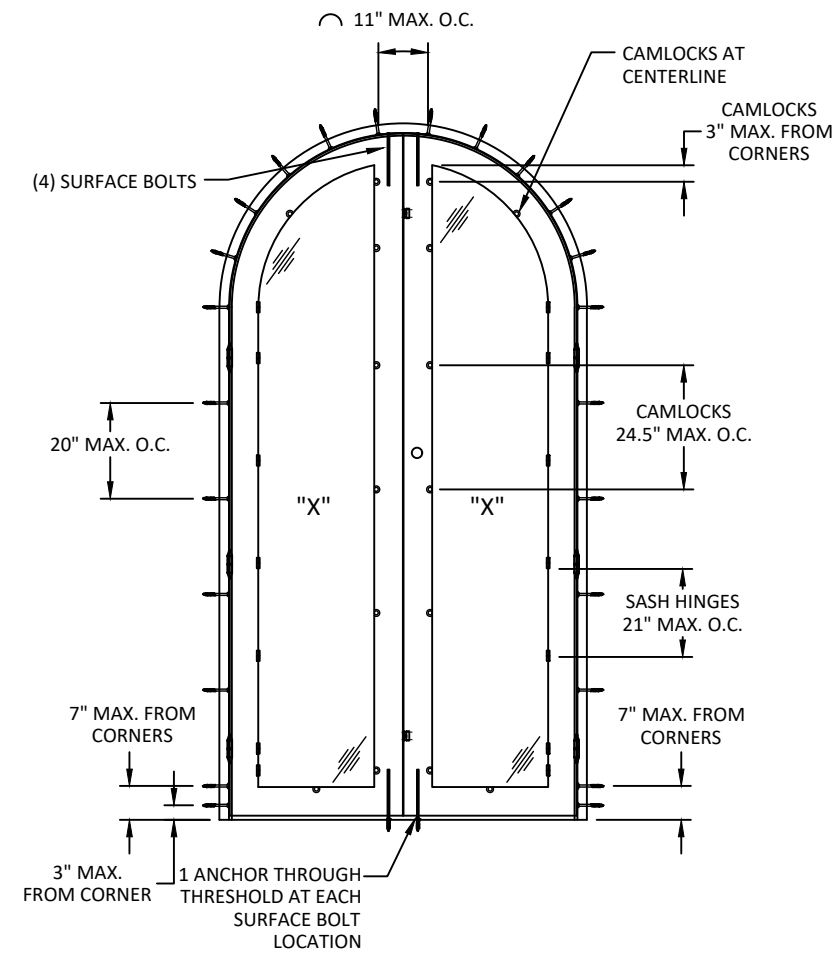
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ELEVATION(INSWING)

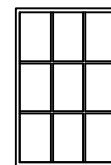


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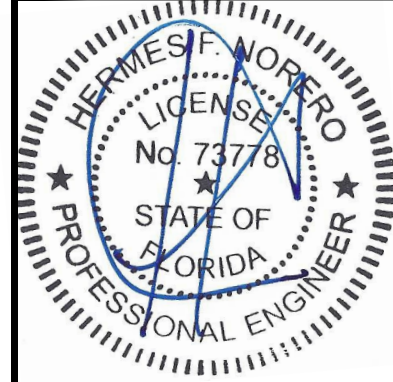
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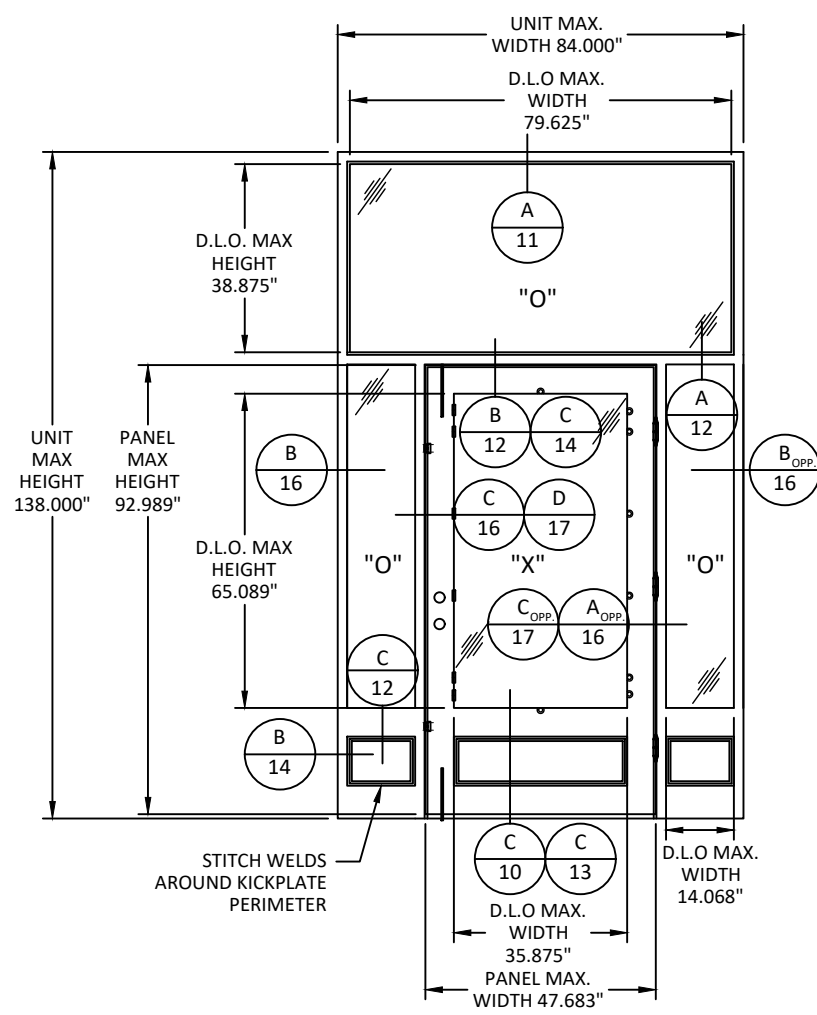
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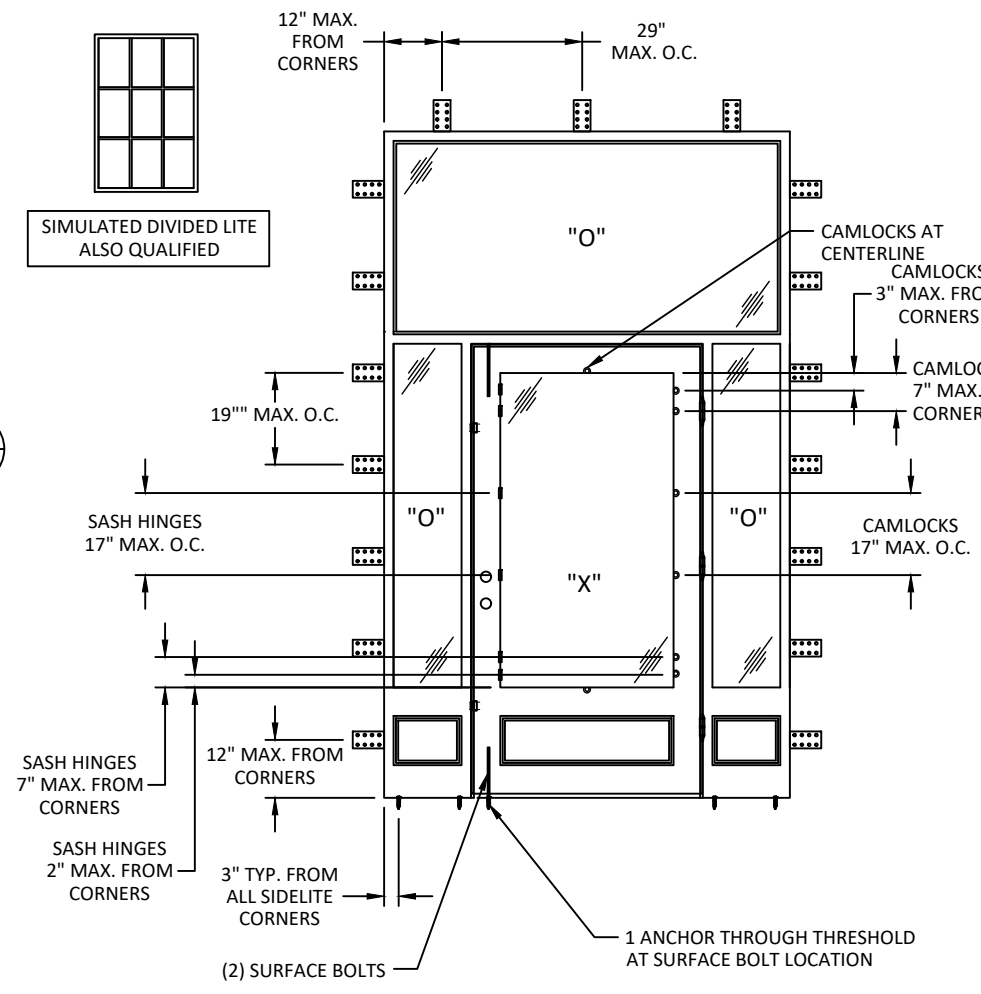
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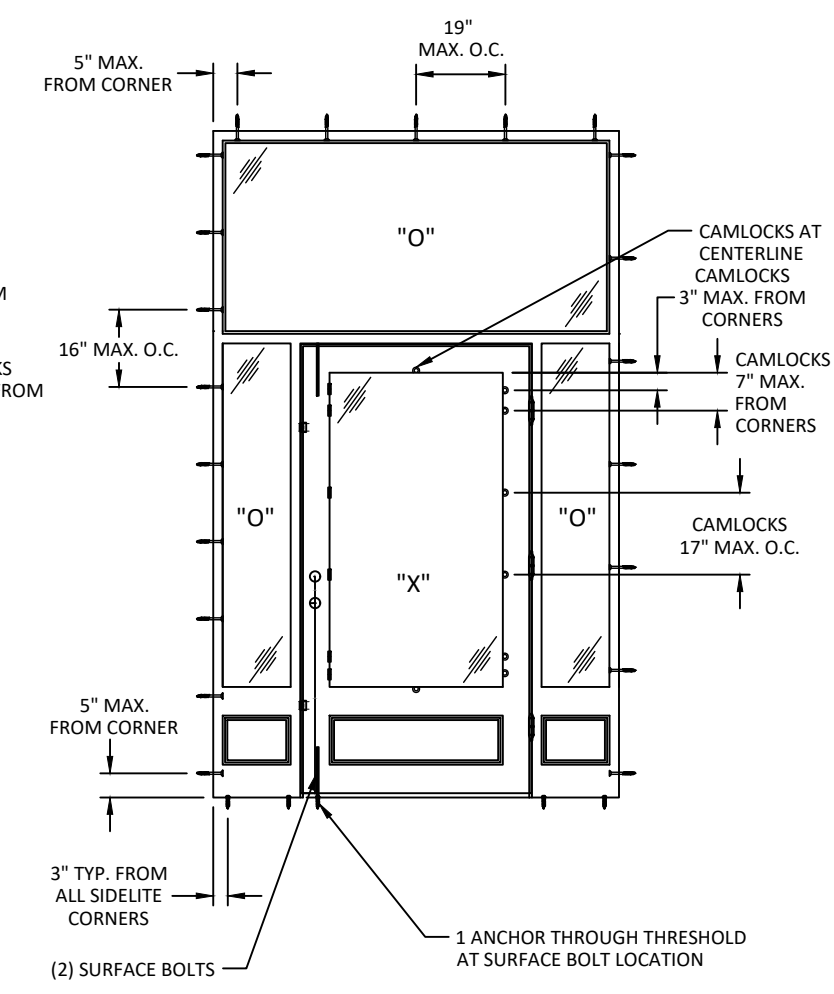
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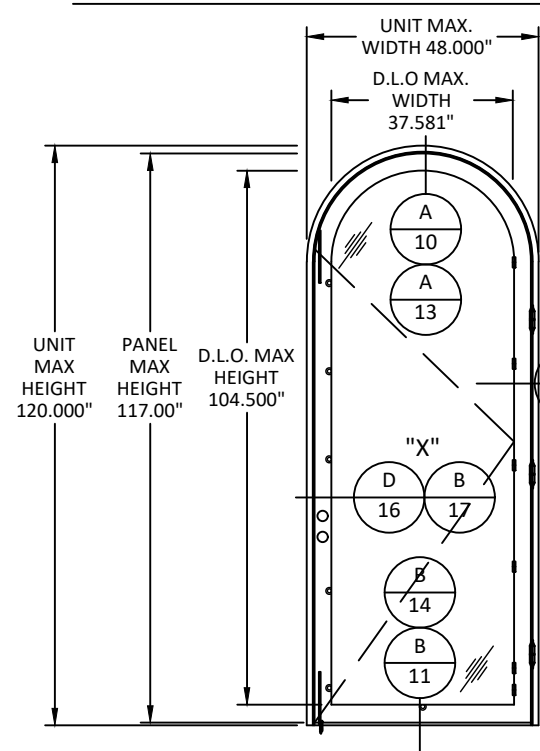
ELEVATION (INSWING/OUTSWING)



ANCHOR LAYOUT (INSWING/OUTSWING) MOUNTING TAB INSTALLATION

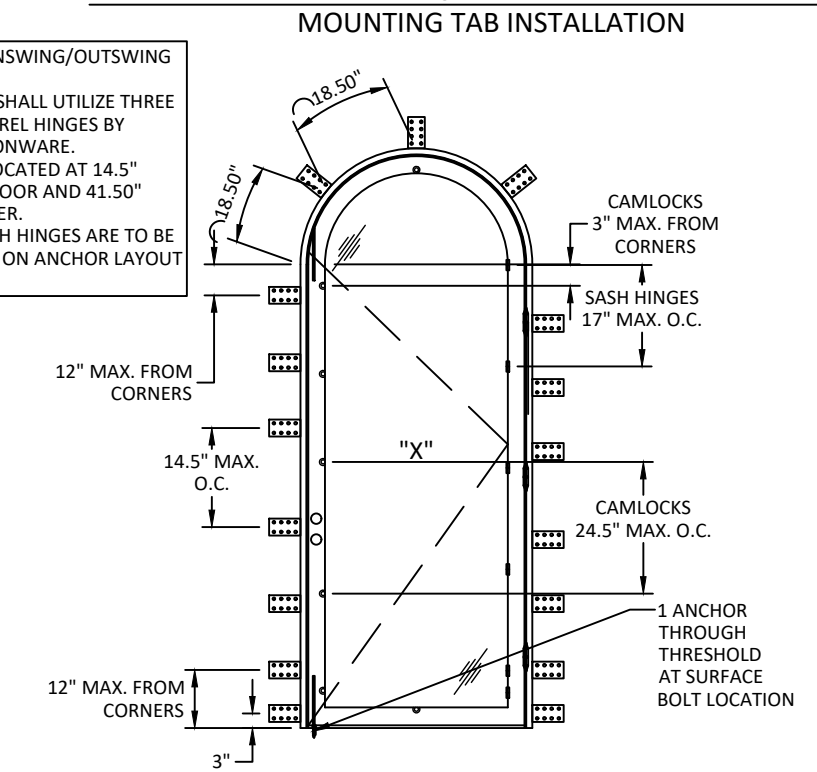


ANCHOR LAYOUT (INSWING/ OUTSWING) THROUGH FRAME INSTALLATION

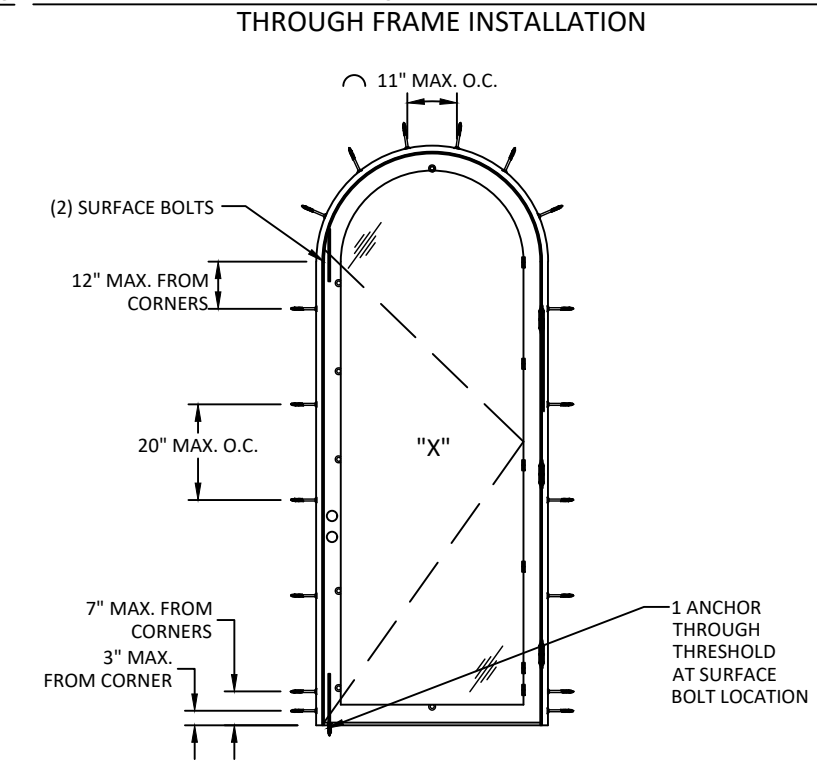


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ANCHOR LAYOUT (INSWING/OUTSWING) MOUNTING TAB INSTALLATION



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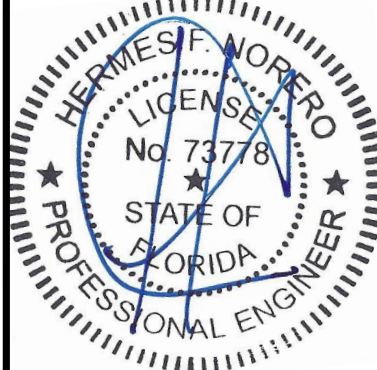
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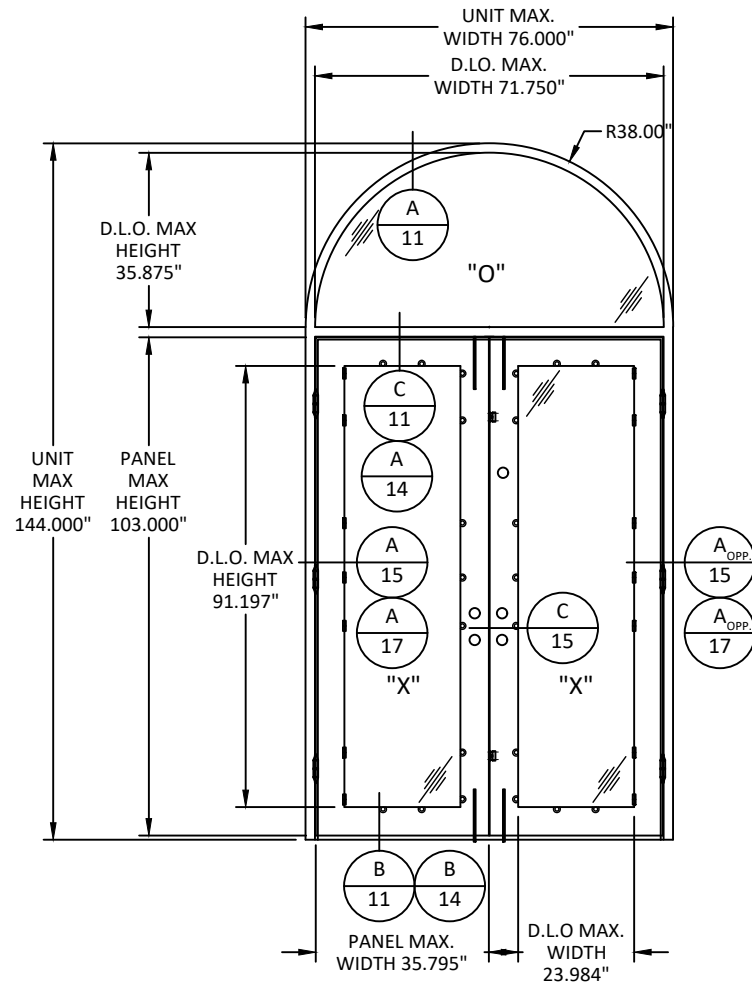
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DWG. #: **PCI013**

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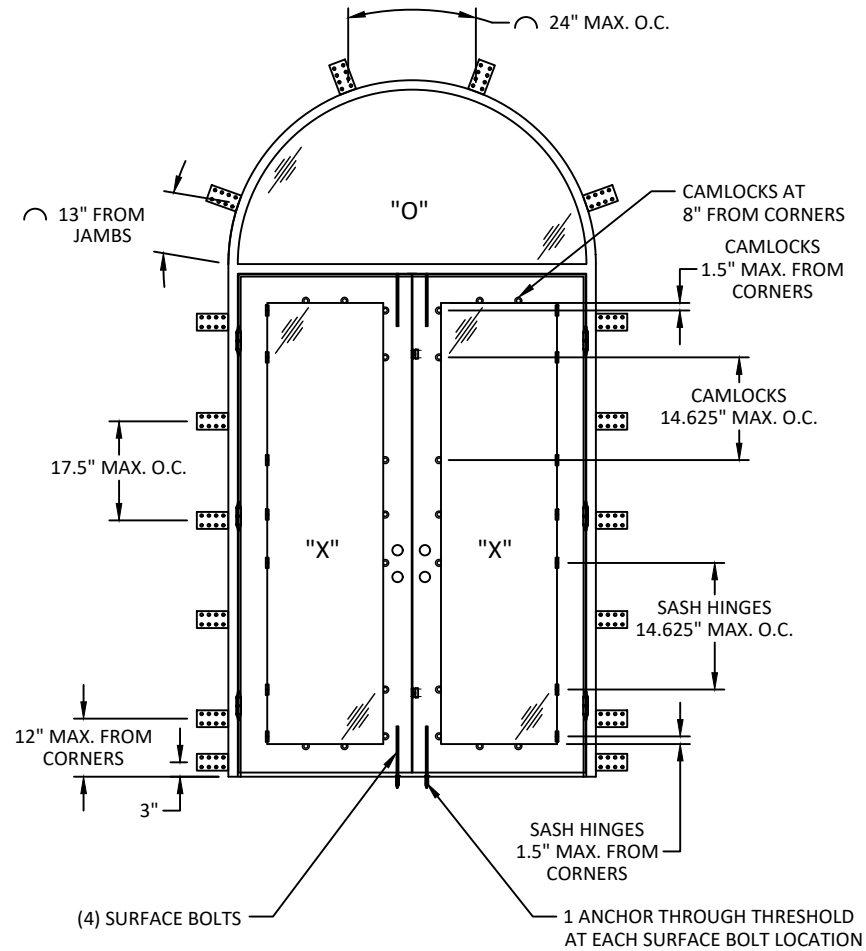
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OF 21



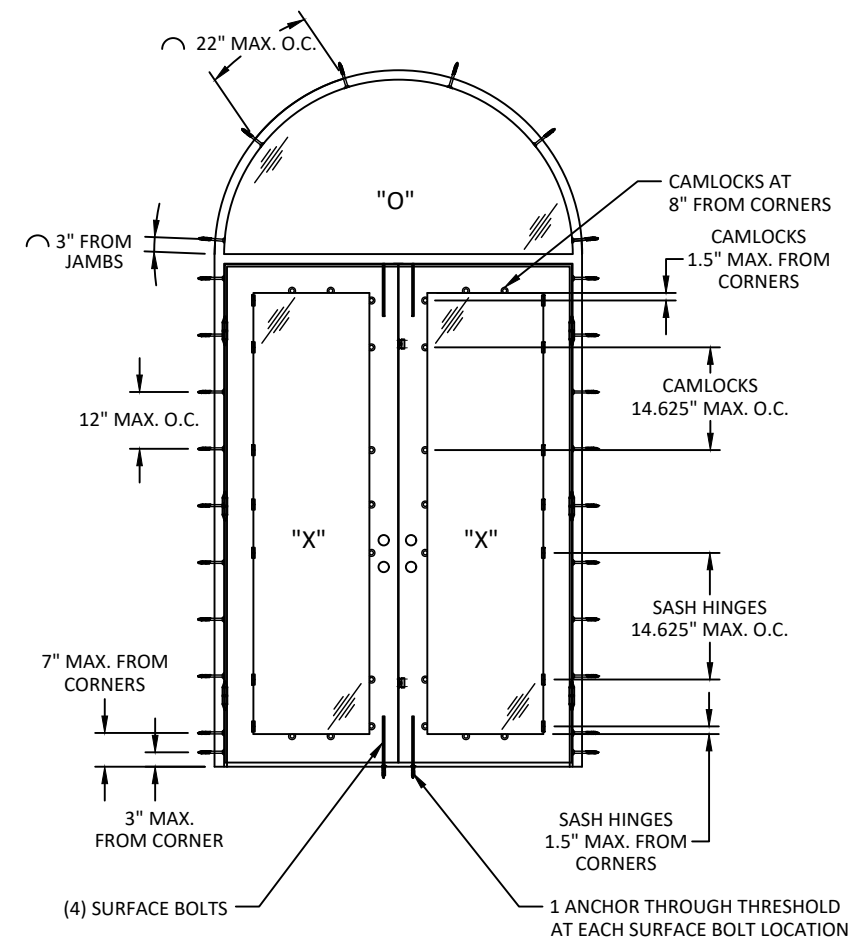
*NOTE:
MAXIMUM 13.95 SQFT OF GLASS FOR
TRANSOMS USING DETAILS C/11 AND A/14

ELEVATION (INSWING/OUTSWING)

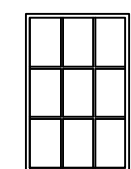


**ANCHOR LAYOUT (INSWING/OUTSWING)
MOUNTING TAB INSTALLATION**

- HARDWARE NOTES:**
1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
 2. HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 40.25" MAX. O.C. THEREAFTER.
 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



**ANCHOR LAYOUT (INSWING/OUTSWING)
THROUGH FRAME INSTALLATION**



SIMULATED DIVIDED LITE
ALSO QUALIFIED

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

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

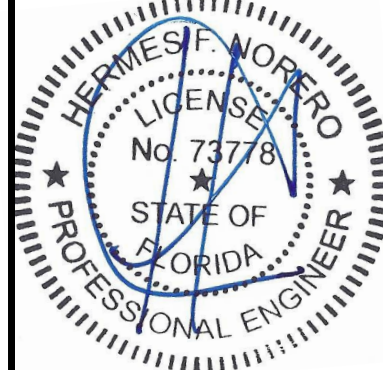
TITLE: **WROUGHT IRON DOORS
(INSWING/OUTSWING)
(HVHZ/IMPACT)
ELEVATION AND
ANCHOR LAYOUT**

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

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FLORIDA P. E. NO. 73778
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

FL16749

DATE: **03.21.19**

DWG. BY: **YC** | CHK. BY: **HFN**

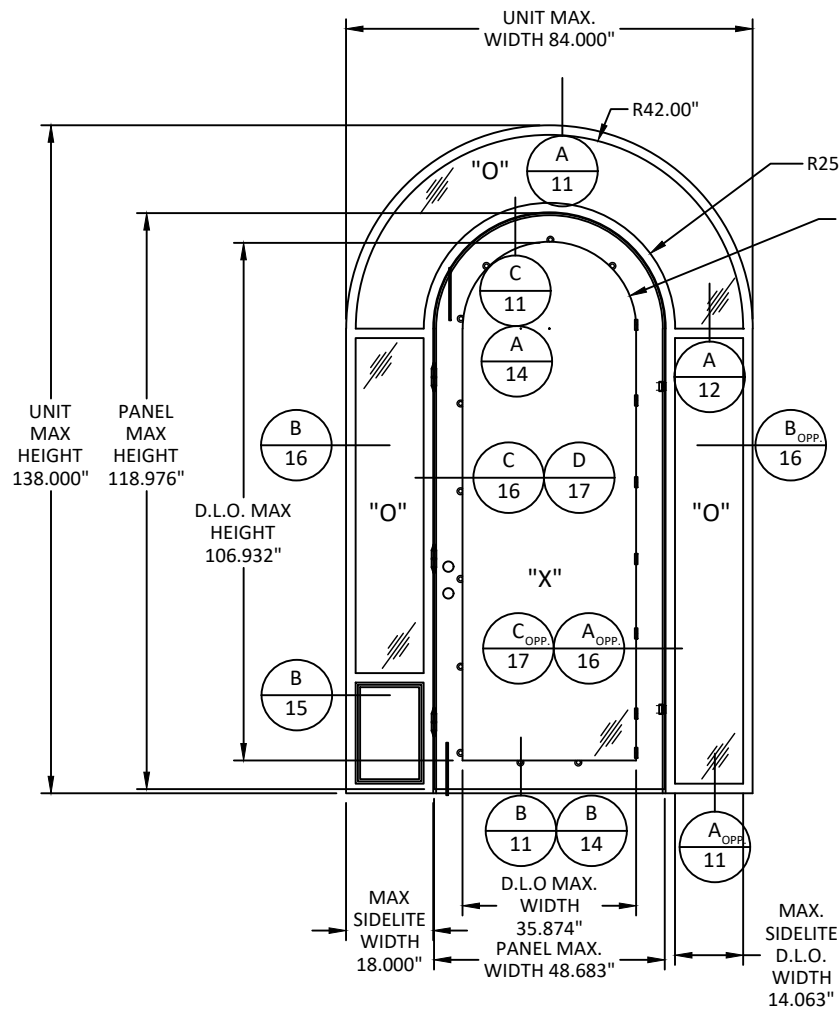
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DWG. #: **PCI013**

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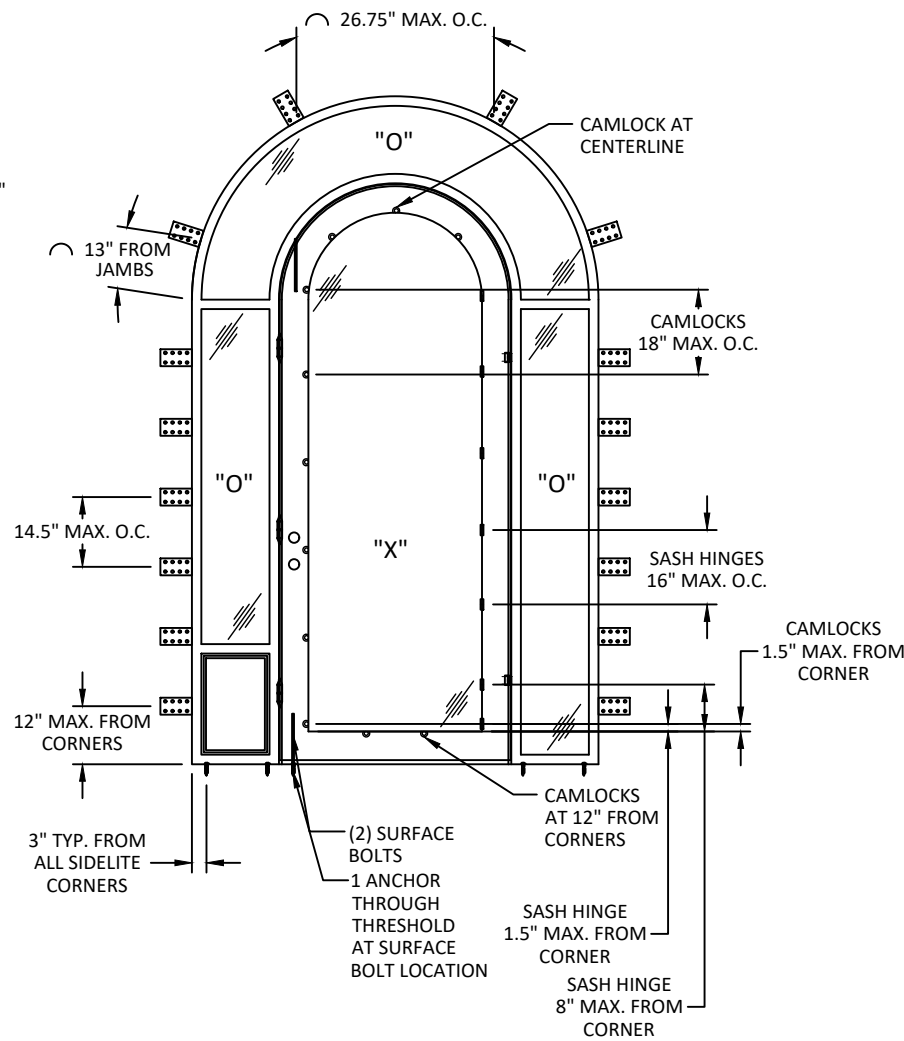
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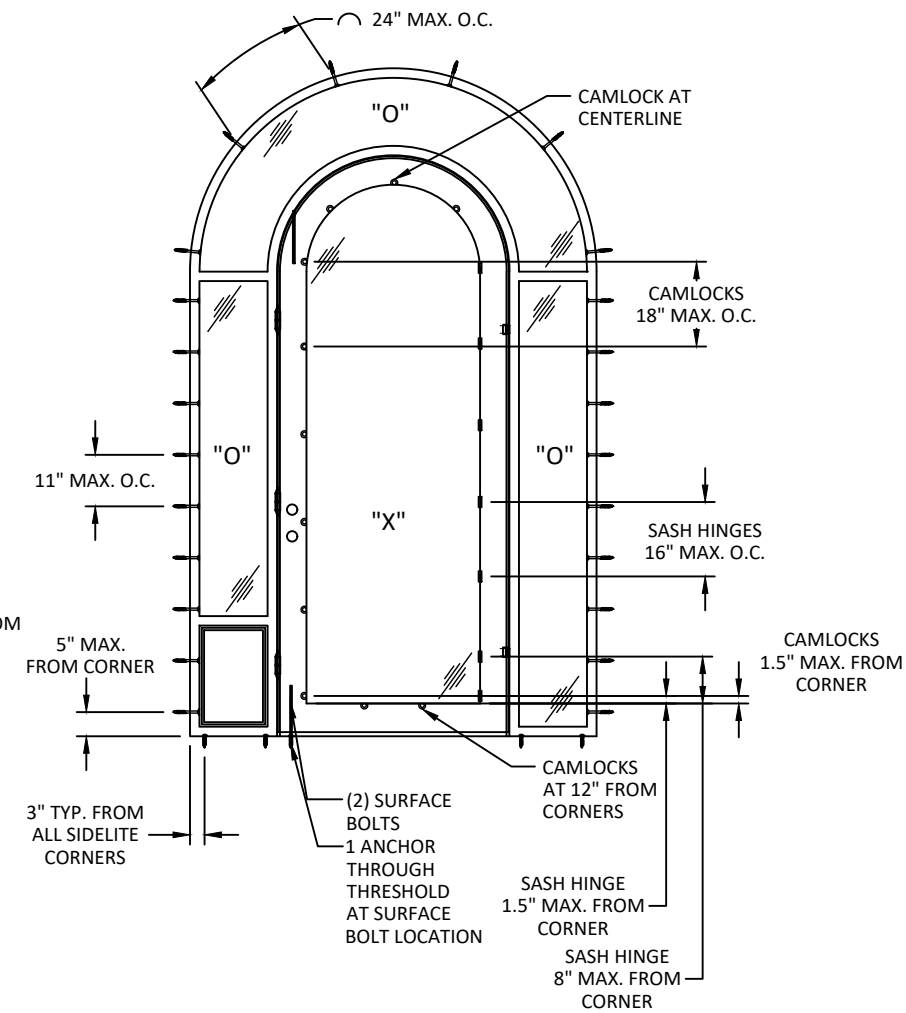


*NOTE:
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TRANSOMS USING DETAILS C/11 AND A/14

ELEVATION(INSWING/OUTSWING) ANCHOR LAYOUT(INSWING/OUTSWING)



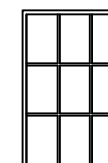
MOUNTING TAB INSTALLATION



ANCHOR LAYOUT (INSWING/OUTSWING)

THROUGH FRAME INSTALLATION

- HARDWARE NOTES:**
1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
 2. HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 36.50" MAX. O.C. THEREAFTER.
 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



SIMULATED DIVIDED LITE
ALSO QUALIFIED



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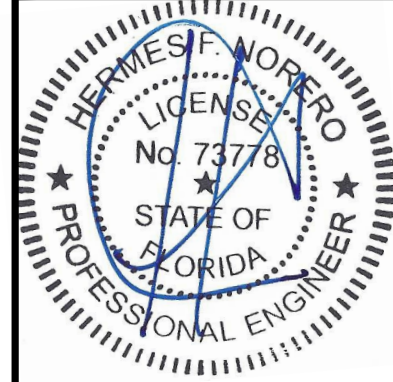
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TITLE: **WROUGHT IRON DOORS
 (INSWING/OUTSWING)
 (HVHZ/IMPACT)
 ELEVATION AND
 ANCHOR LAYOUT**

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 398 E. DANIA BEACH BLVD., STE. 338
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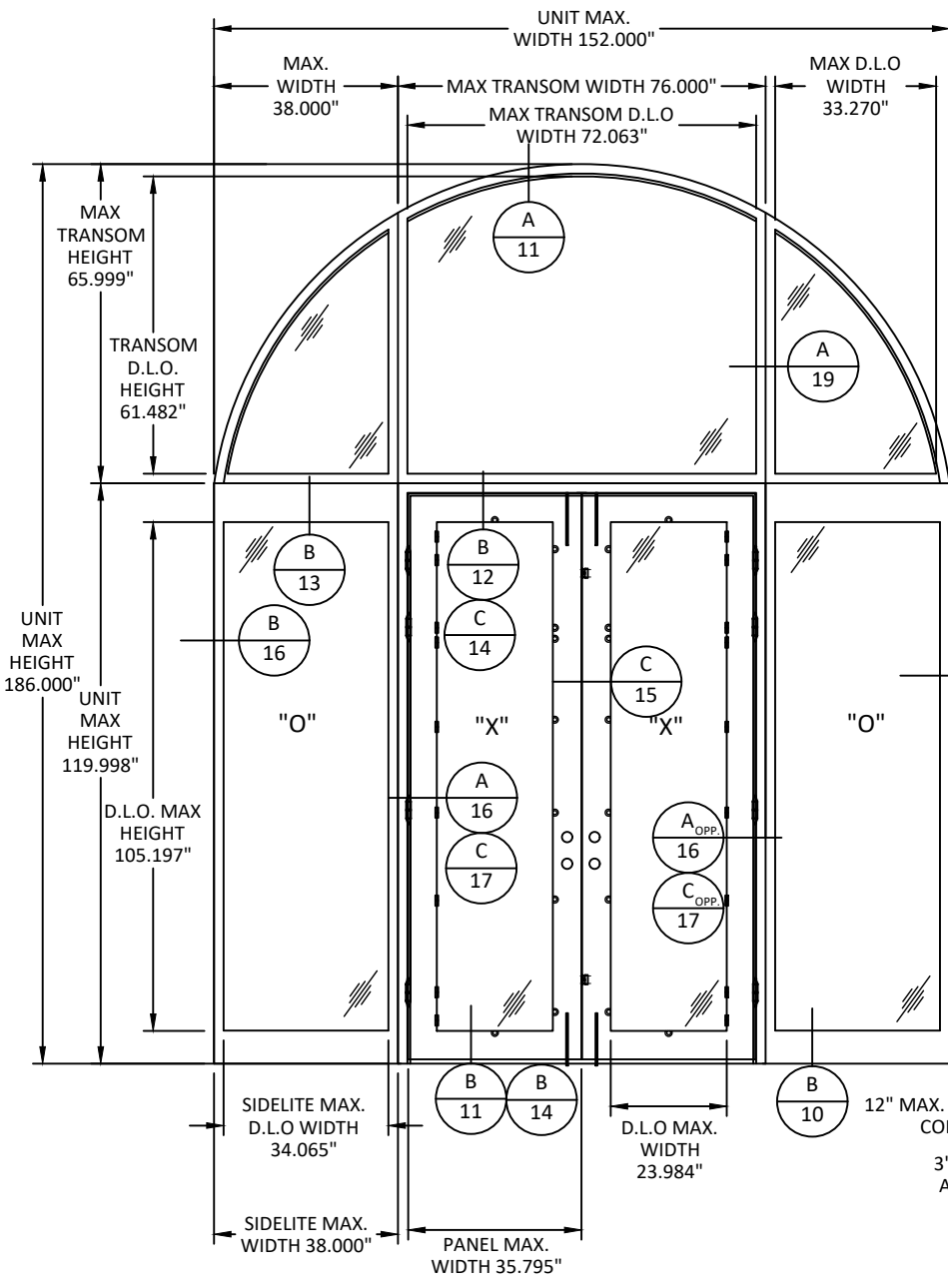
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DWG. #: **PCI013**

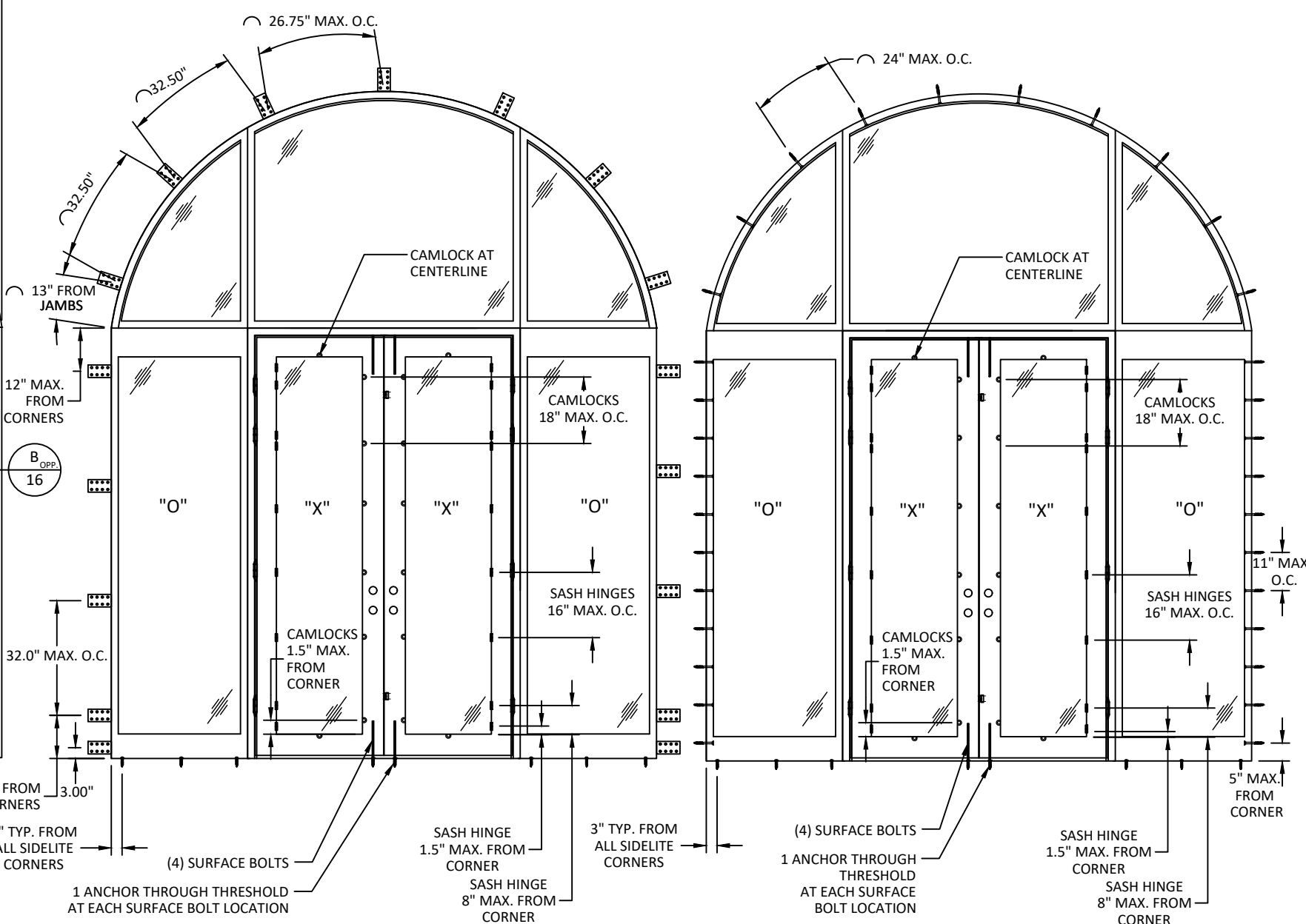
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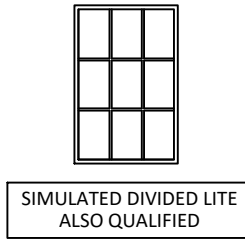
ELEVATION(INSWING/OUTSWING)



**ANCHOR LAYOUT(INSIWNG/OUTSWING)
 MOUNTING TAB INSTALLATION**

**ANCHOR LAYOUT(/INSWINGOUTSWING)
 THROUGH FRAME INSTALLATION**

- HARDWARE NOTES:**
1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
 2. HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 36.50" MAX. O.C. THEREAFTER.
 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



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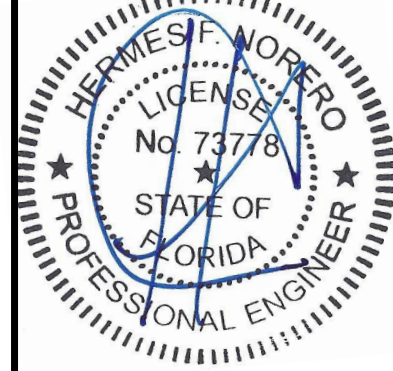
TITLE: **WROUGHT IRON DOORS
 (INSWING/OUTSWING)
 (HVHZ)/(IMPACT)**
 VERTICAL SECTIONS

PREPARED BY: **BUILDING DROPS, INC.**
 398 E. DANIA BEACH BLVD., STE. 338
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 PH: (954) 999-8478
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DWG. BY: **YC** | CHK. BY: **HFN**

SCALE: **NTS**

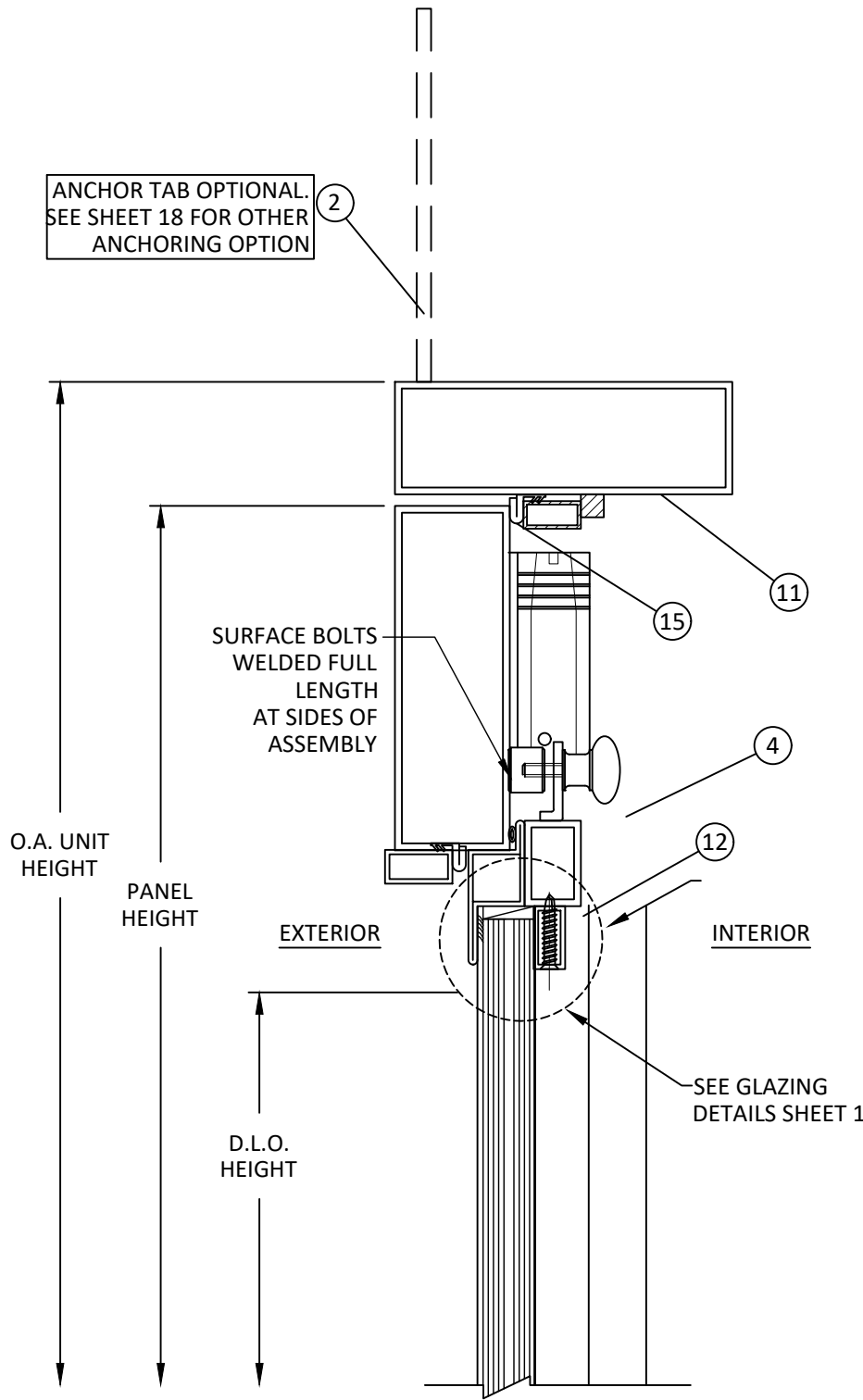
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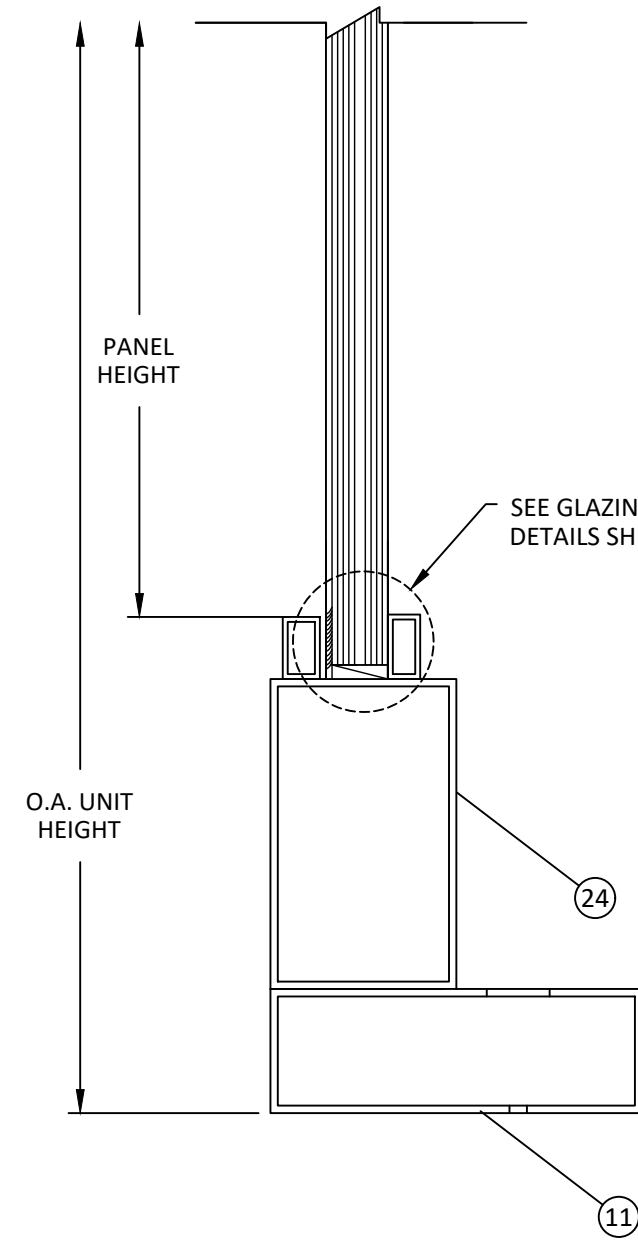
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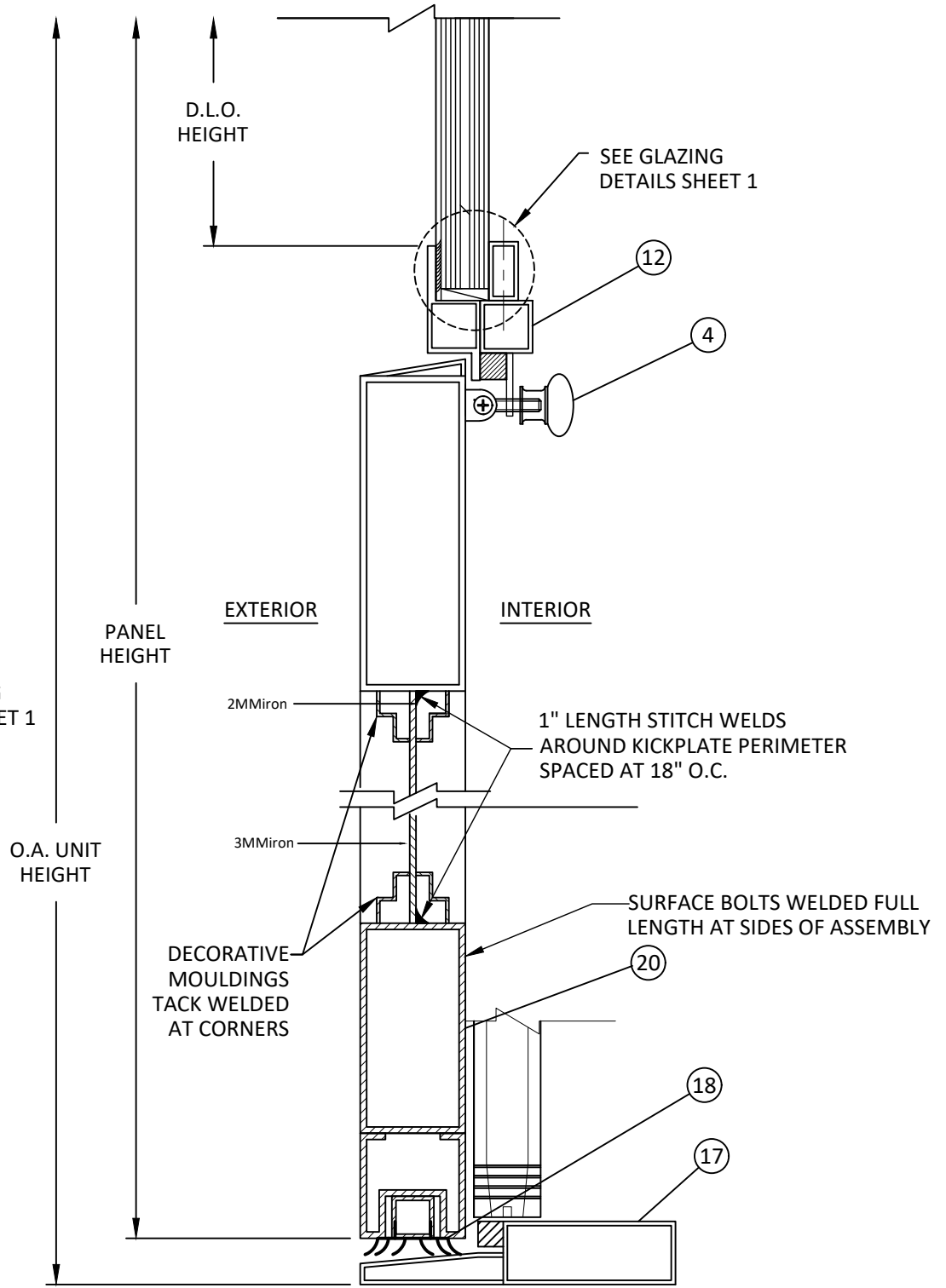
ANCHOR TAB OPTIONAL.
 SEE SHEET 18 FOR OTHER
 ANCHORING OPTION



A
10 VERTICAL SECTION
 HEAD DETAIL OUT-SWING DOOR



B
10 VERTICAL SECTION
 SIDELITE SILL



C
10 VERTICAL SECTION
 SILL DETAIL OUT-SWING DOOR

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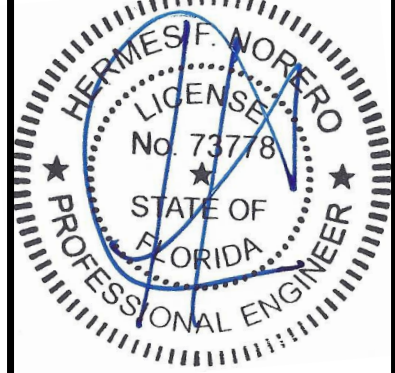
TITLE: **WROUGHT IRON DOORS
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(HVHZ)/(IMPACT)**
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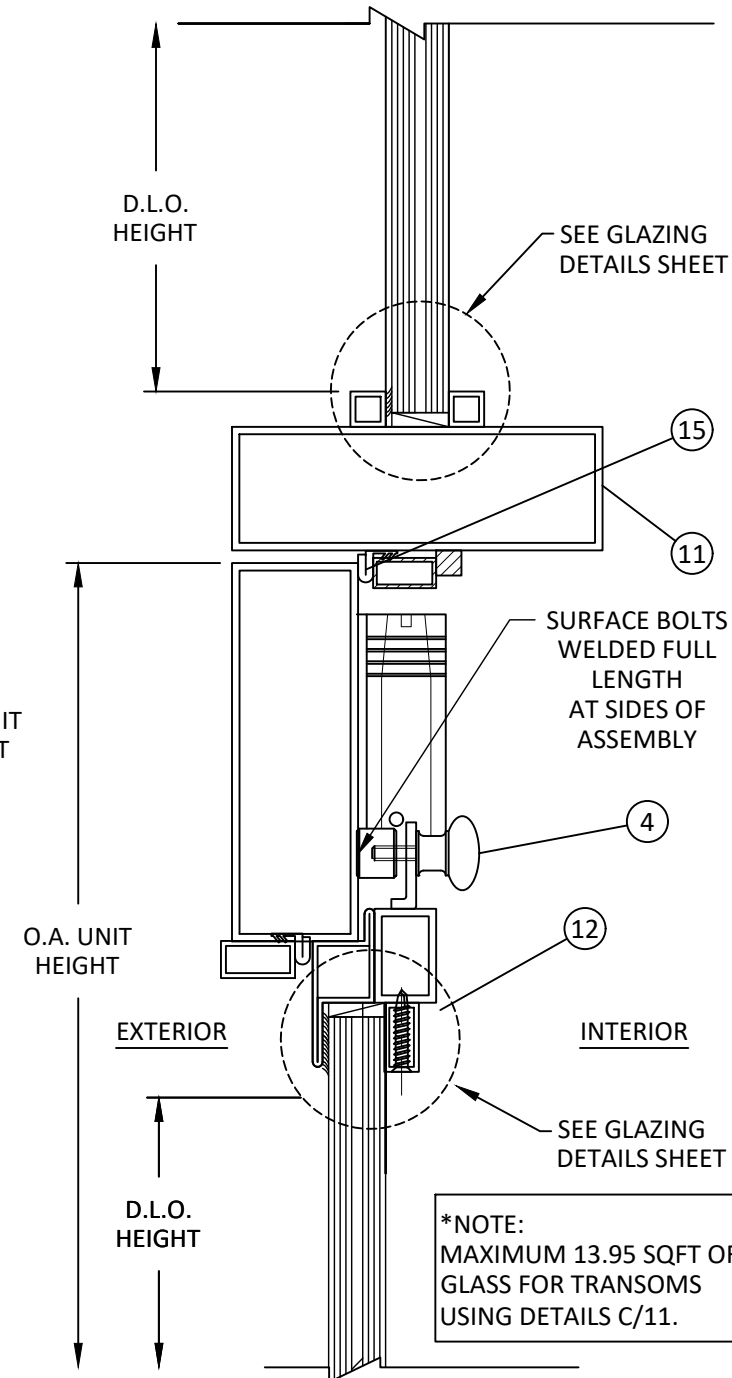
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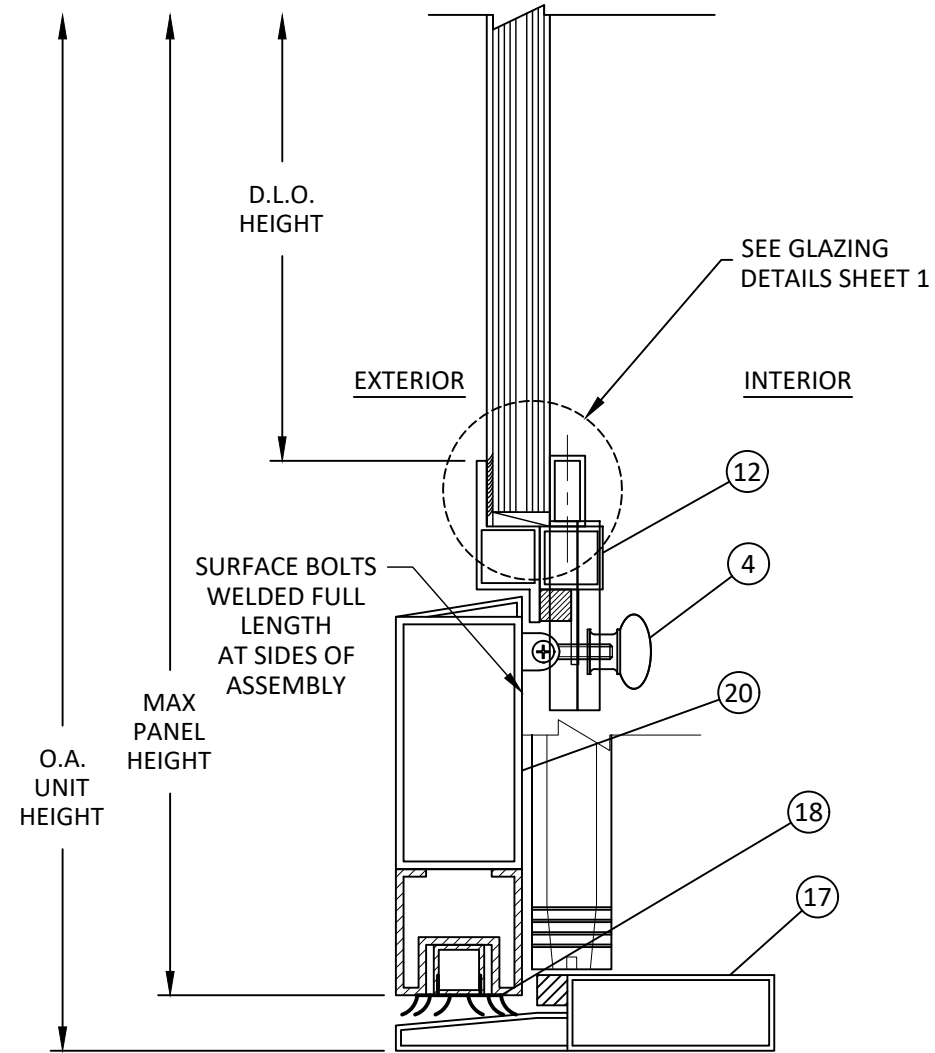
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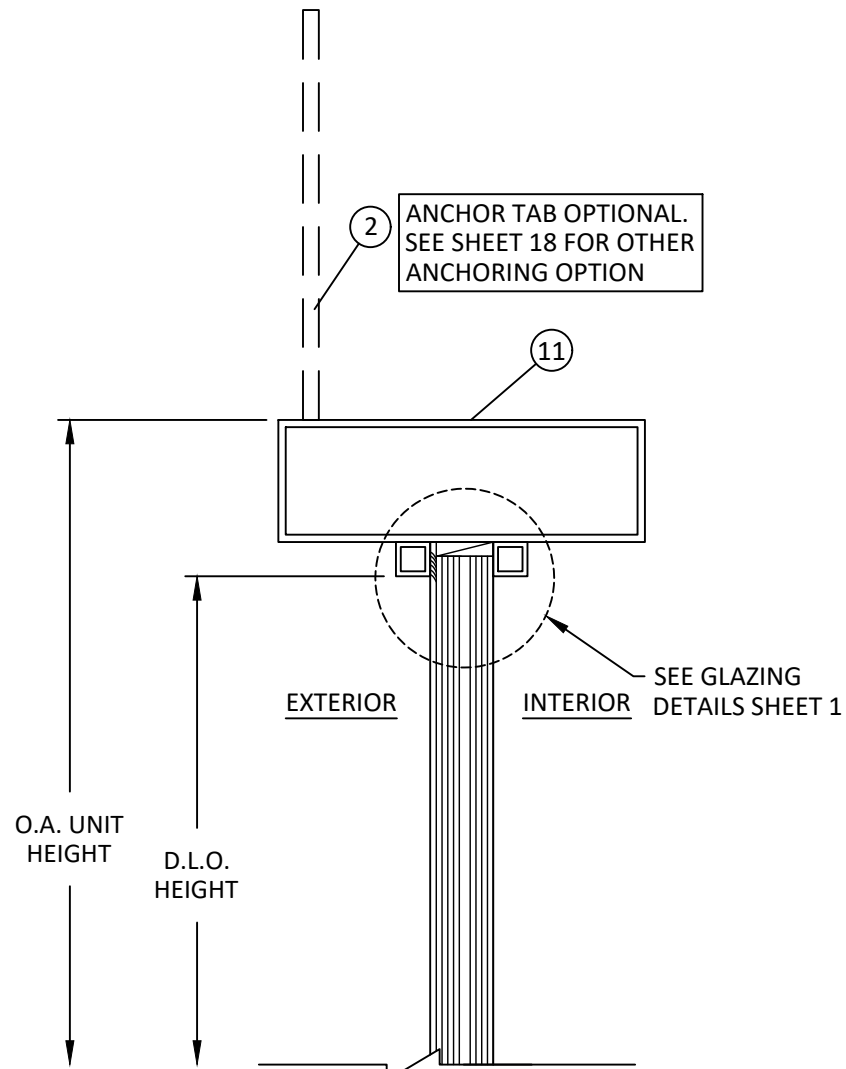
OF 21



C/11 VERTICAL SECTION
OUT-SWING DOOR WITH TRANSOM



B/11 VERTICAL SECTION
SILL DETAIL OUT-SWING DOOR



A/11 VERTICAL SECTION
HEAD DETAIL TRANSOM



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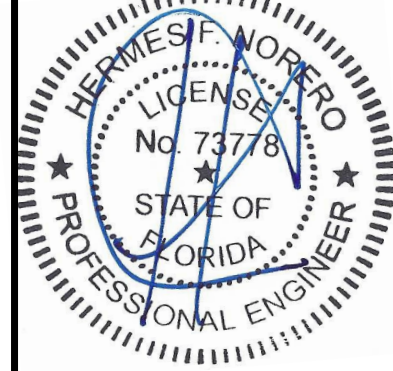
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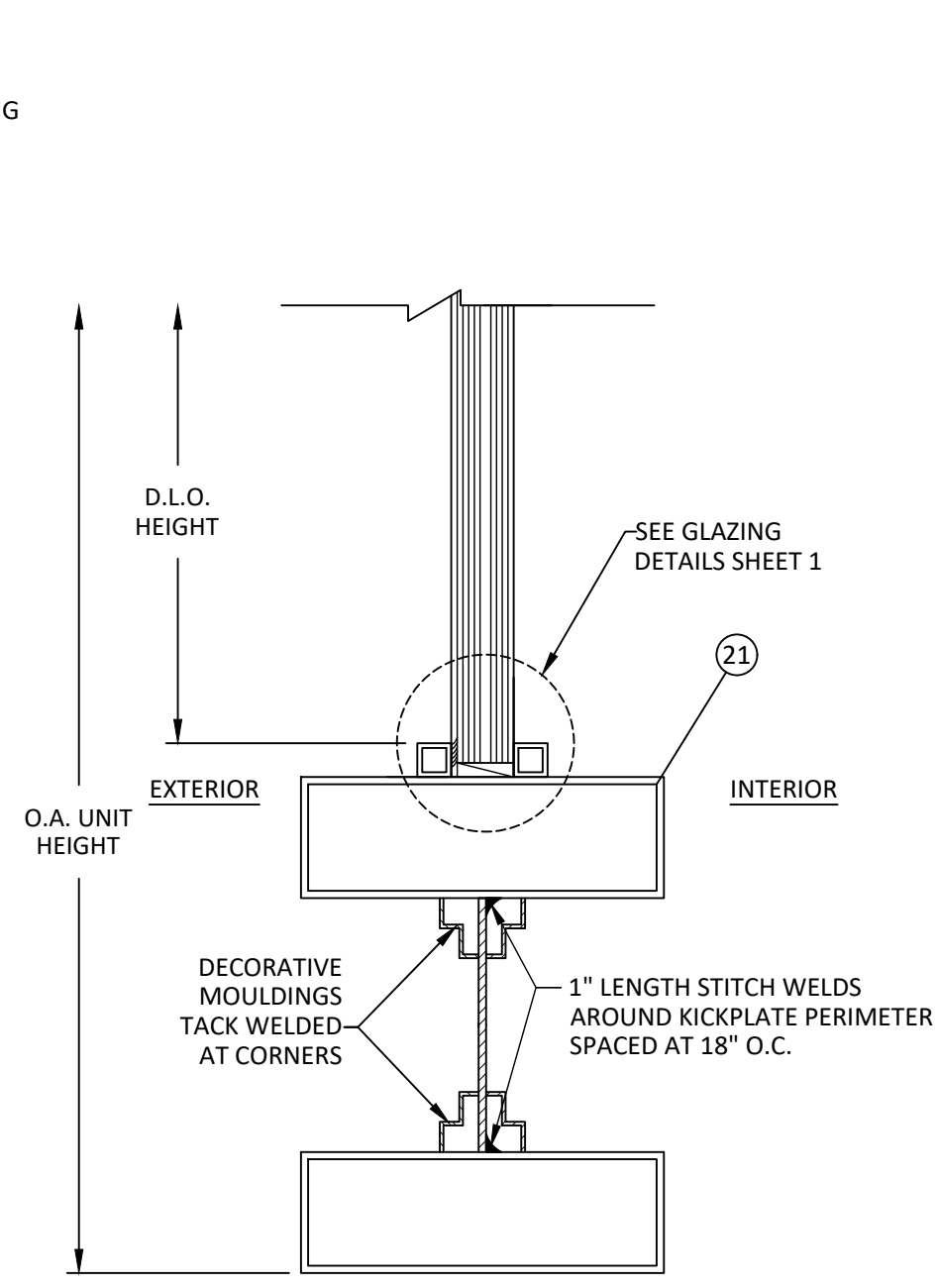
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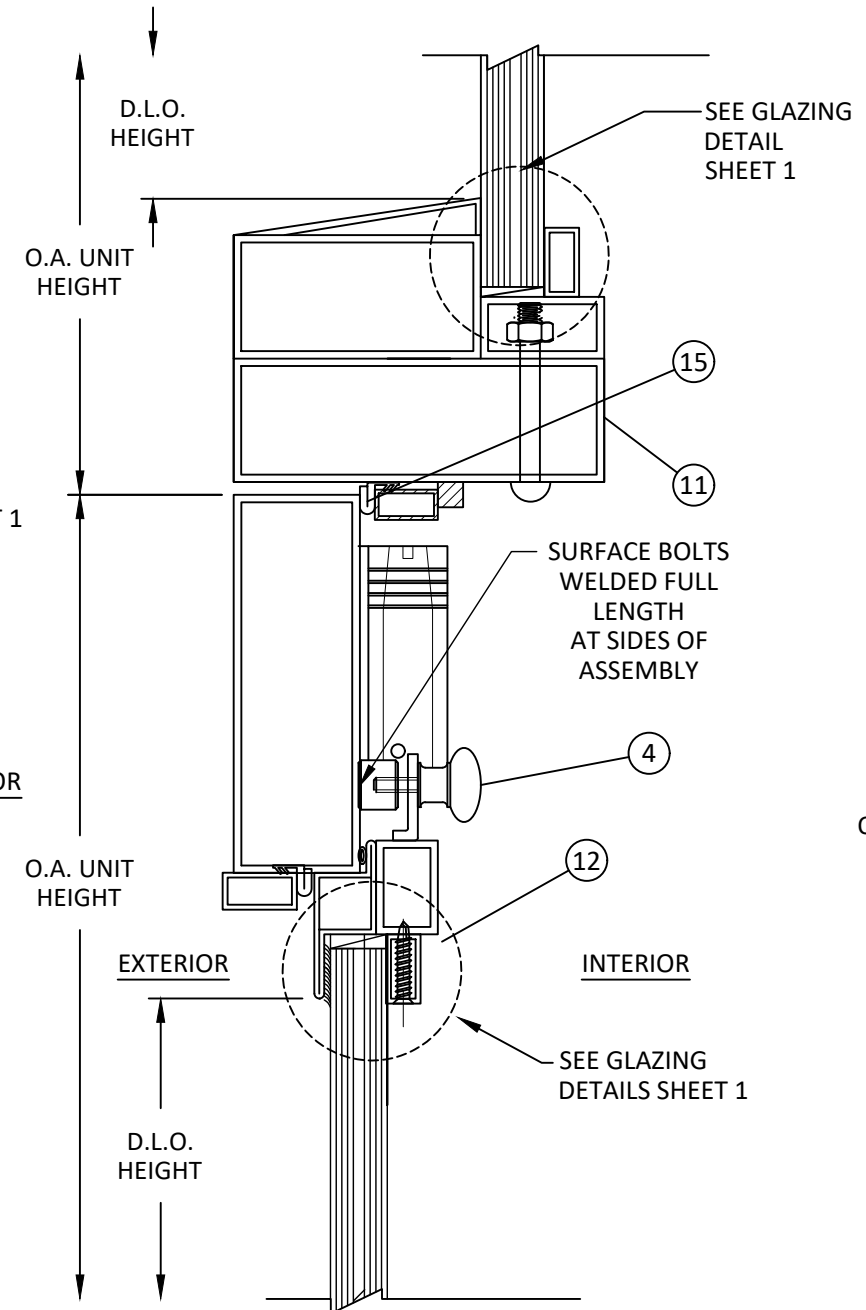
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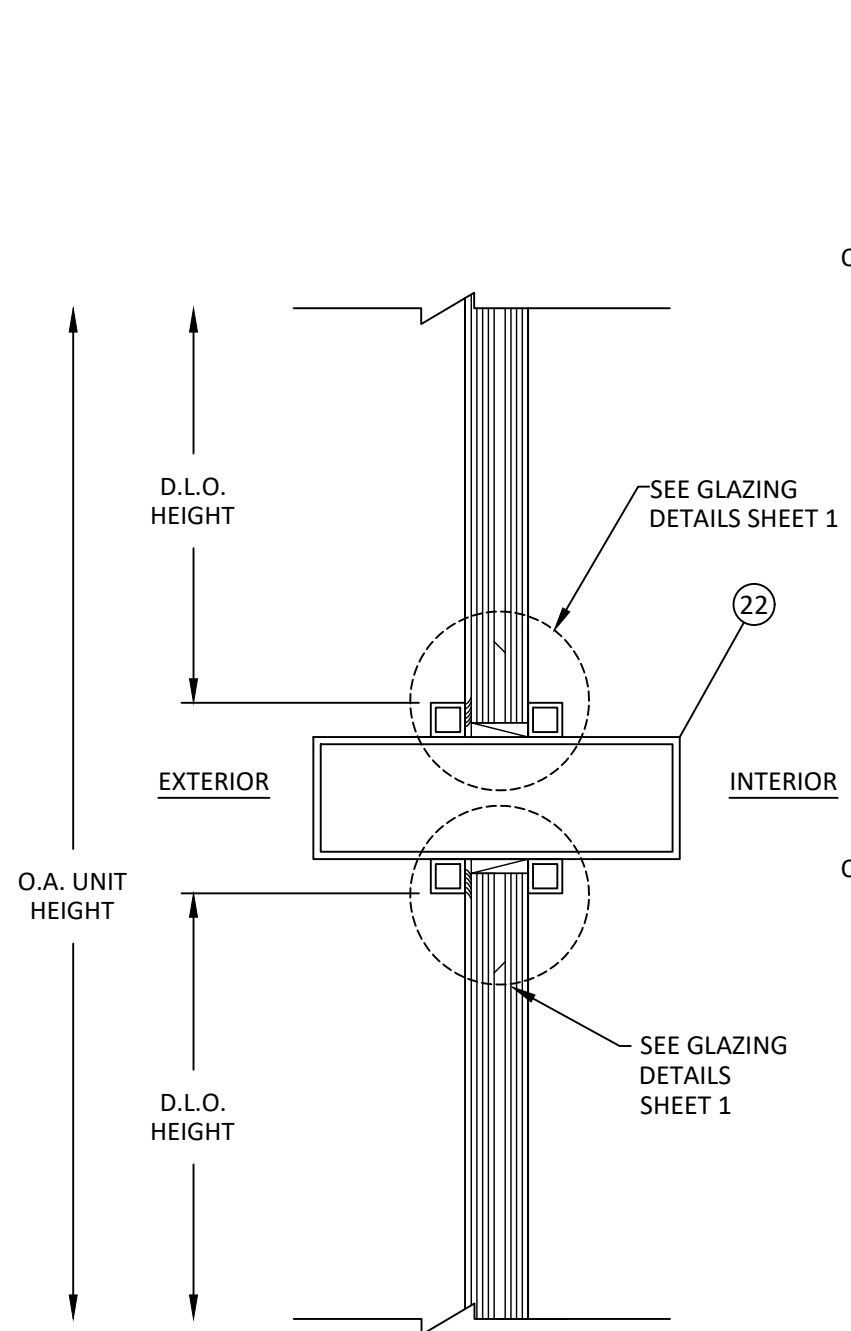
OF 21



C
12 VERTICAL SECTION
SIDELITE-KICKPLATE



B
12 VERTICAL SECTION
OUTSWING DOOR TO TRANSOM



A
12 VERTICAL SECTION
TRANSOM-SIDELITE



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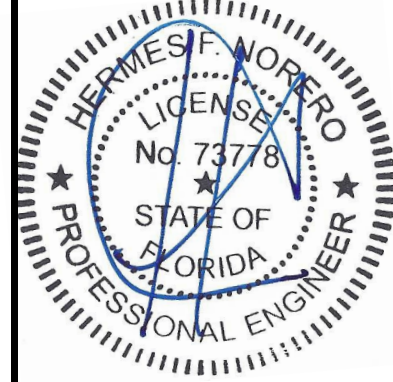
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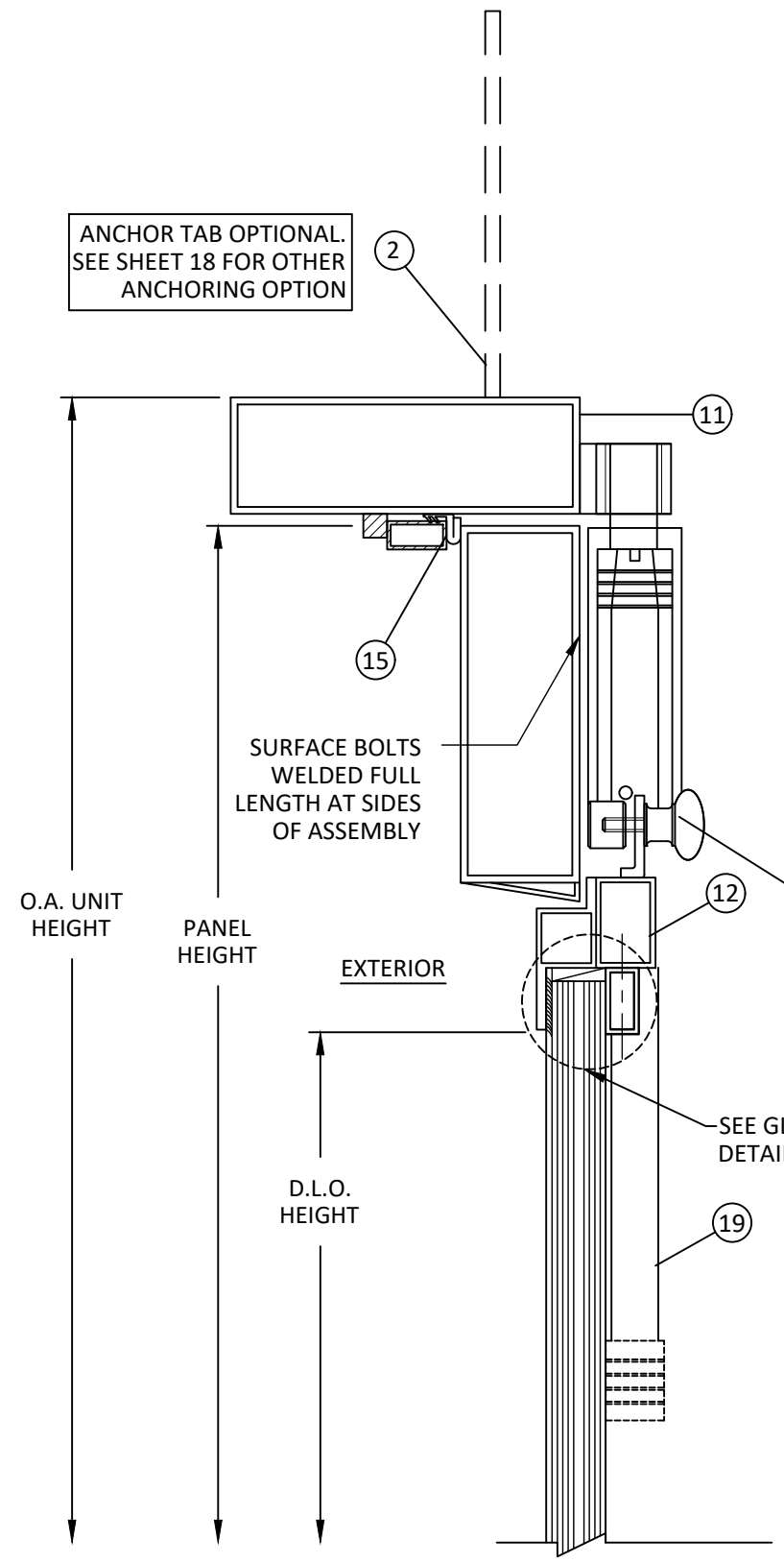
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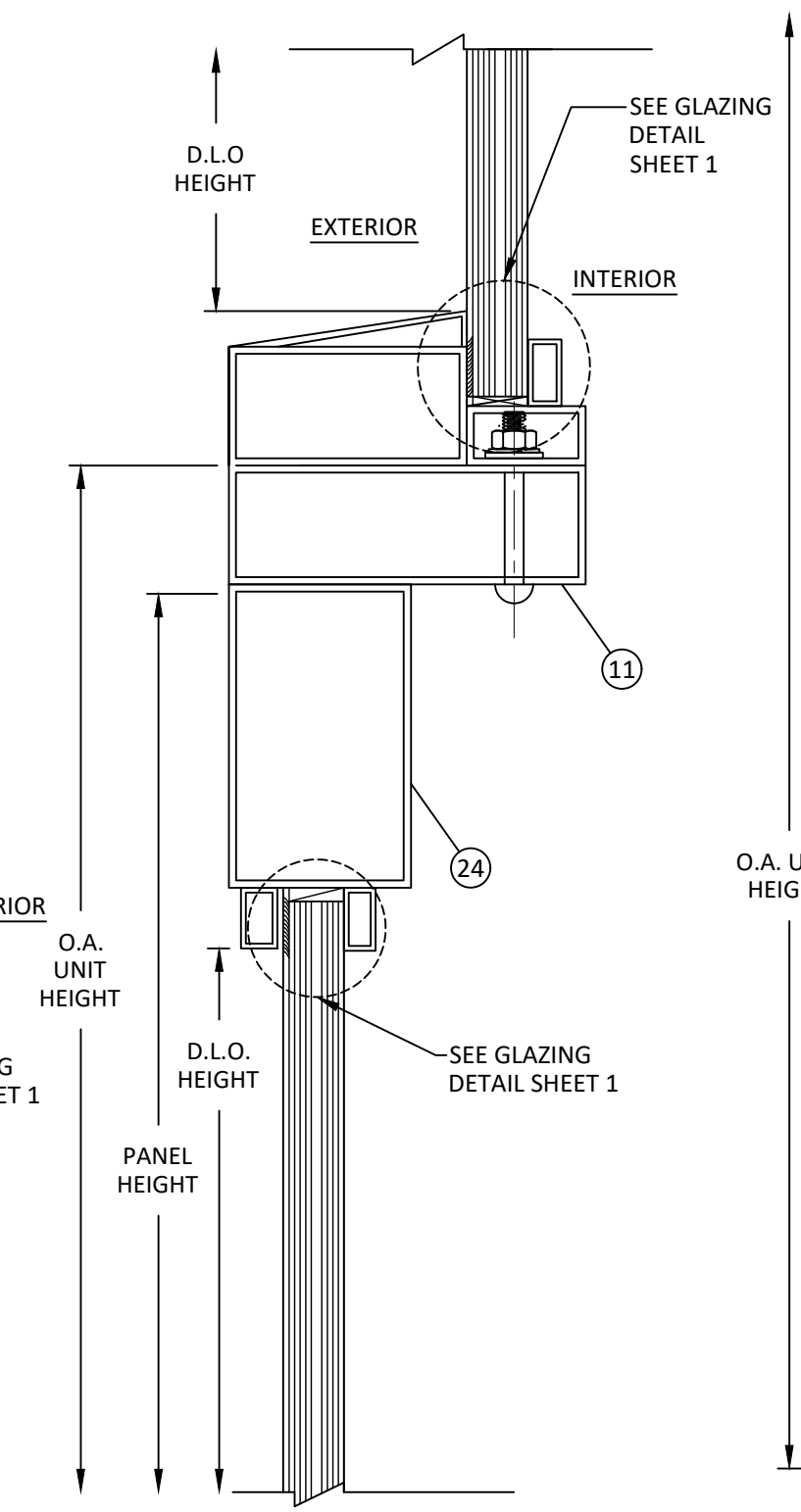
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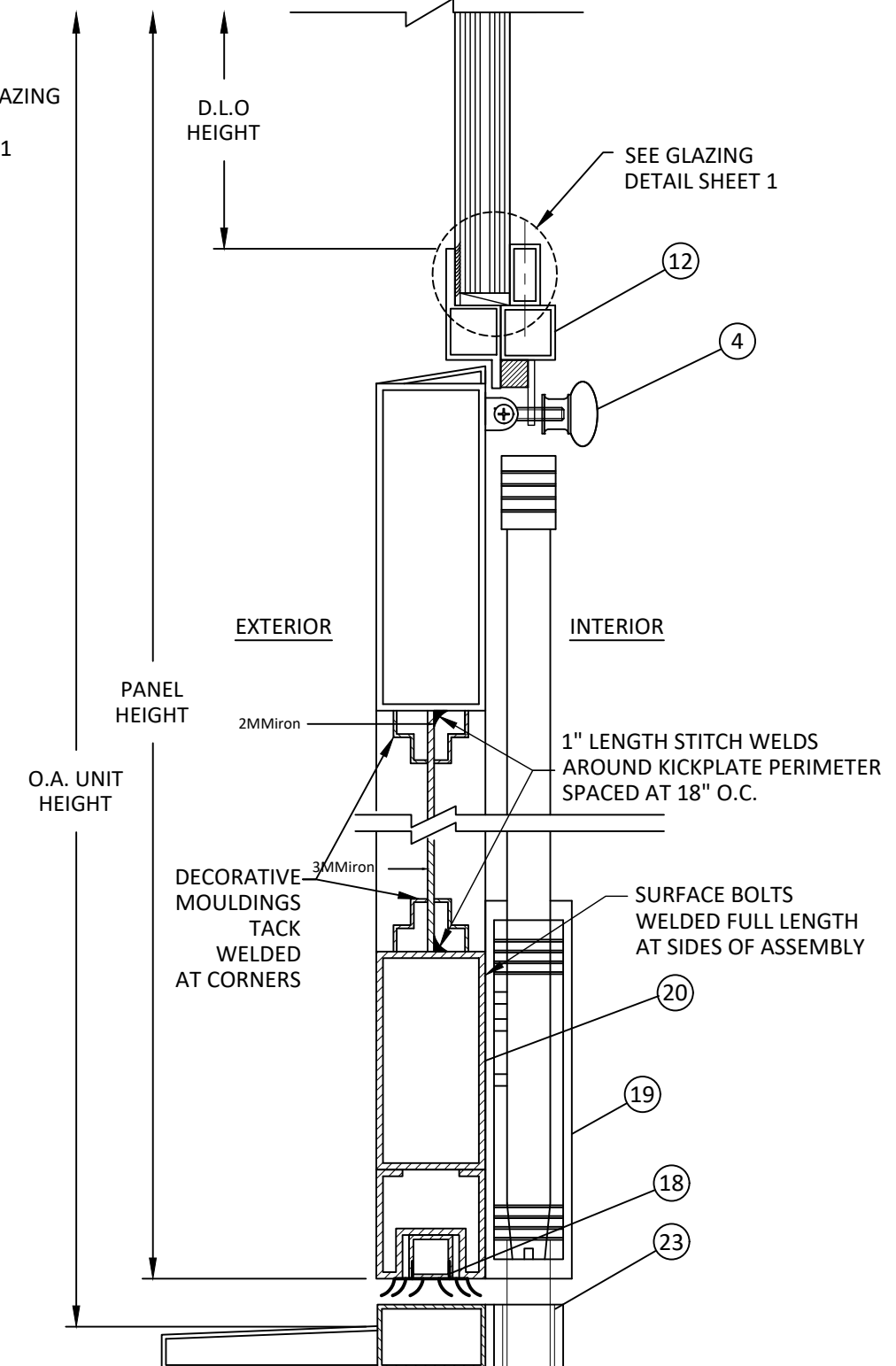
OF 21



A
13 VERTICAL SECTION
HEAD DETAIL FOR IN-SWING DOOR



B
13 VERTICAL SECTION
TRANSOM-SIDELITE



C
13 VERTICAL SECTION
SILL DETAIL FOR IN-SWING DOOR

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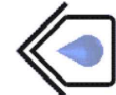
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 FORT MYERS, FL 33916

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TITLE: **WROUGHT IRON DOORS
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 (HVHZ/IMPACT)**

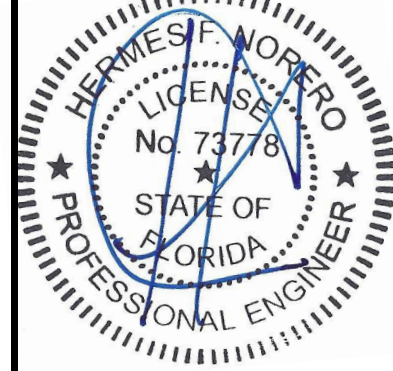
VERTICAL SECTIONS

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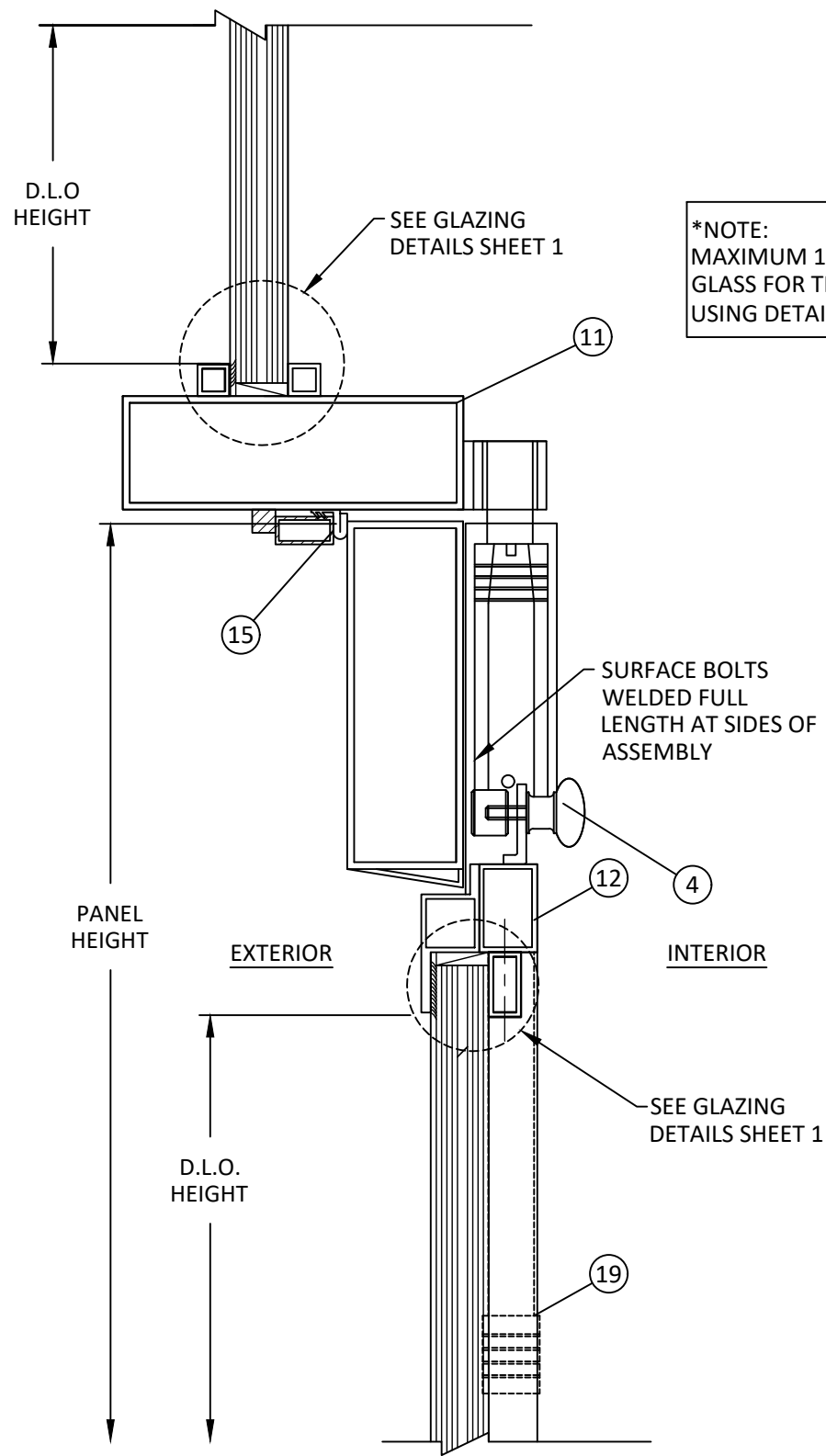
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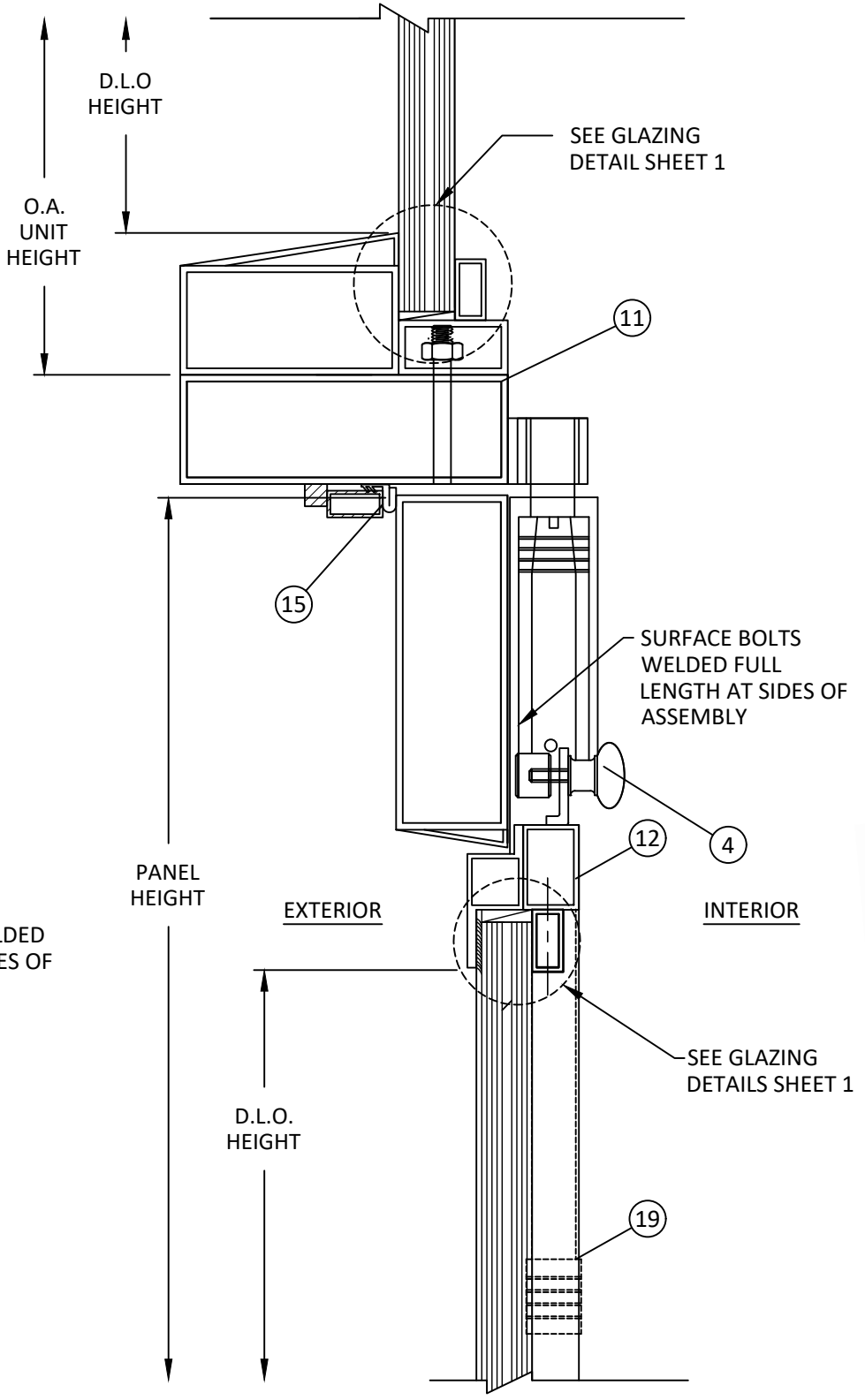
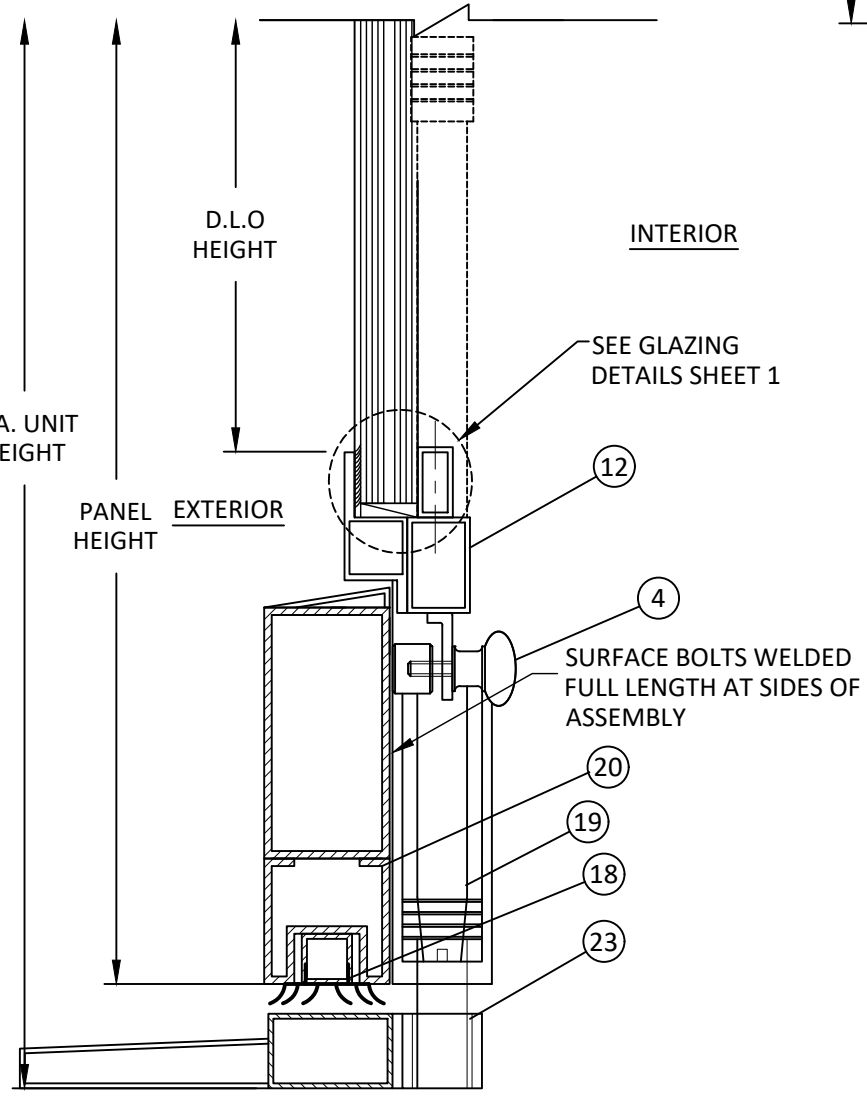
SHEET:

14

OF 21



*NOTE:
 MAXIMUM 13.95 SQFT OF
 GLASS FOR TRANSOMS
 USING DETAILS A/14.



A
14 **VERTICAL SECTION**
 IN-SWING DOOR WITH TRANSOM

B
14 **VERTICAL SECTION**
 IN-SWING DOOR THRESHOLD

C
14 **VERTICAL SECTION**
 IN-SWING DOOR WITH TRANSOM

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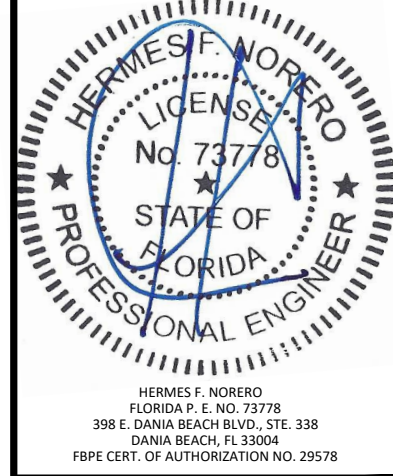
TITLE: **WROUGHT IRON DOORS
 (INSWING/OUTSWING)
 (HVHZ/IMPACT)**

HORIZONTAL SECTIONS

PREPARED BY: **BUILDING DROPS, INC.**
 398 E. DANIA BEACH BLVD., STE. 338
 DANIA BEACH, FL 33004
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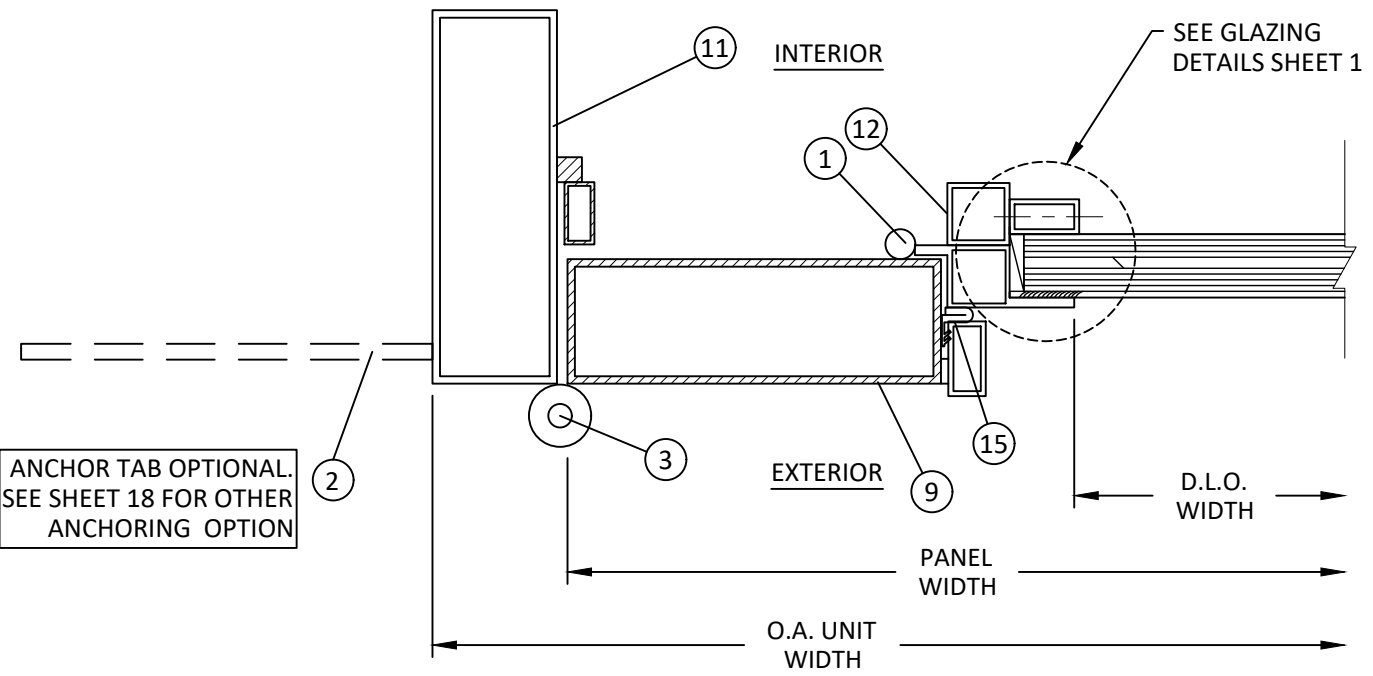
DWG. BY: **YC** | CHK. BY: **HFN**

SCALE: **NTS**

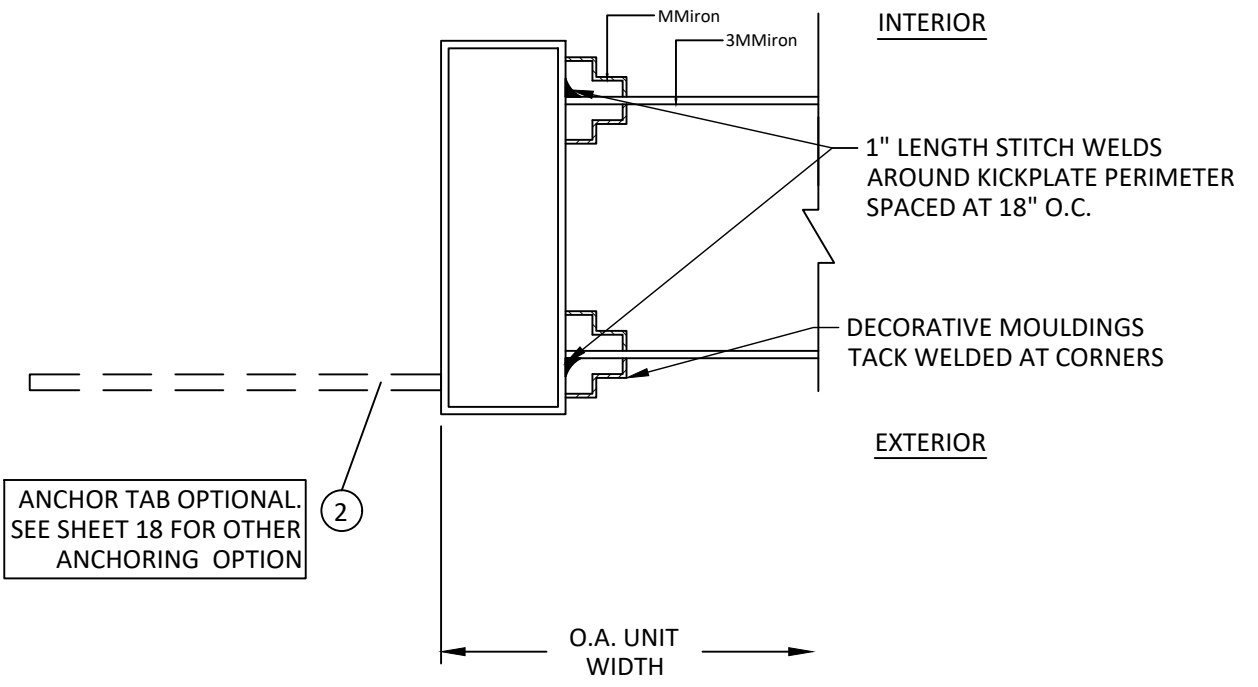
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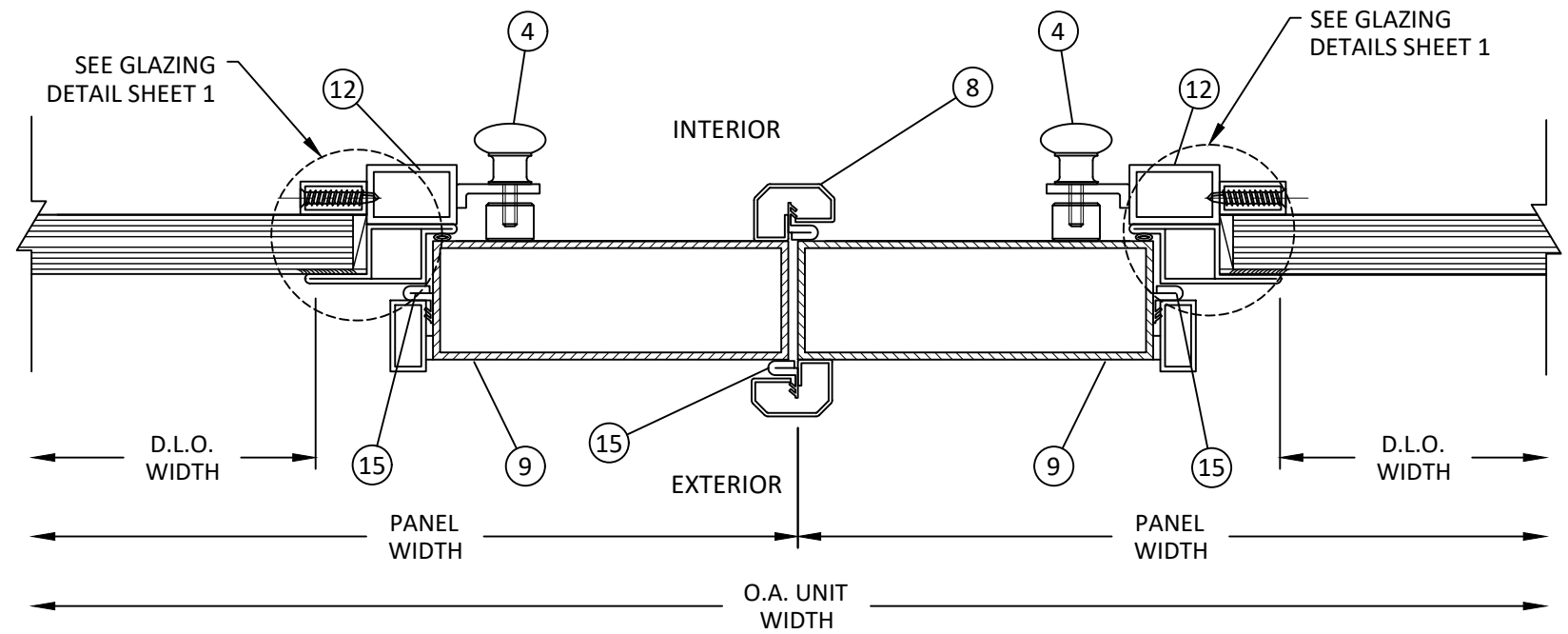
OF 21



A
15 HORIZONTAL SECTION
 JAMB DETAIL OUTSWING DOOR



B
15 HORIZONTAL SECTION
 JAMB DETAIL



C
15 HORIZONTAL SECTION
 ASTRAGAL-WELDED TAB
 TYPICAL FOR OUTSWING/INSWING CONFIGURATIONS

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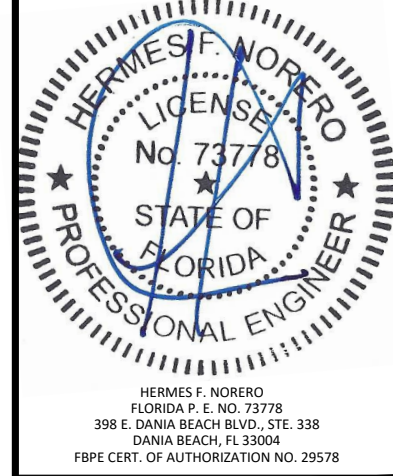
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 DANIA BEACH, FL 33004
 PH: (954)399-8478
 FAX: (954)744-4738
 WEB: www.buildingdrops.com



REMARKS	BY	DATE

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FL16749

DATE: **03.21.19**

DWG. BY: **YC** | CHK. BY: **HFN**

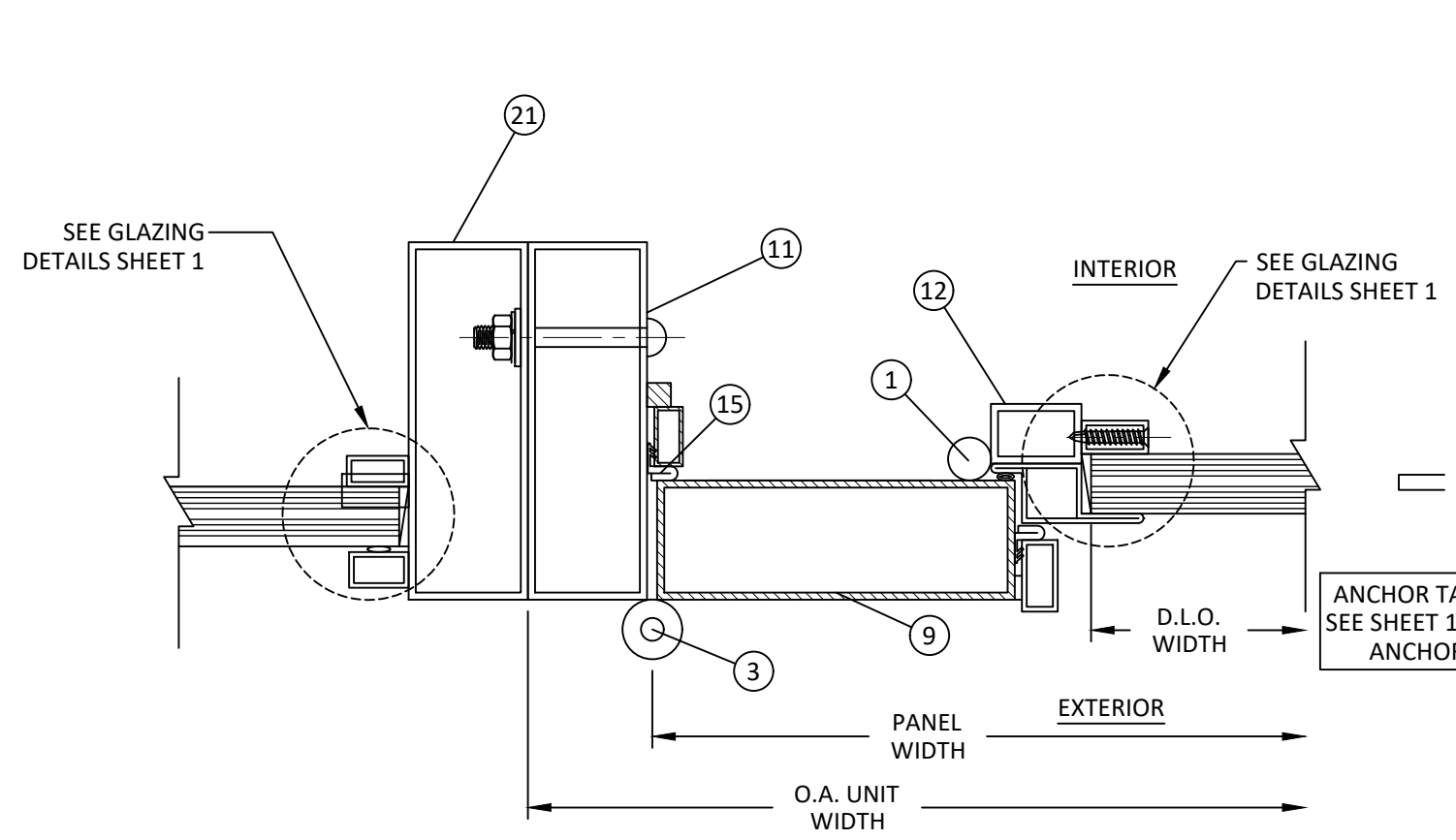
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DWG. #: **PCI013**

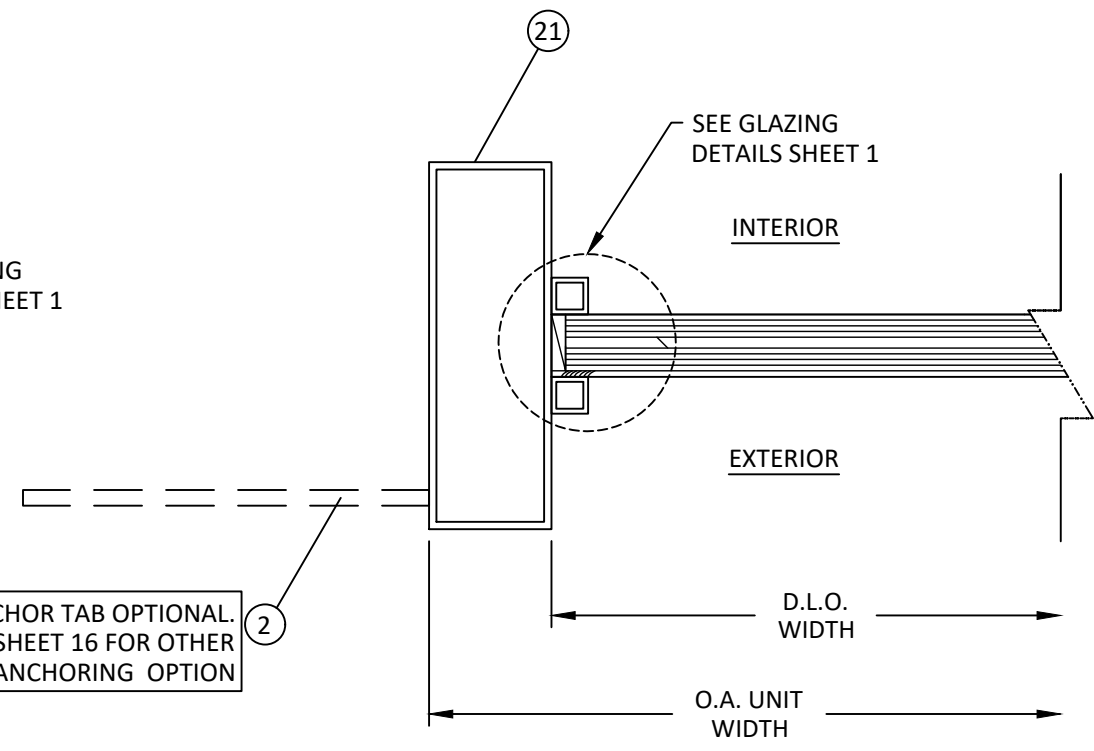
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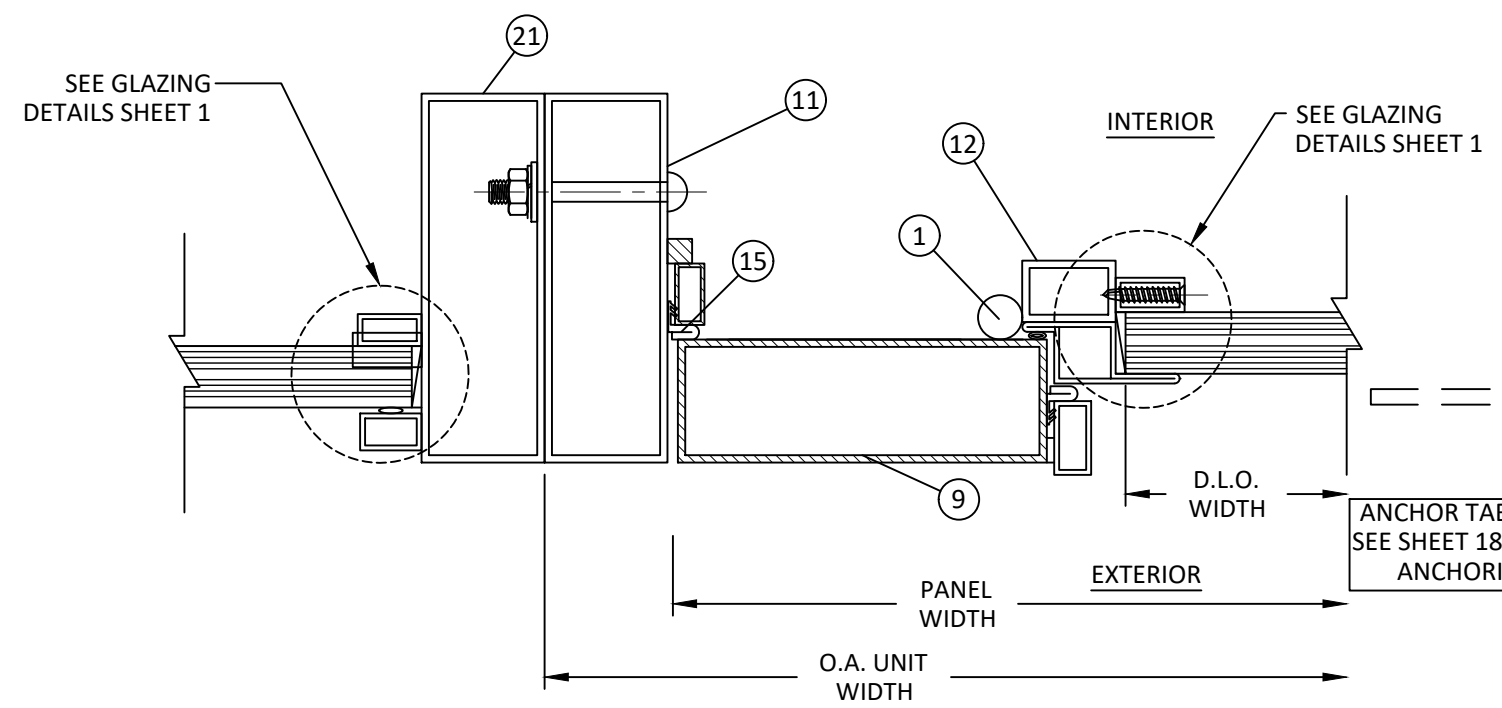
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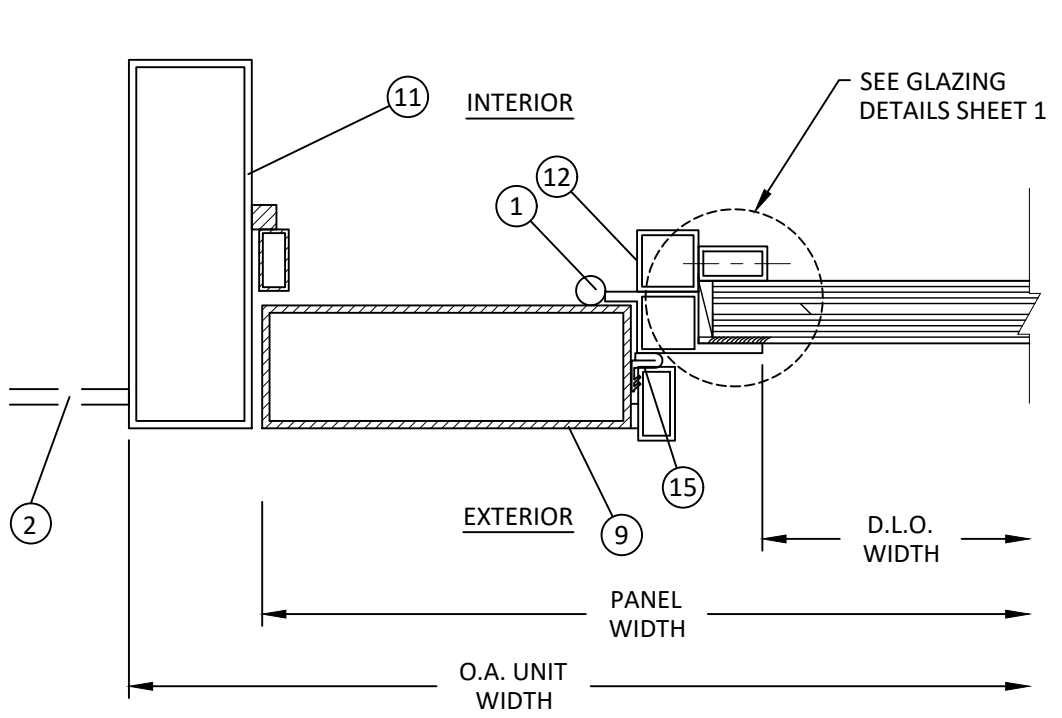
A
16 HORIZONTAL SECTION
 JAMB DETAIL OUTSWING DOOR



B
16 HORIZONTAL SECTION
 JAMB DETAIL(FIXED)



C
16 HORIZONTAL SECTION
 LOCK TO JAMB DETAIL OUTSWING DOOR(MULLION)



D
16 HORIZONTAL SECTION
 LOCK TO JAMB DETAIL OUTSWING DOOR

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

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

TITLE: WROUGHT IRON DOORS
(INSWING/OUTSWING)
(HVHZ)(IMPACT)

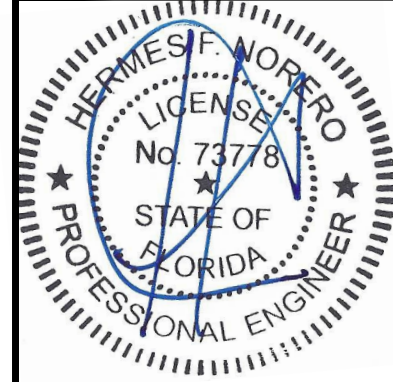
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

FL16749

DATE: 03.21.19

DWG. BY: YC CHK. BY: HFN

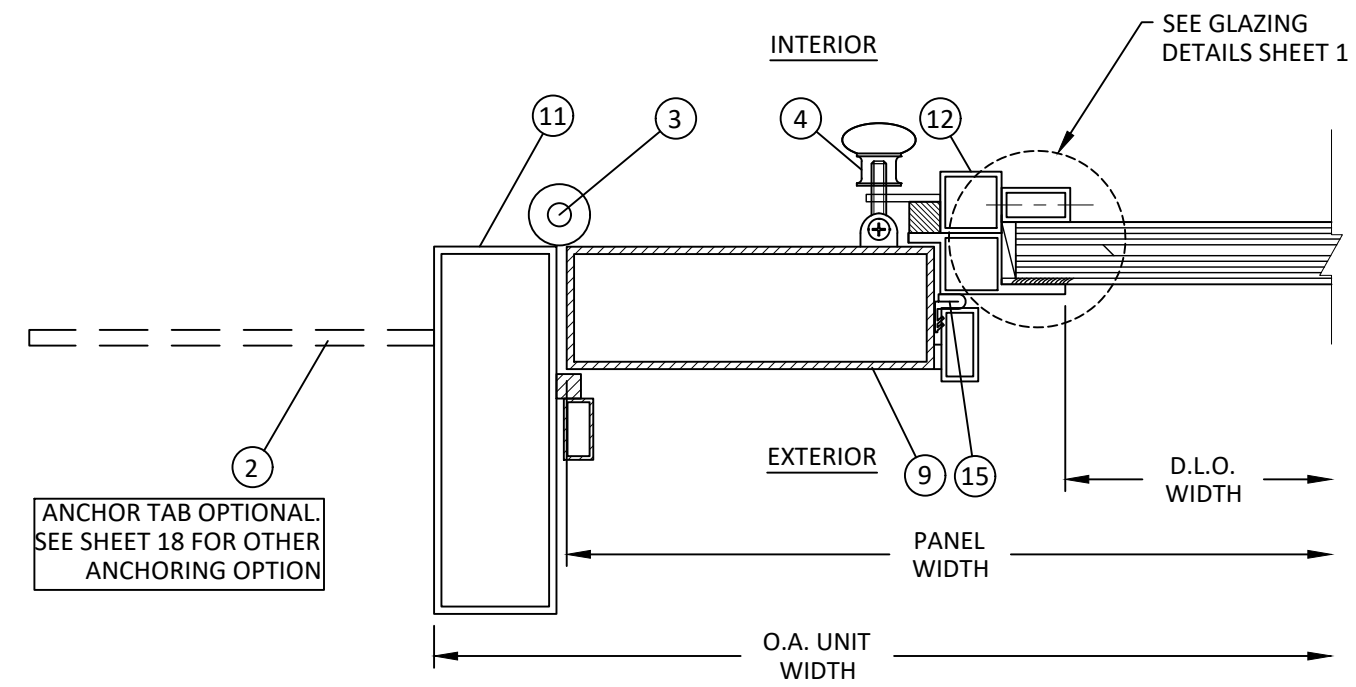
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DWG. #: PCI013

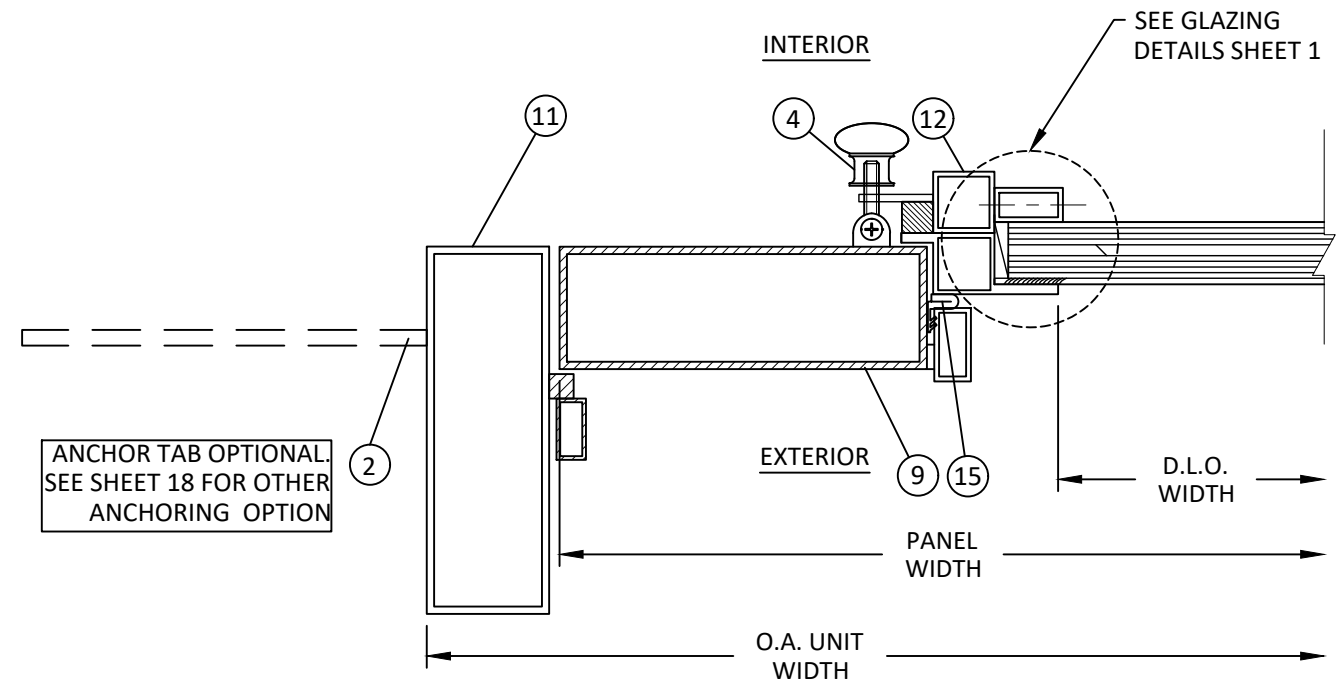
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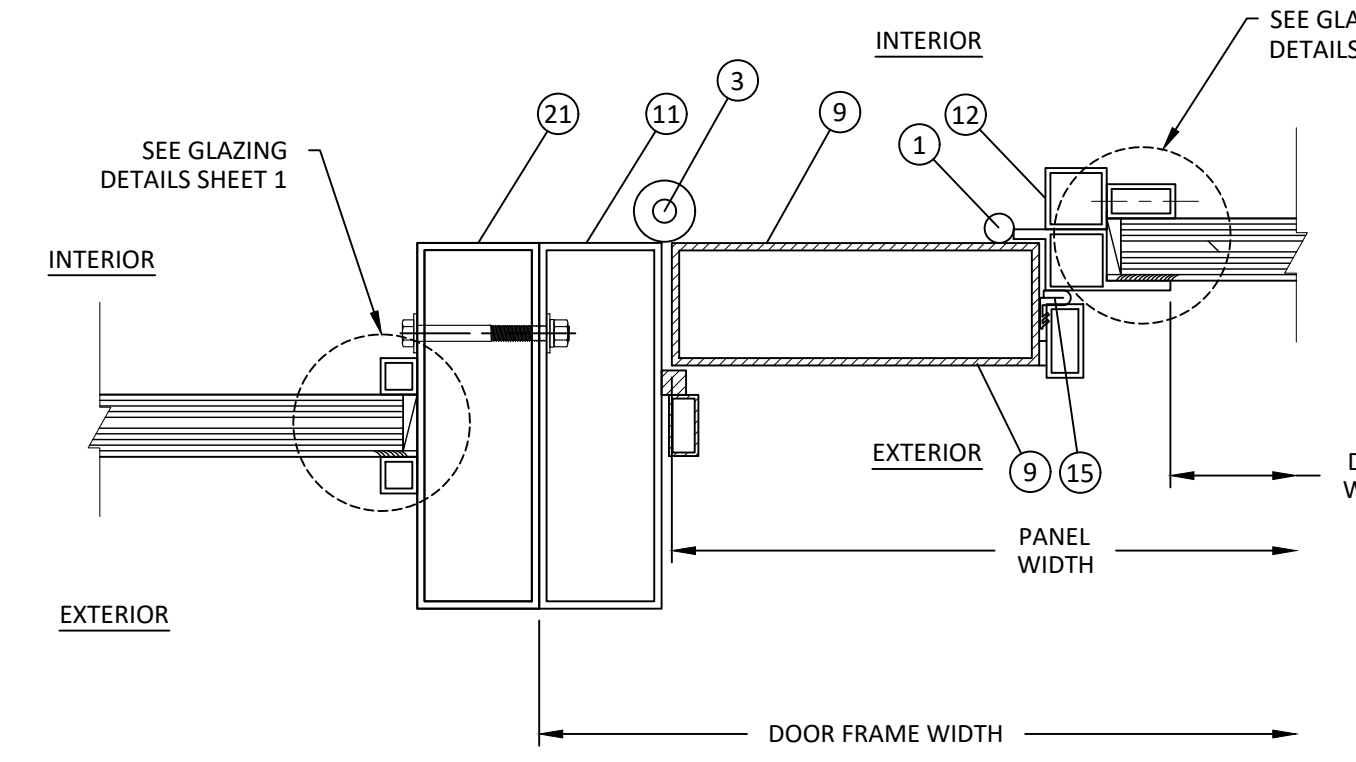
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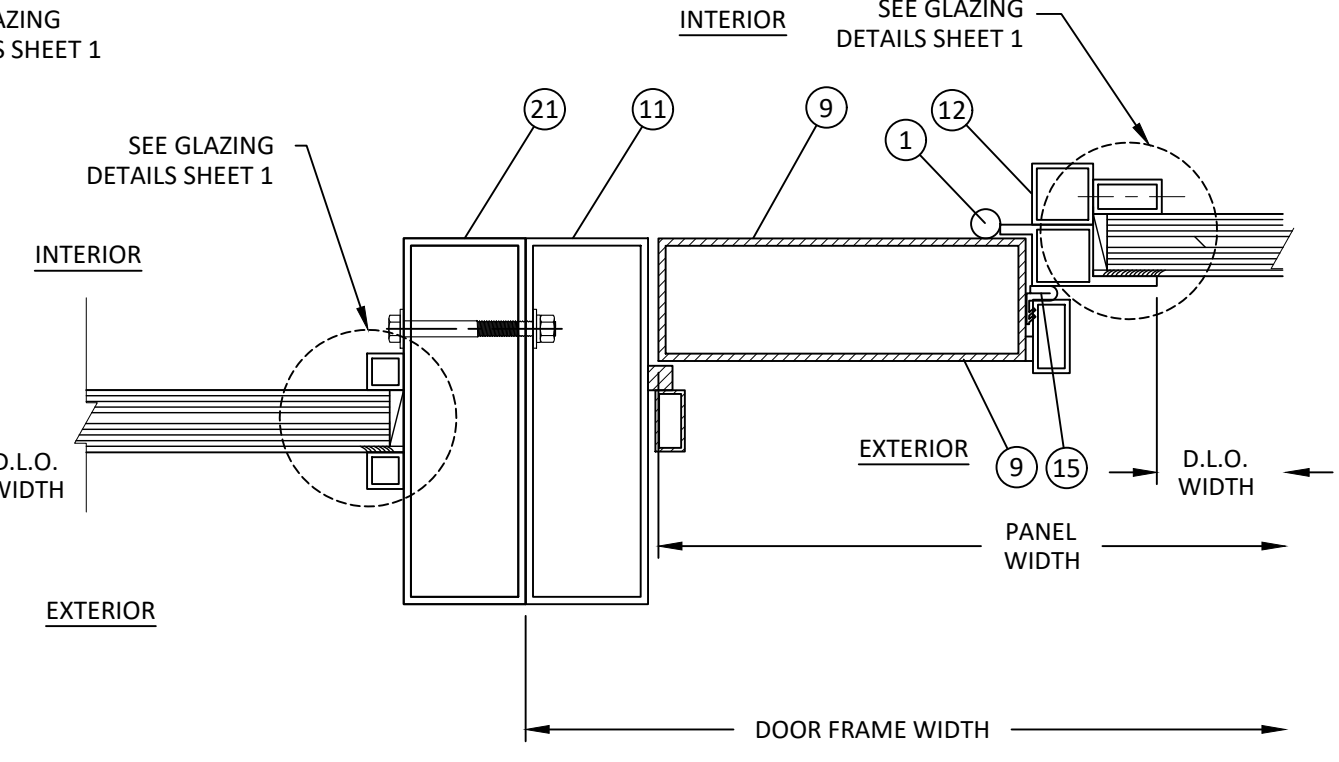
A
17 HORIZONTAL SECTION
JAMB DETAIL INSWING DOOR



B
17 HORIZONTAL SECTION
LOCK TO JAMB DETAIL INSWING DOOR



C
17 HORIZONTAL SECTION
JAMB DETAIL INSWING DOOR (MULLION)



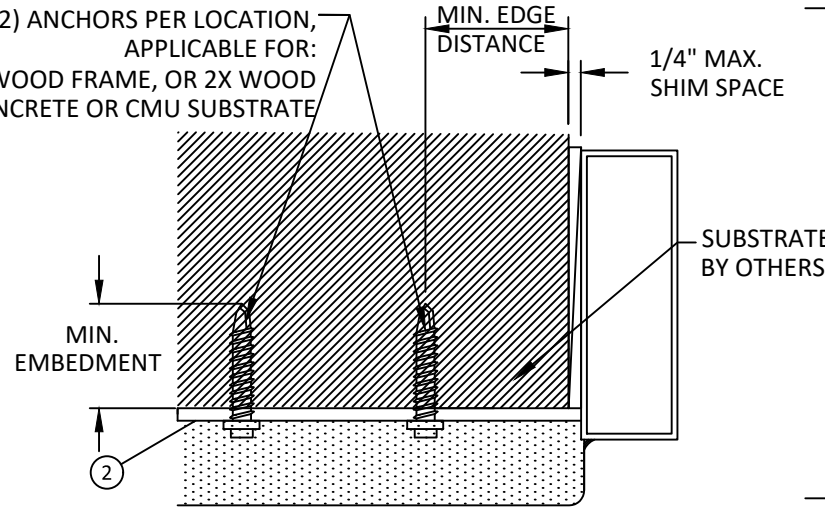
D
17 HORIZONTAL SECTION
LOCK TO JAMB DETAIL INSWING DOOR (MULLION)

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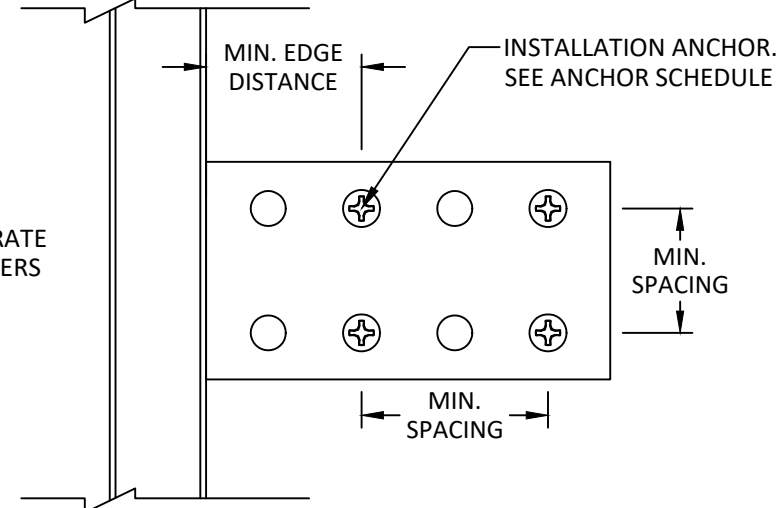
INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- 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 $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAX. 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.
- USE 3/8" WASHERS WITH ALL INSTALLATION FASTENERS.
- 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.
- 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 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.
 - STEEL - MIN. YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 49 MILS (18 GAUGE).

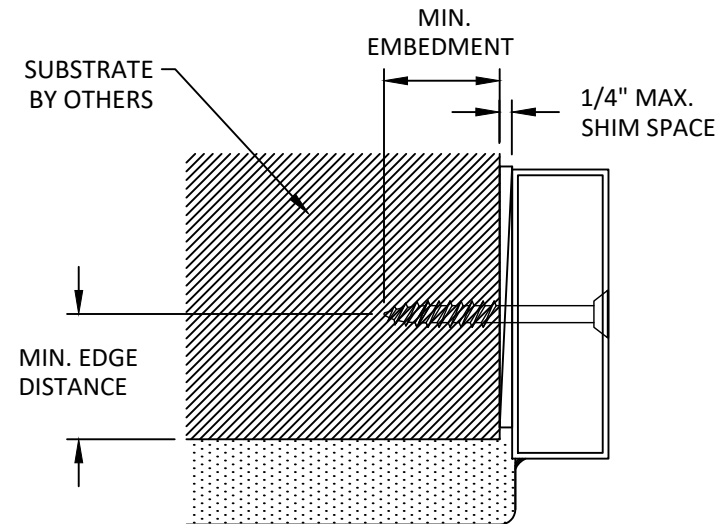
(2) ANCHORS PER LOCATION, APPLICABLE FOR:
(2) 2X WOOD FRAME, OR 2X WOOD BUCK WITH CONCRETE OR CMU SUBSTRATE



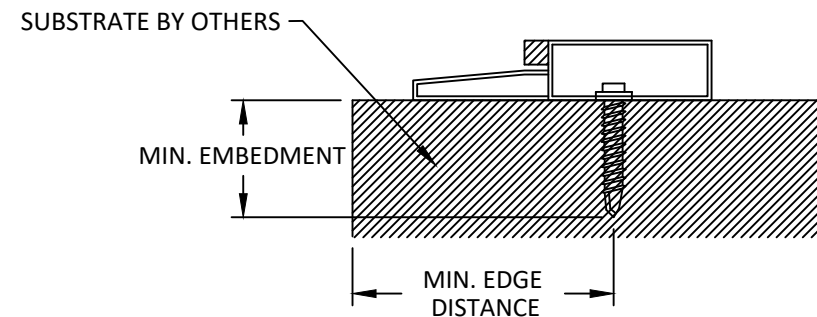
A
18 HORIZONTAL SECTION
THROUGH MOUNTING TAB INSTALLATION
SIMILAR DETAIL FOR HEAD



B
18 FRONT VIEW
THROUGH MOUNTING TAB INSTALLATION
TYPICAL LAYOUT(4 ANCHOR/STRAP)



C
18 HORIZONTAL SECTION
THROUGH FRAME INSTALLATION
SIMILAR DETAIL FOR HEAD



D
18 VERTICAL SECTION
THROUGH SILL INSTALLATION
AT SURFACE BOLT LOCATIONS

ANCHOR SCHEDULE

METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
THROUGH MOUNTING TAB	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	0.75"	0.75"
	CONCRETE: MIN. F'C = 3000 PSI	1/4" ITW TAPCON	1.75"	2"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	2"	2"
THROUGH FRAME (HEAD AND JAMB)	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	2.5"	2.5"
	CONCRETE: MIN. F'C = 3000 PSI	1/4" ITW TAPCON	1.75"	3"	3"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLAT HEAD	1"	2"	2"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 PAN HEAD IN EXTERIOR CHANNEL	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	0.50"
THROUGH SILL	CONCRETE: MIN. F'C = 3000 PSI	1/4" ITW TAPCON	1.75"	3"	3"



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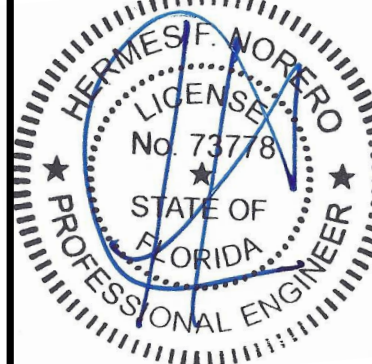
TITLE: WROUGHT IRON DOORS
(INSWING/OUTSWING)
(HVHZ/IMPACT)
INSTALLATION
DETAILS & NOTES

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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DANIA BEACH, FL 33004
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FL16749

DATE: 03.21.19

DWG. BY: YC CHK. BY: HFN

SCALE: NTS

DWG. #: PCI013

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18

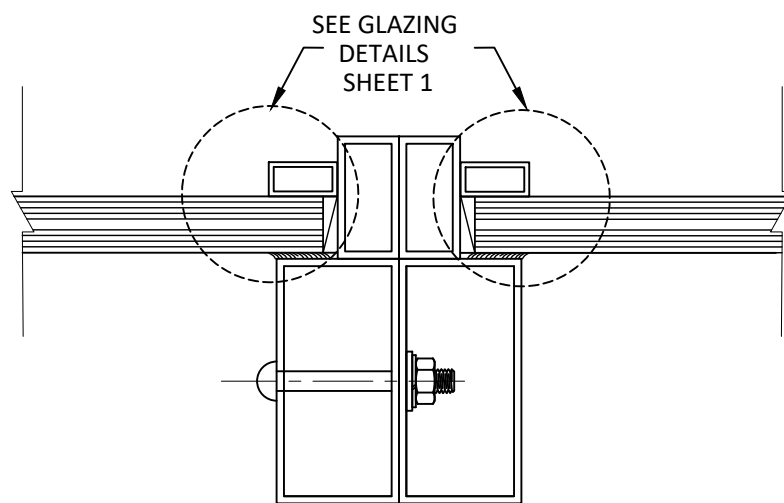
OF 21

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1	GLASS PANEL HINGE	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
2	MOUNTING TAB	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
3	DOOR PANEL HINGE	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
4	GLASS PANEL LATCH	STEEL & ZINC ALLOY	NATURAL CHOICES IRONWARE CO., LTD.
6	ROLLER CATCH	BRASS	HANGZHOU YOKING HARDWARE LIMITED
8	T-ASTRAGAL	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
9	DOOR STILE W/ WEATHER STRIP ACCEPTER	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
11	DOOR FRAME W/ WEATHER STRIP ACCEPTER	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
12	GLASS PANEL FRAME	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
14	STEEL GLAZING CAP	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
15	WEATHERSTRIP	POLYETHYLENE FOAM	HEIBI JIANAN SEALS TECHNOLOGY CO., LTD.
16	GLASS PANEL LATCH RING	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
17	OUTSWING THRESHOLD	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
18	SWEEP	RUBBER	USA WORLDWIDE DOOR COMPONENTS (PINGHU) CO., LTD
19	SURFACE BOLT	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
20	BOTTOM DOOR STILE W/ SWEEP ACCEPTER	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
21	SIDELITE/TRANSOM FRAME	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
22	TRANSOM TO SIDELITE FRAME	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
23	OUTSWING THRESHOLD	STEEL	NATURAL CHOICES IRONWARE CO., LTD.
24	SIDELITE FRAME	STEEL	NATURAL CHOICES IRONWARE CO., LTD.

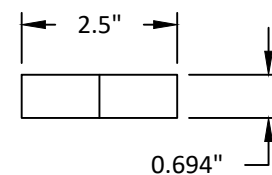
NOTE:

1. ALL STEEL COMPONENTS ARE Q235 GRADE STEEL (Fy min = 34.1 KSI, Fty min = 54.4 KSI)
2. ALL EXPOSED STEEL COMPONENTS ARE SHOP PRIMED.
3. ALL WELDED COMPONENTS ARE SHOP WELDED USING E70XX ELECTRODE

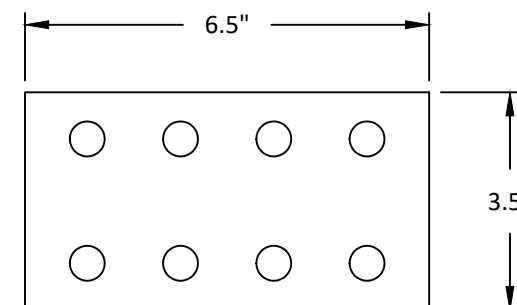


A
19
HORIZONTAL SECTION
MULLION AT TRANSOM

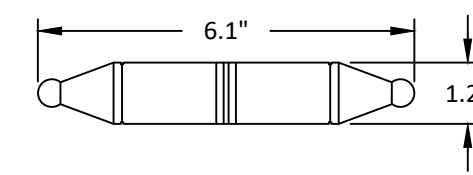
1 GLASS PANEL HINGE
STEEL



2 MOUNTING TAB
STEEL



3 DOOR PANEL HINGE
STEEL



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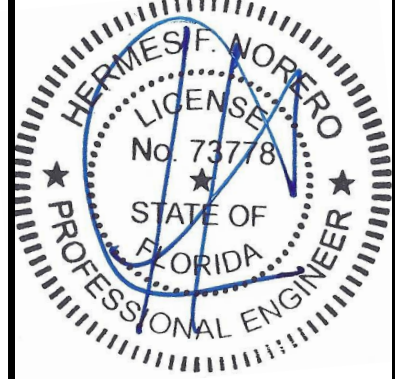
TITLE: WROUGHT IRON DOORS
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(HVHZ/IMPACT)
COMPONENTS &
BILL OF MATERIALS

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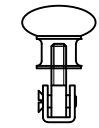
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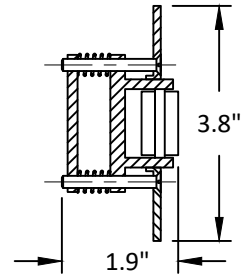
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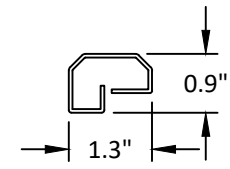
4 GLASS PANEL LATCH STEEL & ZINC ALLOY



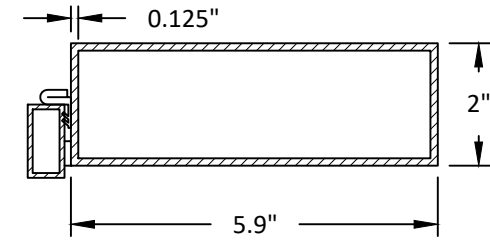
6 ROLLER CATCH BRASS



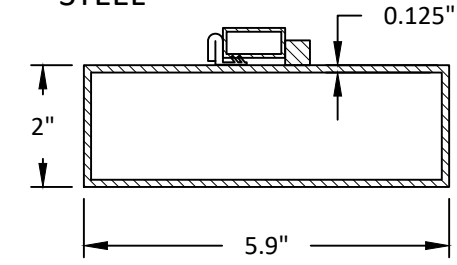
8 T-ASTRAGAL STEEL



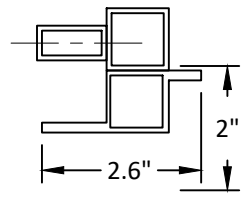
9 DOOR STILE W/ WEATHER STRIP ACCEPTER STEEL



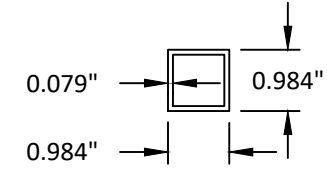
11 DOOR FRAME W/ WEATHER STRIP ACCEPTER STEEL



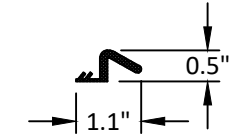
12 GLASS PANEL FRAME STEEL



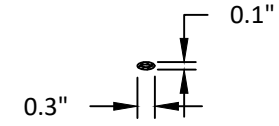
14 STEEL GLAZING CAP STEEL



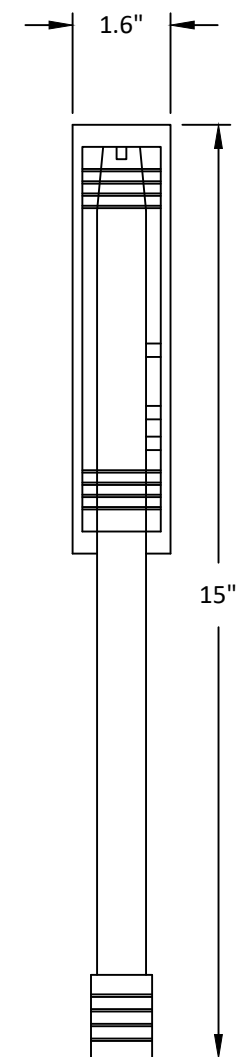
15 WEATHERSTRIP POLYETHYLENE FOAM



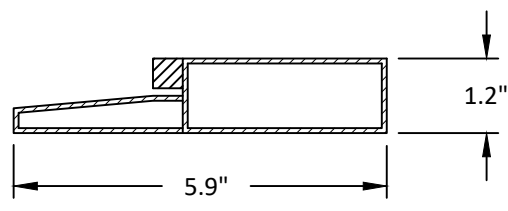
16 GLASS PANEL LATCH RING STEEL



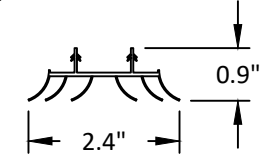
19 SURFACE BOLT STEEL



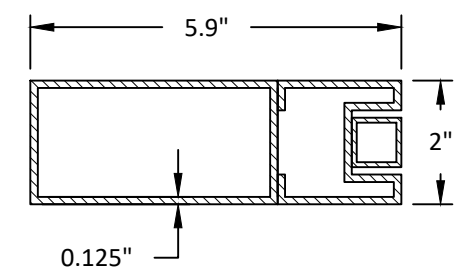
17 OUTSWING THRESHOLD STEEL



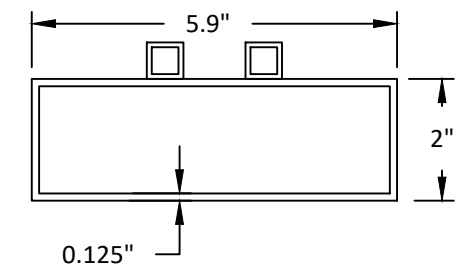
18 SWEEP RUBBER



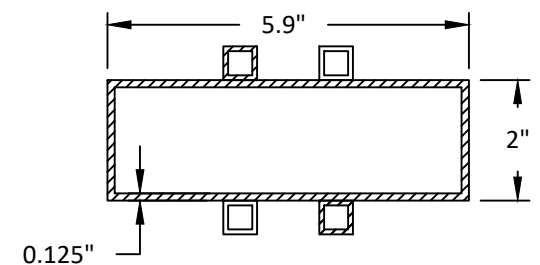
20 DOOR STILE W/ SWEEP ACCEPTER STEEL



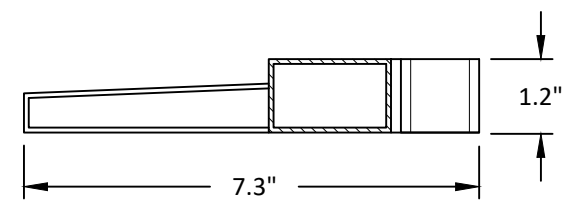
21 SIDELITE/TRANSOM FRAME STEEL



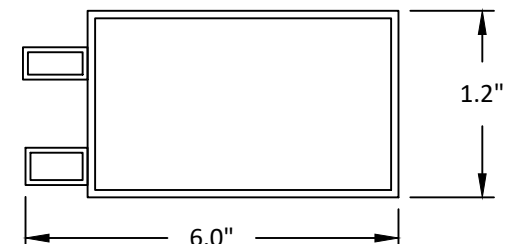
22 SIDELITE/TRANSOM FRAME STEEL



23 INSWING THRESHOLD STEEL



24 SIDELITE FRAME STEEL



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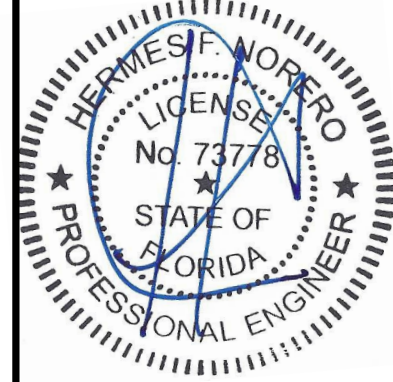
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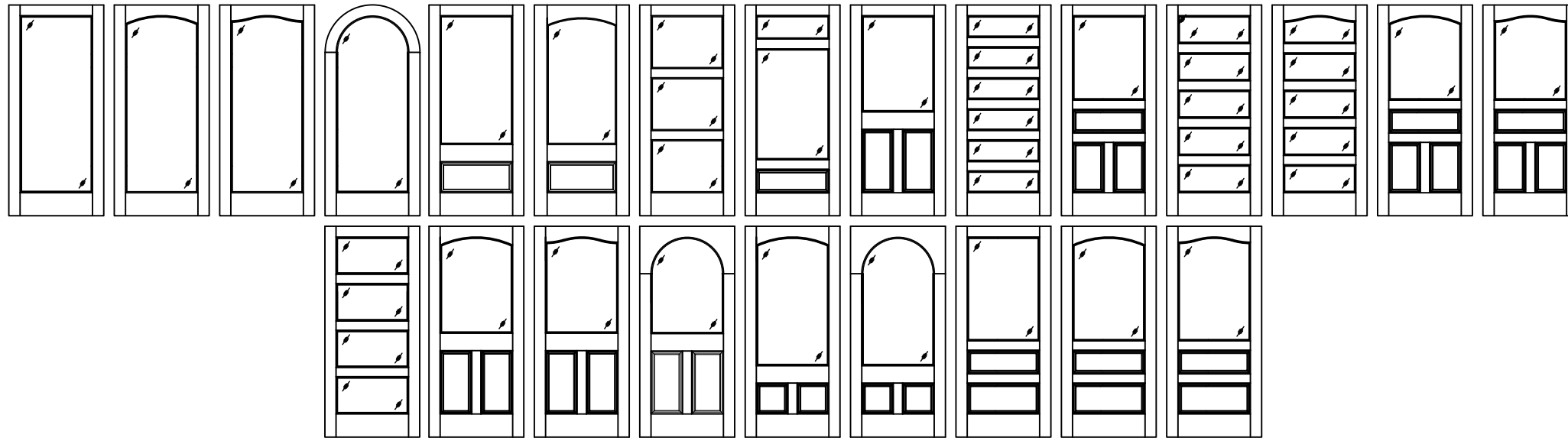
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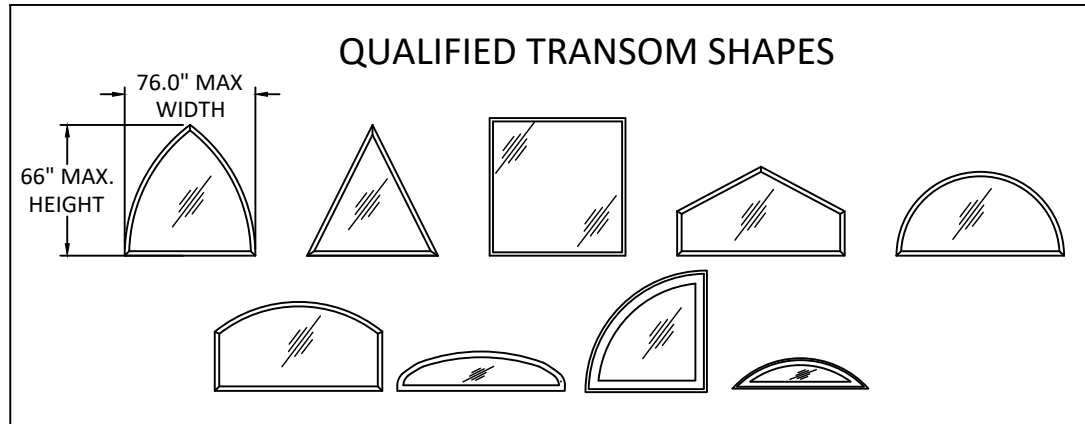
OF 21

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QUALIFIED DOOR SHAPES

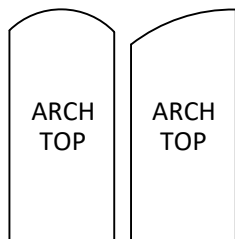
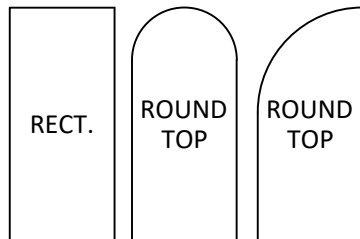


QUALIFIED TRANSOM SHAPES



LIMITATIONS:

- NO TRUE MUNTINS ALLOWED: SURFACE-APPLIED MUTINS MAY BE USED FOR DIVIDED LITES OR LITE MAY BE DIVIDED USING MID-RAILS AND STILES.
- DOOR AND TRANSOMS PANELS MAY BE RECTANGULAR, ROUND OR ARCH TOP.



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(INSWING/OUTSWING)
(HVHZ)(IMPACT)**

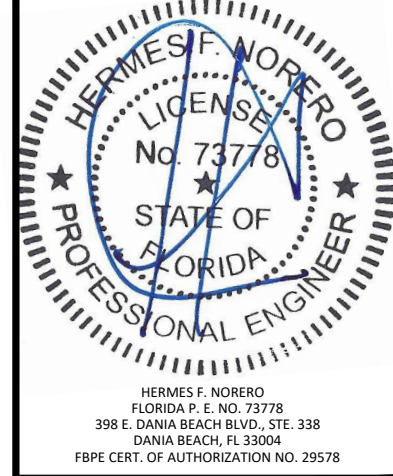
QUALIFIED CONFIGURATIONS

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REMARKS	BY	DATE

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



FL16749

DATE: **03.21.19**

DWG. BY: **YC** | CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **PCI013**

SHEET:

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