

PH38 SLIDING GLASS DOOR - 2 PANEL BIRAIL (HVHZ)(IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X 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.
- 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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - 5.1. X: OPERABLE PANEL
 - 5.2. O: FIXED PANEL
- QUALIFIED CONFIGURATIONS INCLUDE: OX, XO, & XX.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK SHALL BE AS SHOWN IN INSTALLATION DETAILS. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- FOR 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.
- FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- FOR INSTALLATION INTO 2X WOOD BUCK OR WOOD FRAMING, USE (2) #14 HH WOOD SCREWS PER LOCATION.
 - 7.1. MIN. EMBEDMENT = 1-1/2"
 - 7.2. MIN. EDGE DISTANCE = 3/4"
- FOR INSTALLATION INTO METAL STUD FRAMING (STEEL OR ALUMINUM), USE (2) ¼" HWH GR. 5 SELF-DRILLING OR SELF-TAPPING SCREWS PER LOCATION.
 - 8.1. MIN. 3 THREADS PENETRATION BEYOND METAL SUBSTRATE
 - 8.2. MIN. EDGE DISTANCE = 3/4"
- FOR INSTALLATION DIRECT TO CONCRETE OR GROUT FILLED MASONRY OR WHERE A 1X WOOD BUCK IS EMPLOYED AND FASTENED THROUGH TO CONCRETE OR GROUT FILLED MASONRY, USE (2) 1/4" ITW TAPCONS PER LOCATION.
 - 9.1. MIN. EMBEDMENT = 1-3/4"
 - 9.2. MIN. EDGE DISTANCE = 2-1/2" IN GROUT FILLED CMU, 2" IN CONCRETE
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. STEEL - MIN. 16 GA., MIN. Fy=36 KSI
 - C. ALUMINUM - MIN. ⅝", MIN. 6063-T5
 - D. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - E. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
- SEE SHEETS 4 & 5 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.

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5	HORIZONTAL SECTION INSTALLATION DETAILS
6	COMPONENTS
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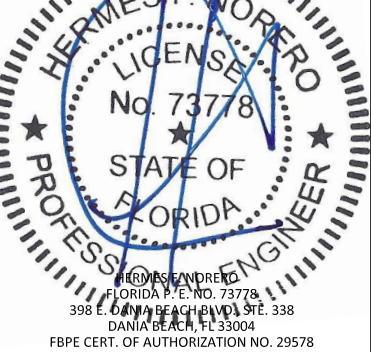
TITLE:
PH 38 - SLIDING DOOR - 2 PANEL
(HVHZ) (IMPACT)
GENERAL NOTES &
INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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FAX: (954)744-4738
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REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2021.08.13 07:18:30 -0400



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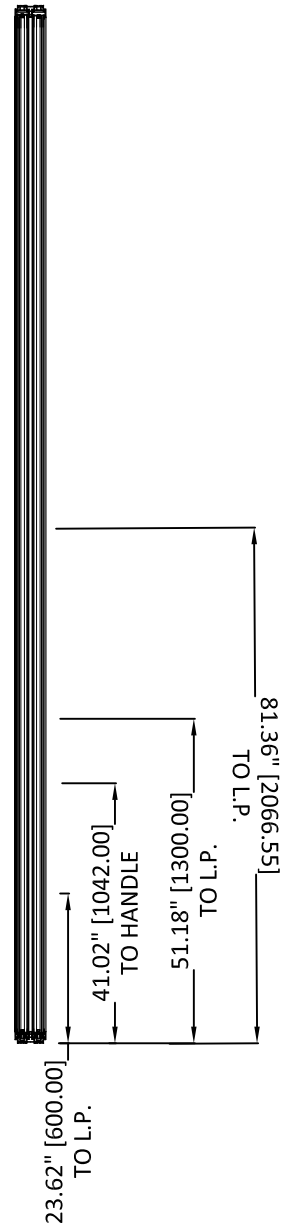
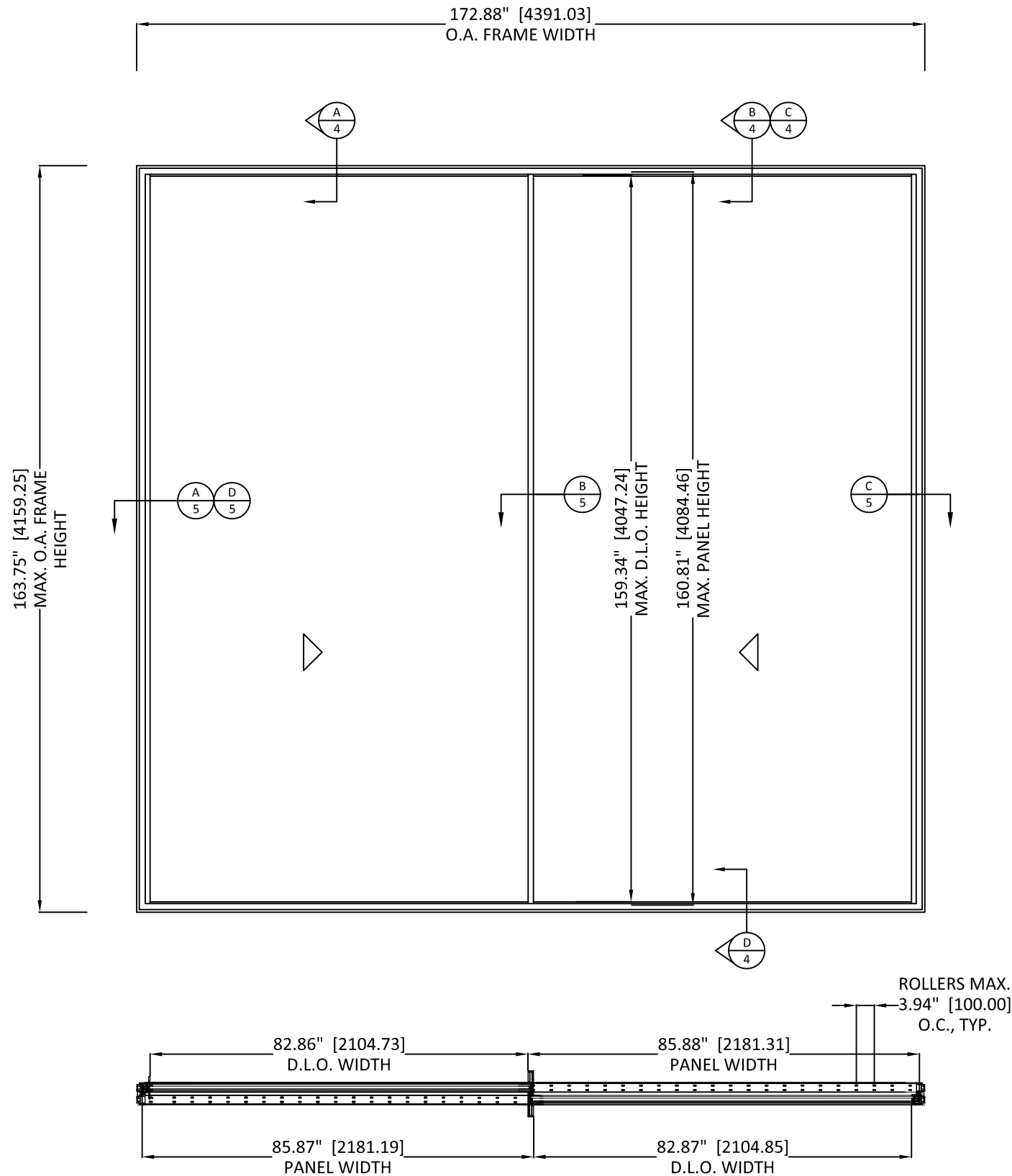
DATE: 02.28.20

DWG. BY: SM CHK. BY: HFN

SCALE: NTS

DWG. #: PAN003

SHEET: 1 OF 7



A
2 **TYP. ELEVATION**
2 PANEL BIRAIL DOOR

ALLOWABLE DESIGN PRESSURE TABLE			
NOM. MODULE SIZE		DESIGN PRESSURE (PSF)	
W	H	POS (+)	NEG (-)
86.44	120	50.0	55.0
90		50.0	55.0
96		50.0	55.0
102		50.0	55.0
108		50.0	55.0
114		50.0	55.0
86.44	126	50.0	55.0
90		50.0	55.0
96		50.0	55.0
102		50.0	55.0
108		50.0	55.0
86.44	132	50.0	55.0
90		50.0	55.0
96		50.0	55.0
102		50.0	55.0
86.44	138	50.0	55.0
90		50.0	55.0
96		50.0	55.0
102		50.0	55.0
86.44	144	50.0	55.0
90		50.0	55.0
96		50.0	55.0
86.44	150	50.0	55.0
90		50.0	55.0
86.44	156	50.0	55.0
90		50.0	55.0
86.44	162	50.0	55.0
86.44		50.0	55.0
86.44	163.75	50.0	55.0

- DESIGN PRESSURE TABLE NOTES
- DESIGN PRESSURES HEREIN HAVE BEEN DETERMINED IN ACCORDANCE WITH FBC SECTION 1709.5.1.
 - DESIGN PRESSURES SHALL BE COMPARED TO WIND LOADS AT THE JOBSITE IN QUESTION. WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BUILDING CODE. WIND LOADS MAY BE MULTIPLIED BY A FACTOR OF 0.6 FOR CONVERSION TO ALLOWABLE STRENGTH DESIGN (ASD).
 - NOMINAL MODULE WITH SHALL BE DETERMINED AS FOLLOWS:
3.1. NOMINAL WIDTH, W = OVERALL FRAME WIDTH /2
3.2. NOMINAL HEIGHT, H = OVERALL FRAME HEIGHT
 - ABBREVIATION, L.P. = LOCK POINTS FOR 'MUSHROOM' HEAD LOCKING DEVICE.
 - REFER TO SHEET 1, GENERAL NOTE 6 FOR QUALIFIED CONFIGURATIONS.

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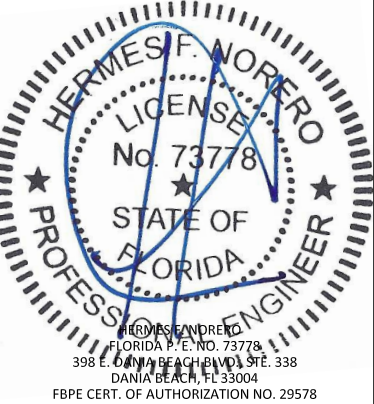
TITLE: PH 38 - SLIDING DOOR - 2 PANEL
(HVHZ) (IMPACT)
TYPICAL ELEVATION & DESIGN
PRESSURE TABLES

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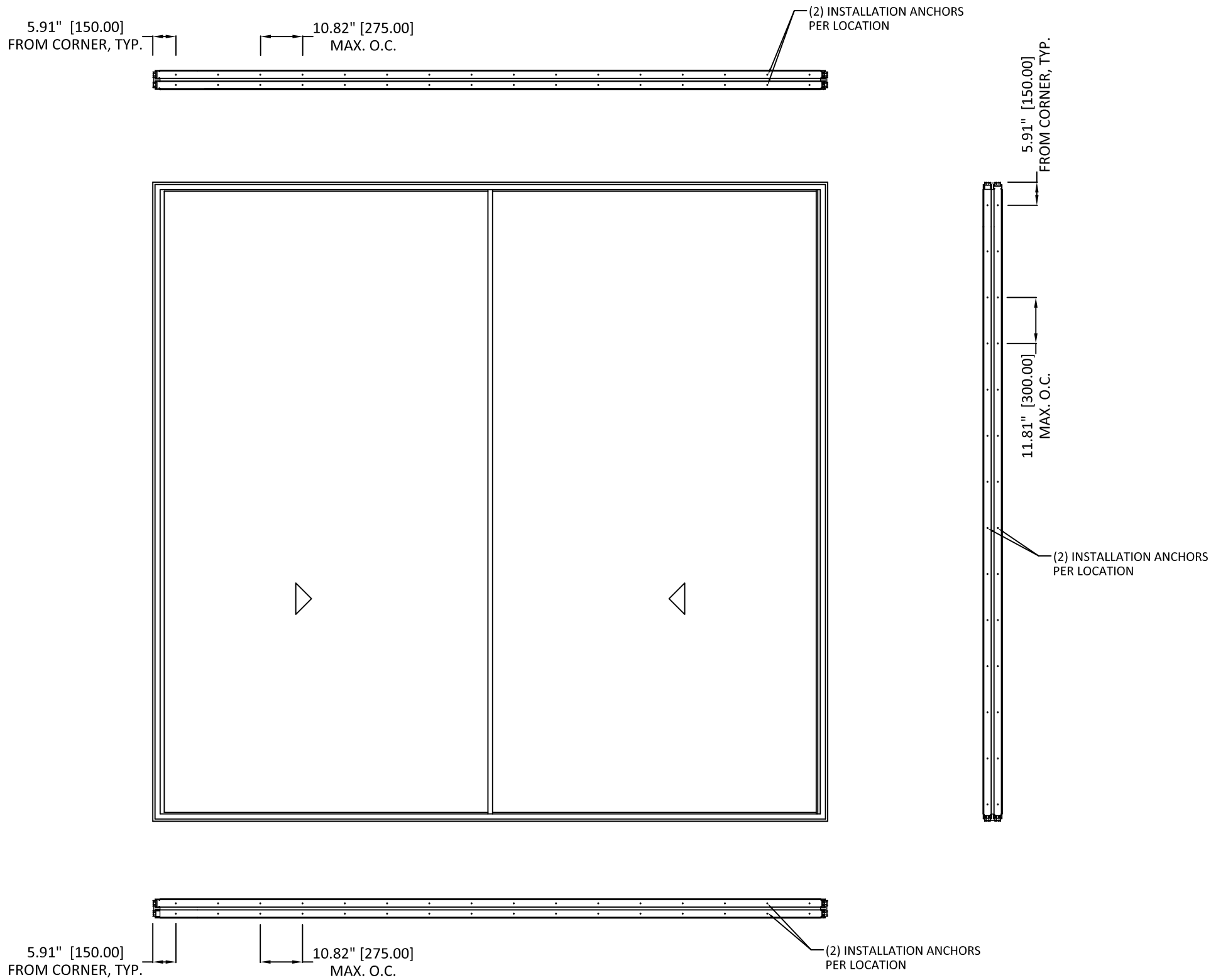
DWG. BY:
SM

CHK. BY:
HFN

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SHEET: OF 7



A
3 **ANCHOR LAYOUT**
2 PANEL BIRAIL DOOR

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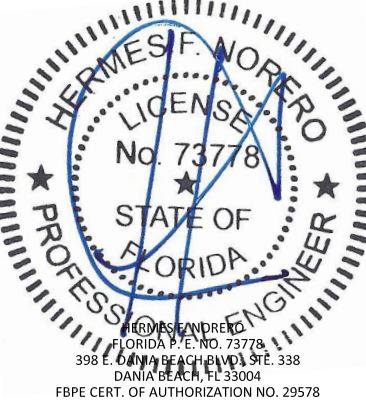
TITLE:
PH 38 - SLIDING DOOR - 2 PANEL
(HVHZ) (IMPACT)
TYPICAL ANCHOR & DRAINAGE
LAYOUT

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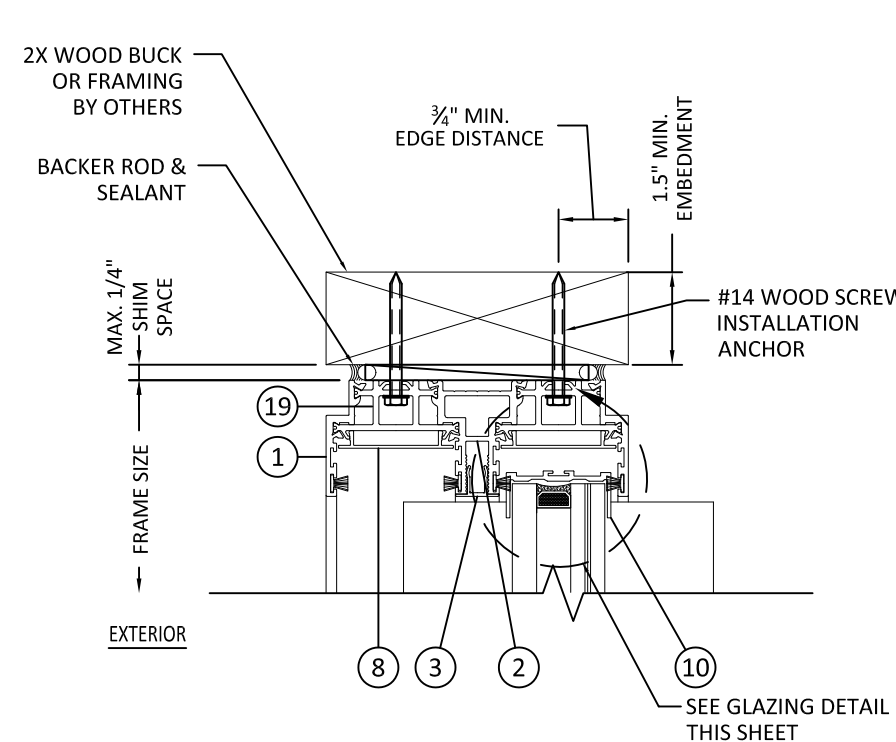
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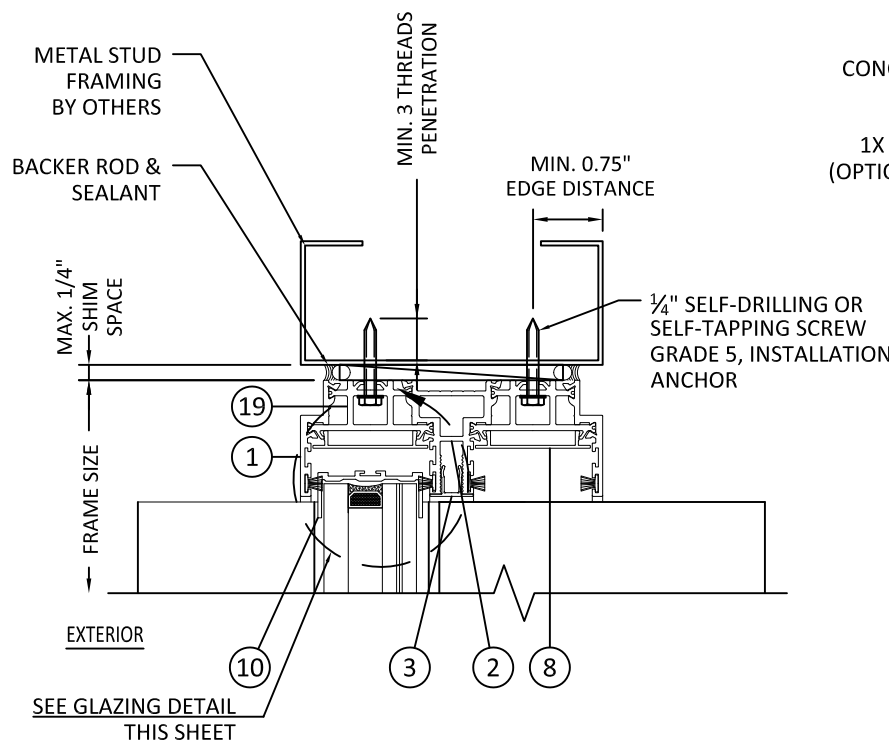
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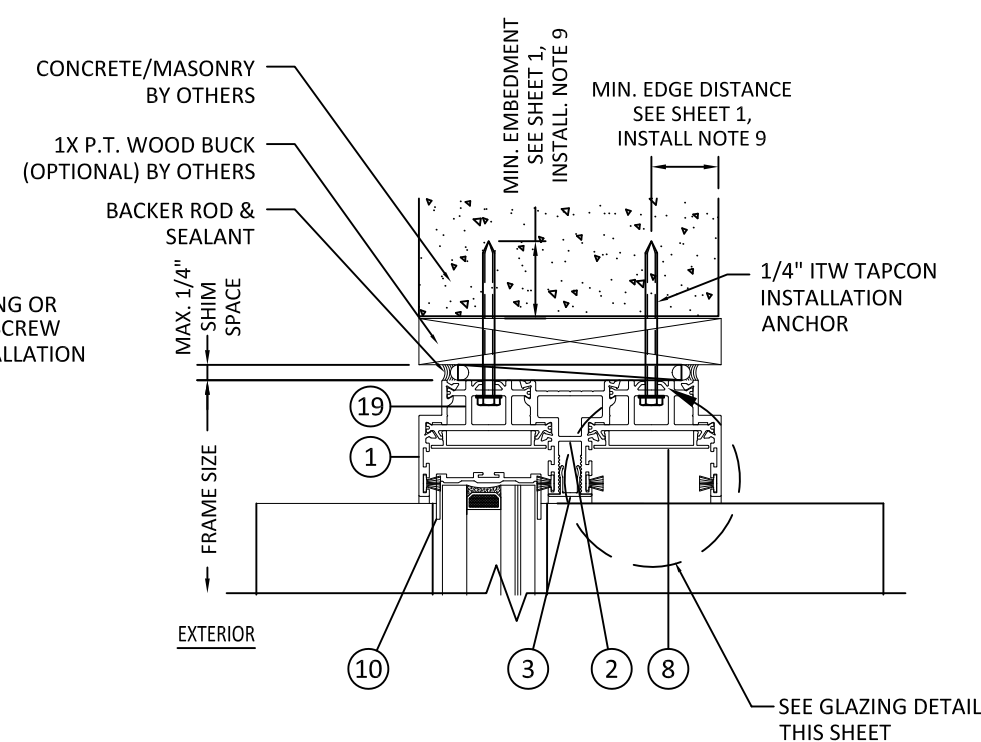
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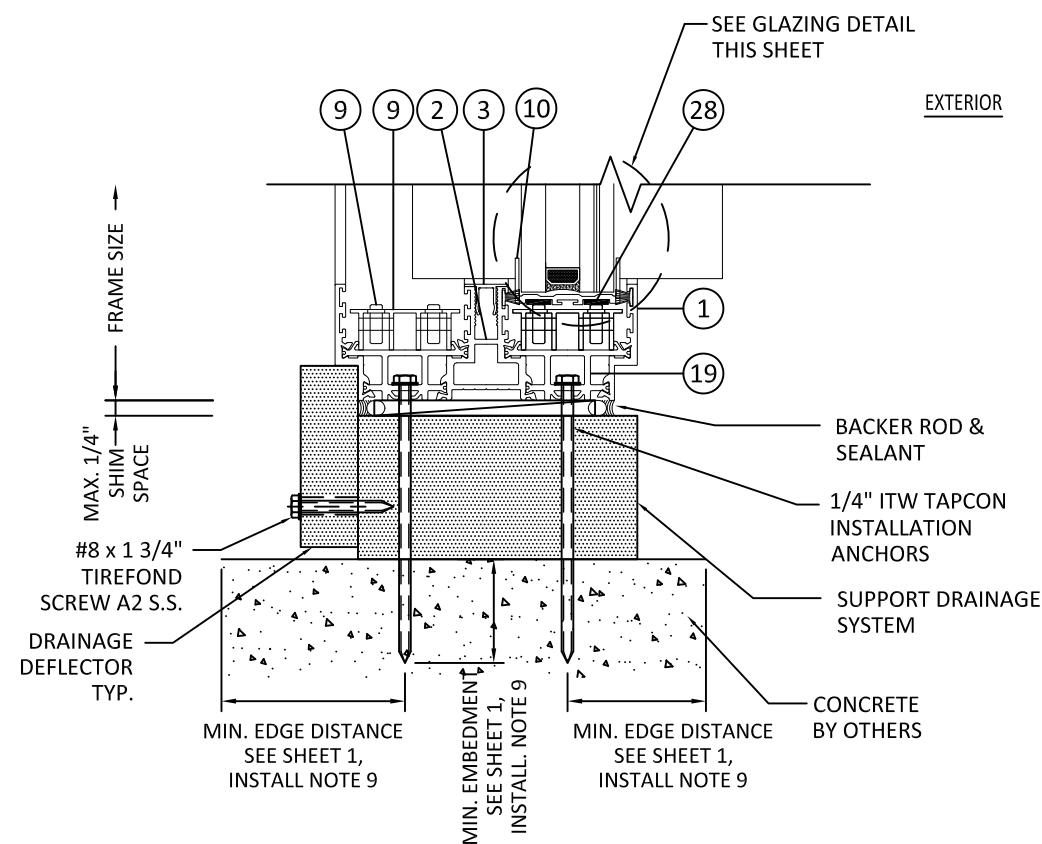
A
4 **VERTICAL SECTION**
BIRAIL OPERABLE HEAD - TYP. INSTALL
2X WOOD FRAMING



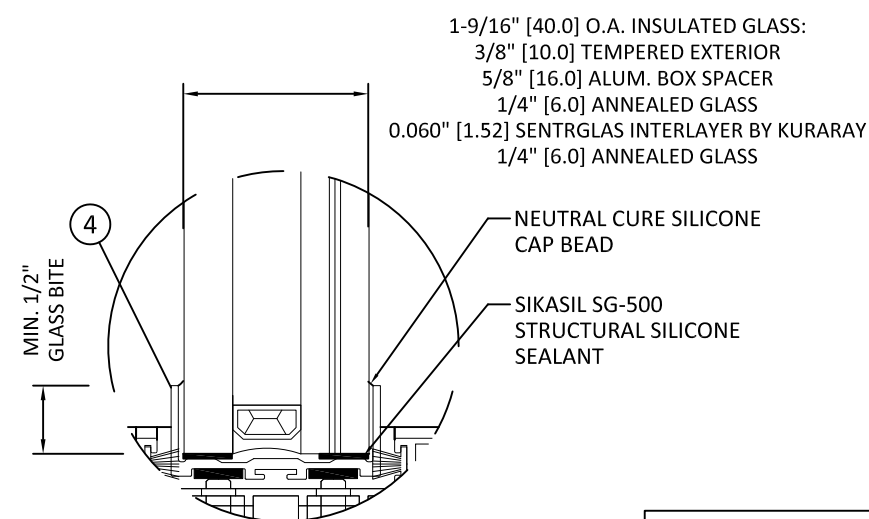
B
4 **VERTICAL SECTION**
BIRAIL OPERABLE HEAD - TYP. INSTALL
METAL STUD



C
4 **VERTICAL SECTION**
BIRAIL OPERABLE HEAD - TYP. INSTALL
1X (OPTIONAL) TO CONCRETE/MASONRY



D
4 **VERTICAL SECTION**
BIRAIL OPERABLE SILL - TYP. INSTALL
STRUCTURAL BLOCKING - CONCRETE SLAB



GLAZING DETAIL

- GLAZING NOTES:
- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
 - 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.
 - SIZES AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SIZE CHARTS ON SHEET 2.

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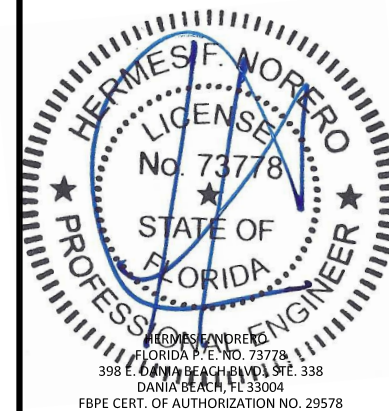
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VERTICAL SECTION INSTALLATION
DETAILS & GLAZING DETAILS

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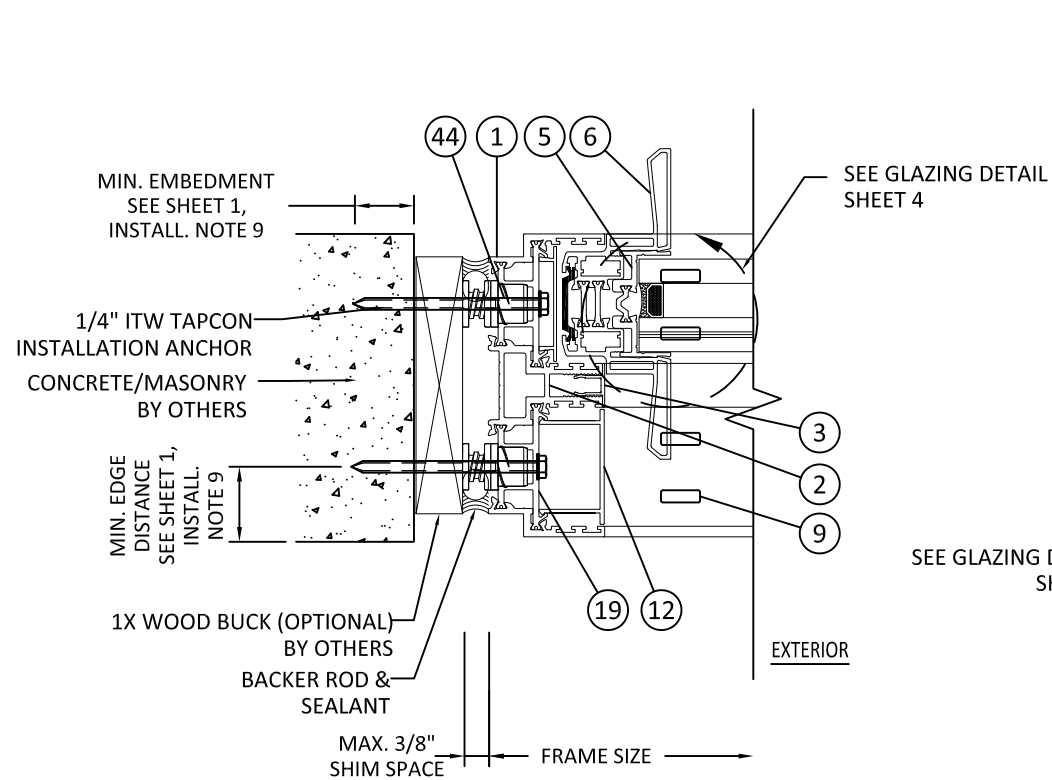
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CHK. BY:
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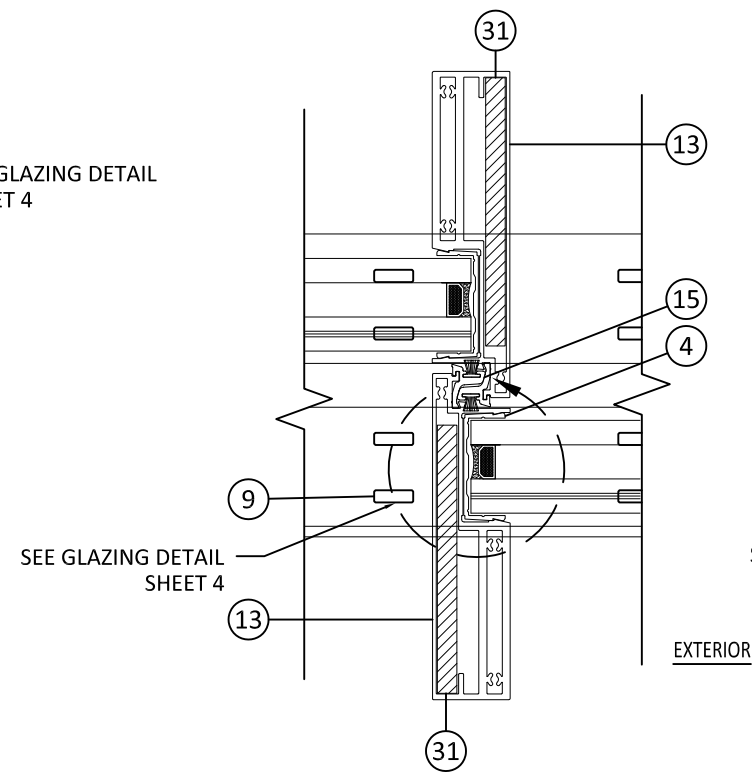
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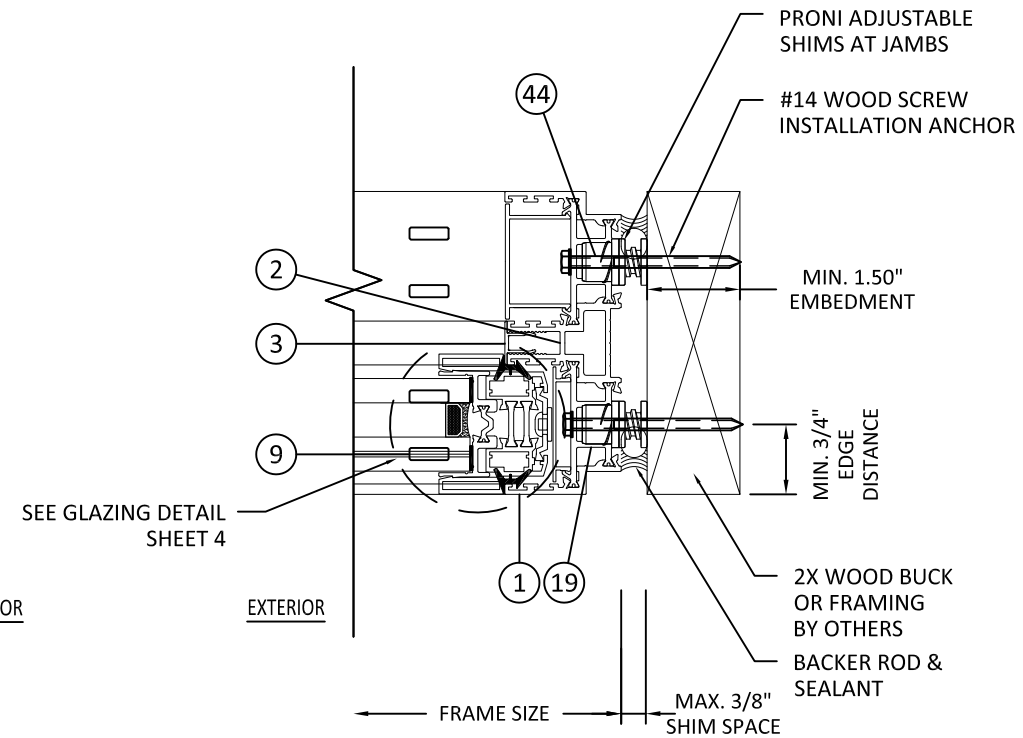
SHEET: **4** OF 7



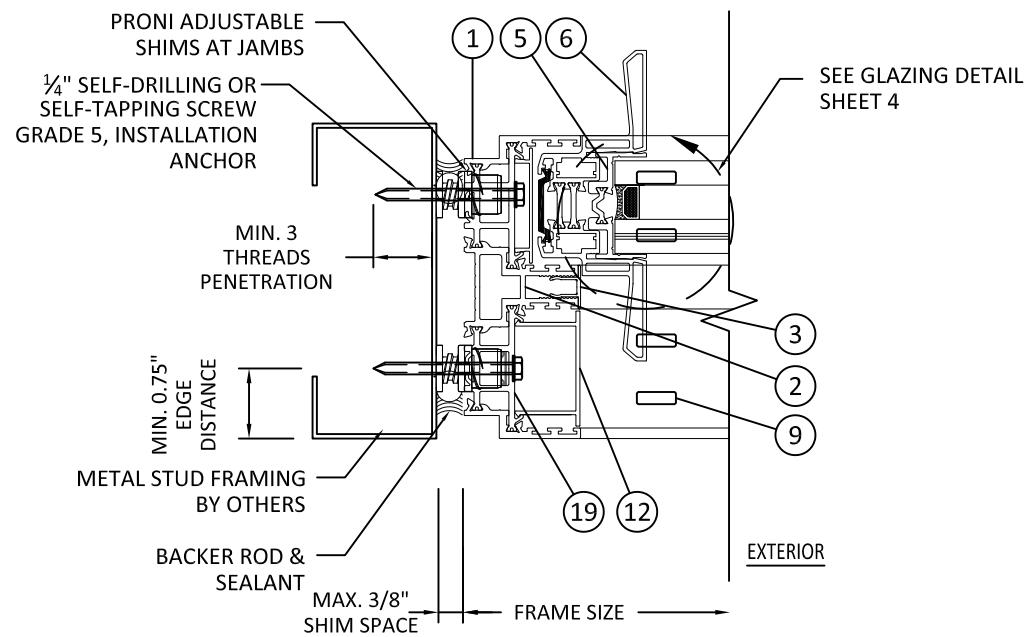
A
5 **HORIZONTAL SECTION**
BIRAIL JAMB - TYPICAL
1X WOOD BUCK TO CONC/MASONRY



B
5 **HORIZONTAL SECTION**
BIRAIL INTERLOCK - TYPICAL



C
5 **HORIZONTAL SECTION**
BIRAIL POCKET JAMB - TYP. INSTALLATION
2X WOOD FRAME



D
5 **HORIZONTAL SECTION**
FIXED JAMB - TYP. INSTALLATION
METAL STUD FRAME

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HORIZONTAL SECTION
INSTALLATION DETAILS

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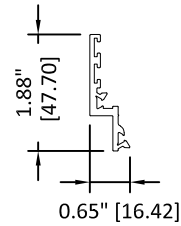
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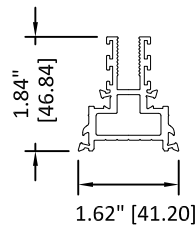
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SHEET: 5 OF 7

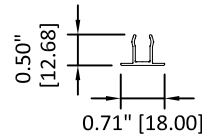
1 EXTERIOR PROFILE FOR FIXED FRAME
6063-T5 ALUMINUM



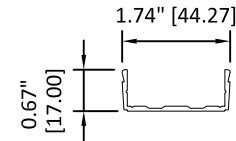
2 INTERIOR PROFILE FOR FIXED FRAME
6063-T5 ALUMINUM



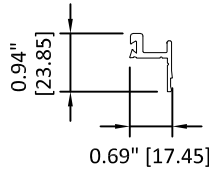
3 INTERIOR PROFILE FOR FIXED CAP
6063-T5 ALUMINUM



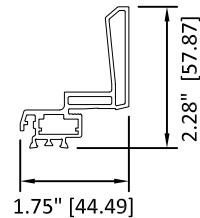
4 GLASS U CHANNEL
6063-T5 ALUMINUM



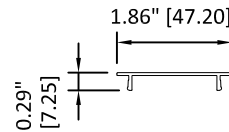
5 GLASS U CHANNEL (HANDLE PROFILE)
6063-T5 ALUMINUM



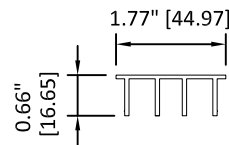
6 HANDLE PROFILE WITH FLAP
6063-T5 ALUMINUM



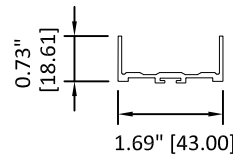
8 LOW FRAME CAP
6063-T5 ALUMINUM



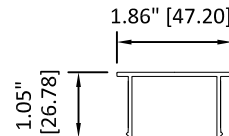
9 BOTTOM TRACK WITH BEARINGS
6063-T5 ALUMINUM



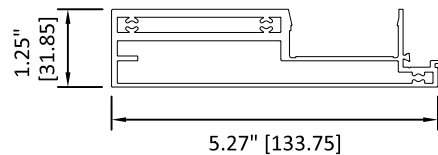
10 GLASS U CHANNEL FOR BRASS
6063-T5 ALUMINUM



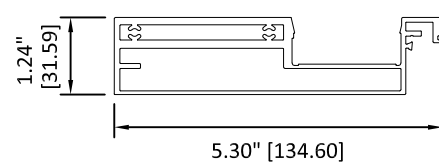
12 HIGH FRAME CAP
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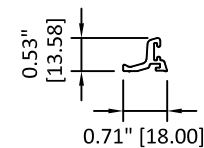
13 PROFILE FOR STL REINFORCED MULLION
6063-T5 ALUMINUM



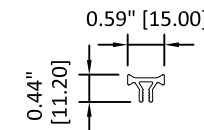
14 PROFILE FOR INVERTED STL REINFORCED MULLION
6063-T5 ALUMINUM



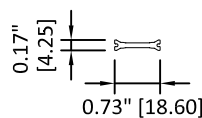
15 POLYAMIDE FOR CENTRAL MULLIONS
PA 6.6 25%



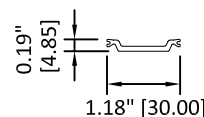
16 POLYAMIDE FOR HANDLE U CHANNEL
PA 6.6 25%



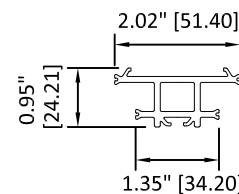
17 POLYAMIDE FOR HANDLE
PA 6.6 25%



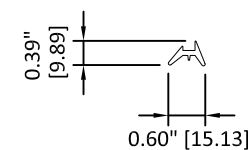
18 POLYAMIDE FOR LOCKING POINT SYSTEM
PA 6.6 25%



19 POLYAMIDE FOR FRAME
PA 6.6 25%



20 GASKET FOR FIXED PROFILE.
EPDM



TITLE: PH 38 - SLIDING DOOR - 2 PANEL (HVHZ) (IMPACT) COMPONENTS	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	
		

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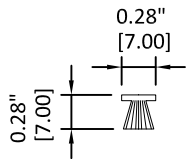


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SCALE: NTS	
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SHEET:	OF 7

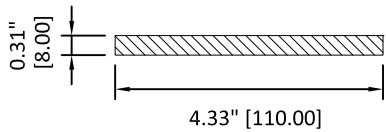
21

7x7mm PILE WEATHER STRIPS
POLYESTER MOHAIR



31

STAINLESS STEEL REINFORCEMENT 110x8
SS AISI 304



BILL OF MATERIALS			
ITEM#	REFERENCE	DESCRIPTION	MATERIAL
1	101001	EXTERIOR PROFILE FOR FIXED FRAME	6063-T5 ALUMINUM
2	101211	INTERIOR PROFILE FOR FIXED FRAME	6063-T5 ALUMINUM
3	101171	INTERIOR PROFILE FOR FIXED CAP	6063-T5 ALUMINUM
4	101005	GLASS U CHANNEL	6063-T5 ALUMINUM
5	101008	GLASS U CHANNEL HANDLE PROFILE	6063-T5 ALUMINUM
6	101212	HANDLE PROFILE WITH FLAP	6063-T5 ALUMINUM
7	-	-	-
8	101015	LOW FRAME CAP	6063-T5 ALUMINUM
9	101022	BOTTOM TRACK WITH BEARINGS	6063-T5 ALUMINUM
10	101026	GLASS U CHANNEL FOR BRASS	6063-T5 ALUMINUM
11	-	-	-
12	101176	HIGH FRAME CAP	6063-T5 ALUMINUM
13	101189	PROFILE FOR STEEL REINFORCED MULLION 110 x 8	6063-T5 ALUMINUM
14	101190	PROFILE FOR INVERTED STEEL REINFORCED MULLION 110 x 8	6063-T5 ALUMINUM
15	107004	POLYAMIDE FOR CENTRAL MULLIONS	PA 6.6 25% GLASS REINFORCED
16	107037	POLYAMIDE FOR HANDLE U CHANNEL	PA 6.6 25% GLASS REINFORCED
17	107005	POLYAMIDE FOR HANDLE	PA 6.6 25% GLASS REINFORCED
18	107029	POLYAMIDE FOR LOCKING POINT SYSTEM	PA 6.6 25% GLASS REINFORCED
19	107012	POLYAMIDE FOR FRAME	PA 6.6 25% GLASS REINFORCED
20	502001	GASKET FOR FIXED PROFILE	EPDM
21	501001 (REF: TECSEAL FIN CS 7x7)	7 x 7mm PILE WEATHER STRIPS	POLYESTER MOHAIR

BILL OF MATERIALS			
ITEM#	REFERENCE	DESCRIPTION	MATERIAL
22	202001. 040010301001	ALIGNMENT SET SQUARE 25,2 x 25,5 x 7, (1)	STAINLESS STEEL
23	202001. 010020106001	QUICK FASTENING SET-SQUARE MONTICELLI 460.8	STAINLESS STEEL
24	-	-	-
25	208003	TOP AND BOTTOM COVER - HANDLE	NYLON
26	-	INTERIOR TOP COVER - CENTRAL MULLION	NYLON
27	-	SUPERIOR TOP COVER - CENTRAL MULLION	NYLON
28	ASBARRALATAO	BRASS BAR WITH 10 x 2mm SECTION	BRASS
29	201066	ONE POINT LATCH FOR INVERTED CENTRAL MULLION (DEVELOPED AND MANUFACTURED BY JOFEBAR)	6060-T5 ALUMINUM
30	201229	MULTI POINT LOCK FOR HANDLE (DEVELOPED AND MANUFACTURED BY JOFEBAR)	-
31	-	STAINLESS STEEL REINFORCEMENT 110 x 8	SS AISI 304
32	-	6 x 50mm WOOD SCREW A2 SS	STEEL
33	-	6 x 80mm WOOD SCREW A2 SS	STEEL
34	-	4 x 45mm TIREFOND SCREW A2 SS	STEEL
35	-	M7 WASHER DIN 125-IA	STEEL
36	-	PRONI DIS. RAPID-BLOCK RB601/RB 603	STEEL
37	ACPPERN ORECART	PIN	STAINLESS STEEL
38	ACROLAM	BEARINGS (\$ 625 2RS)	STAINLESS STEEL
39	ACPANILHAS	SPACING WASHER 2,8mm THICKNESS	BRASS
40	-	DOUBLE INSULATION UNIT: 10mm TOUGHENED + 14mm ARGON 90% + 12 ANNEALED LAMINATED (1.5mm SENTRYGLAS INTERLAYER)	GLASS
41	-	IGU SPACER	3003 - H14
42	-	SETTING BLOCK	NEOPRENE
43	-	LEVELING SHIM	NEOPRENE
44	-	PRONI DIST. RAPID BLOCK RB601/RB603	STEEL



panoramAH! AMERICA
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TITLE: PH 38 - SLIDING DOOR - 2 PANEL
(HVHZ) (IMPACT)
B.O.M. & COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
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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.



FL21091

DATE: 02.28.20

DWG. BY: SM CHK. BY: HFN

SCALE: NTS

DWG. #: PAN003

SHEET: 7 OF 7