

PH38 SLIDING GLASS DOOR - MULTI-PANEL
LARGE MISSILE IMPACT APPROVED, MISSILE LEVEL D, WIND ZONE 4
FOR USE INSIDE OR OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E283-04(12)
 - ASTM E331-00(09)
 - ASTM E547-00
 - ASTM E330-14
- 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 FOR WIND ZONE 4 OR LESS OR WITHIN THE HVHZ.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
- QUALIFIED CONFIGURATIONS INCLUDE:
 - 2-PANEL - OX, XO, XX
 - 3-PANEL - OOX, XOO, XOX, XXO, OXX, XXX
 - 4-PANEL - OXXO, OXXX, XXO, XXOO, XOOX, OXX, XXXX
 - 5-PANEL - XXOOO, OOOXX, XXXXX, OXXXX, XXXXO
 - 6-PANEL - OXXXXO, XXXXXX, XXXOOO, OOOXXX, OOXOOO, XOOOOX, XXXXXO, OXXXXX, XXXXXX
 - 7-PANEL - XXXXXX, OXXXXXX, XXXXXO, OXXXXXO

NOTE: POCKET PANELS CAN BE ADDED TO ALL CONFIGURATIONS AS LONG AS TOTAL AMOUNT PANEL IS NOT EXCEED

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.
- 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.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
- SEE SHEETS 3 & 5 FOR DETAILS ON THE INSTALLATION REQUIREMENTS & ANCHOR LOCATIONS.
- SEE SHEET 9 FOR ANCHOR SCHEDULE.

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Portugal 4455-482

TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
GENERAL NOTES &
INSTALLATION NOTES

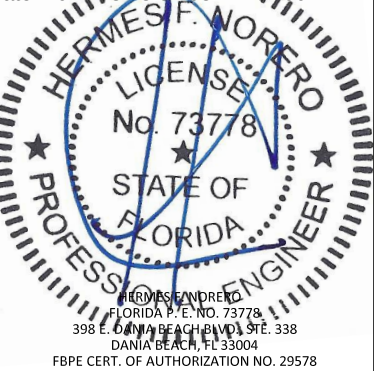
PREPARED BY:
BUILDING DROPS, INC.
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FBC 2020 UPDATE	LL	07/21

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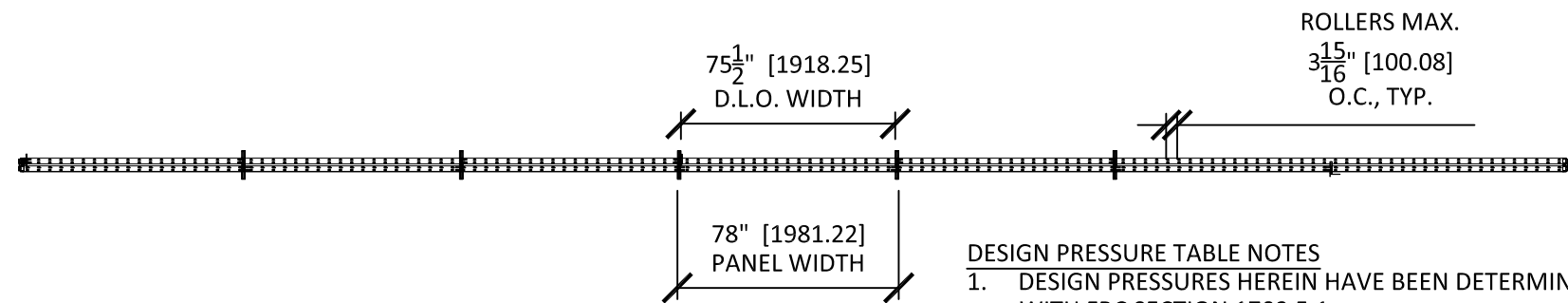
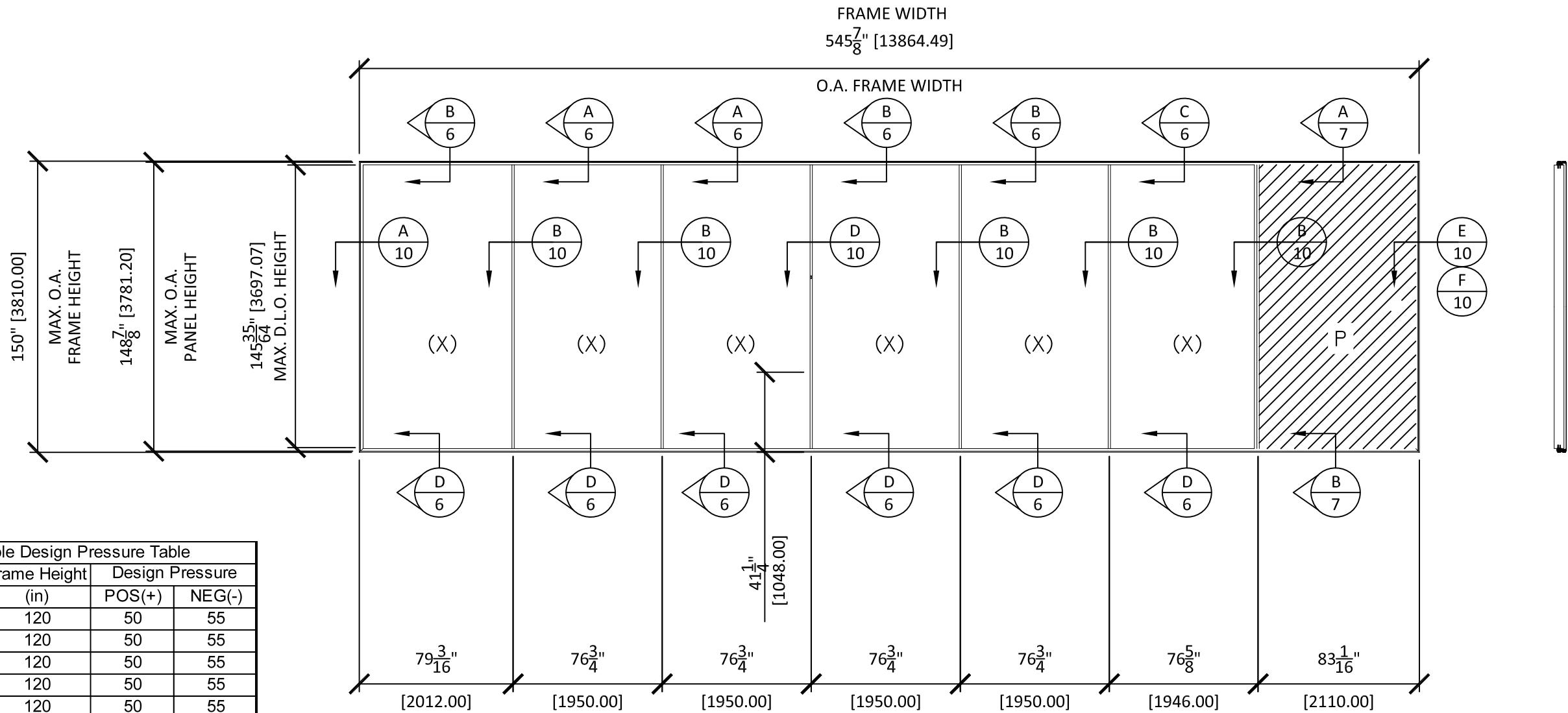
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Reason: I am approving this document
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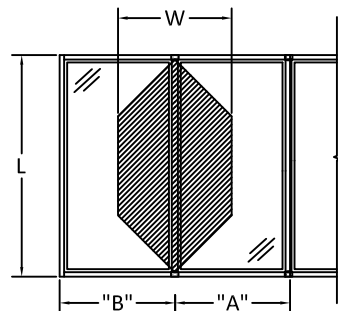
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DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: PAN002	
SHEET: 1 OF 13	

Allowable Design Pressure Table			
Frame Width	Frame Height	Design Pressure	
(in)	(in)	POS(+)	NEG(-)
72	120	50	55
76	120	50	55
80	120	50	55
84	120	50	55
88	120	50	55
92	120	50	55
96	120	50	55
72	126	50	55
76	126	50	55
80	126	50	55
84	126	50	55
88	126	50	55
92	126	50	55
72	132	50	55
76	132	50	55
80	132	50	55
84	132	50	55
88	132	50	55
72	138	50	55
76	138	50	55
80	138	50	55
84	138	50	55
72	144	50	55
76	144	50	55
80	144	50	55
72	150	50	55
76	150	50	55
80	150	50	55



A
2 **TYP. ELEVATION**
BIRAIL DOOR

$$W = \frac{(A + B)}{2}$$



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 CURRENT 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 / # OF PANELS
3.2. NOMINAL HEIGHT, H = OVERALL FRAME HEIGHT
- REFER TO SHEET 1, GENERAL NOTE 6 FOR QUALIFIED CONFIGURATIONS.
- TESTED FRAME WITHD MAY BE INCREASED UP TO 150%.

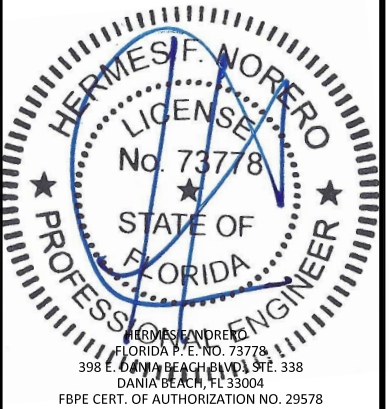
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TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
TYPICAL ELEVATION & DESIGN
PRESSURE TABLES (BIRAIL DOOR)

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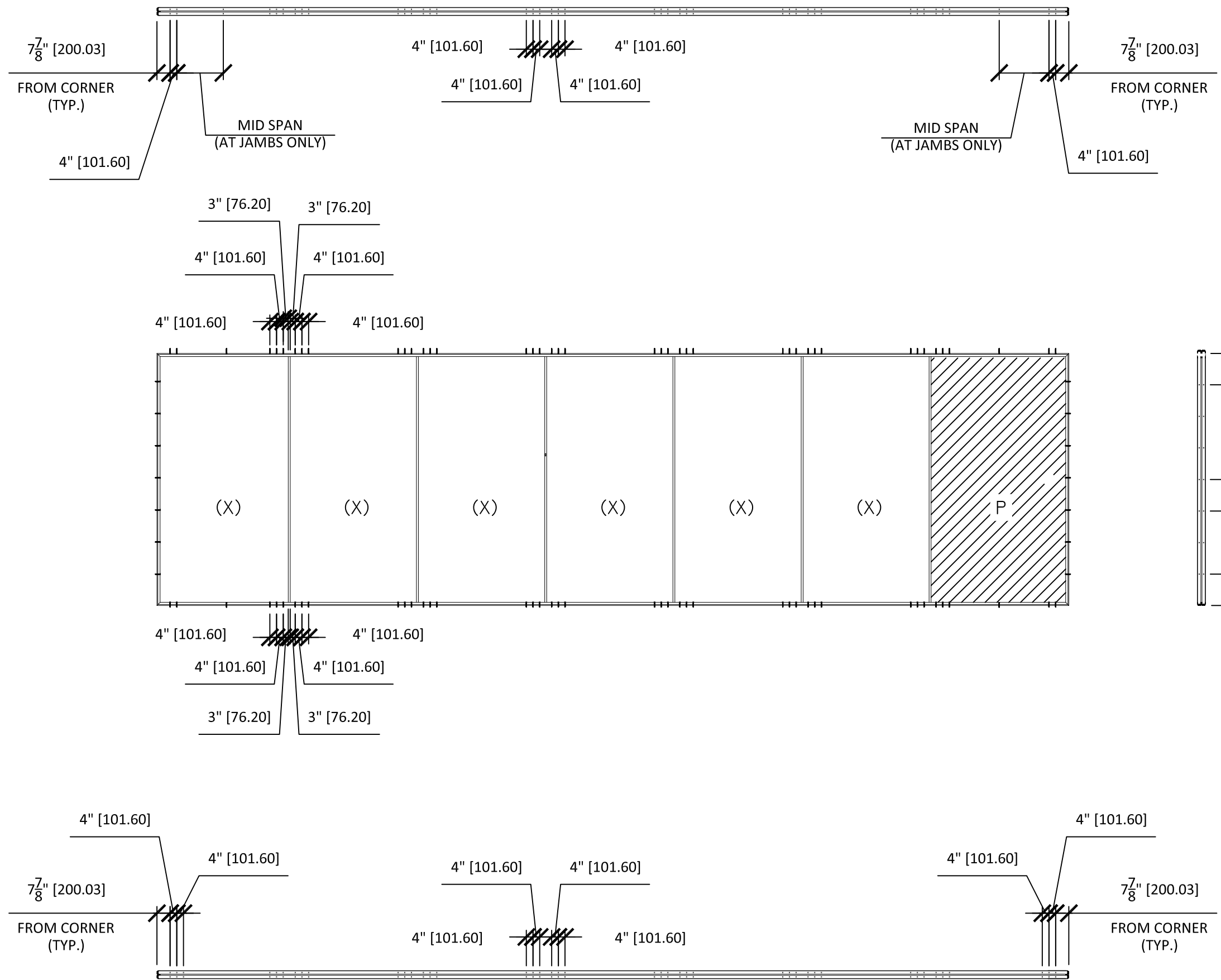
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A
3 **ANCHOR LAYOUT**
BIRAIL DOOR



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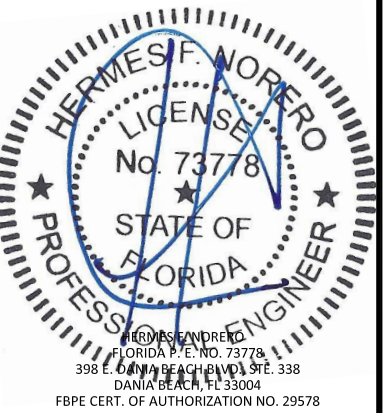
TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
TYPICAL ANCHOR & DRAINAGE
LAYOUT (BIRAIL DOOR)

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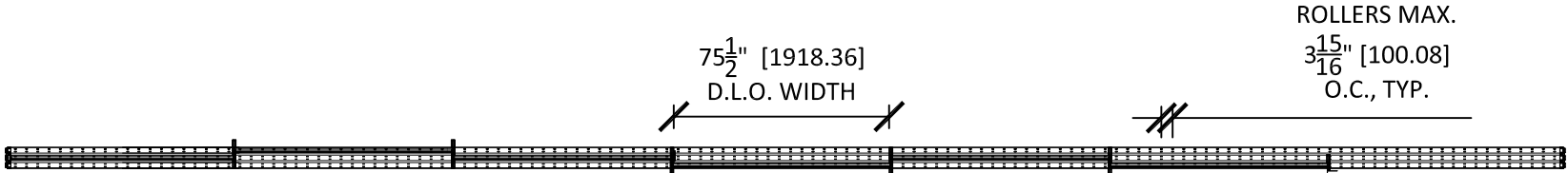
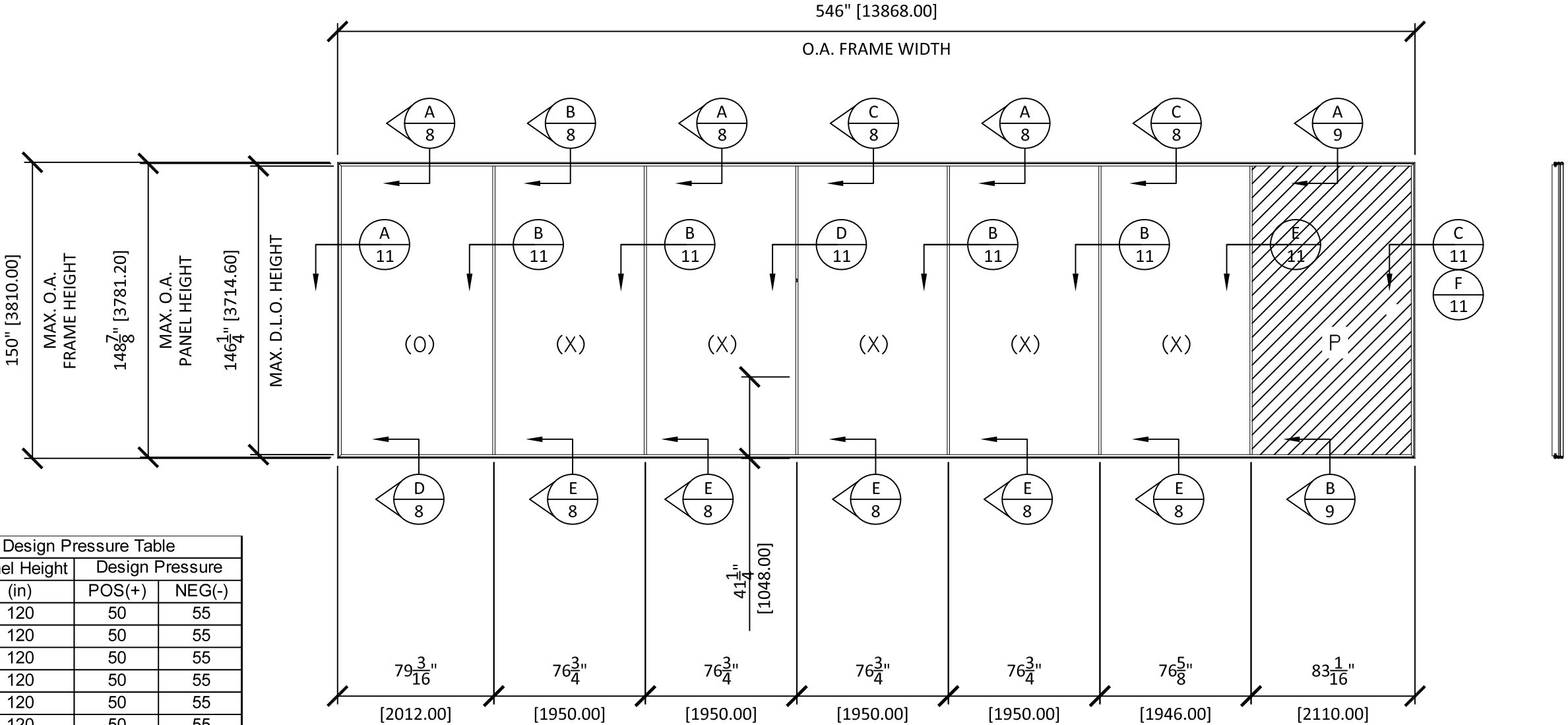
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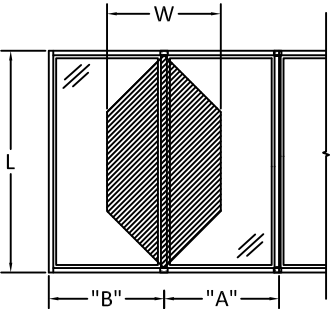
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DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PAN002
SHEET:	OF 13

Allowable Design Pressure Table			
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(in)	(in)	POS(+)	NEG(-)
72	120	50	55
76	120	50	55
80	120	50	55
84	120	50	55
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84	126	50	55
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76	132	50	55
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76	138	50	55
80	138	50	55
84	138	50	55
72	144	50	55
76	144	50	55
80	144	50	55
72	150	50	55
76	150	50	55
80	150	50	55



A
4 **TYP. ELEVATION**
TRIRAIL DOOR

$$W = \frac{(A + B)}{2}$$



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TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
TYPICAL ELEVATION & DESIGN
PRESSURE TABLES (TRIRAIL DOOR)

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PROFESSIONAL ENGINEER
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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

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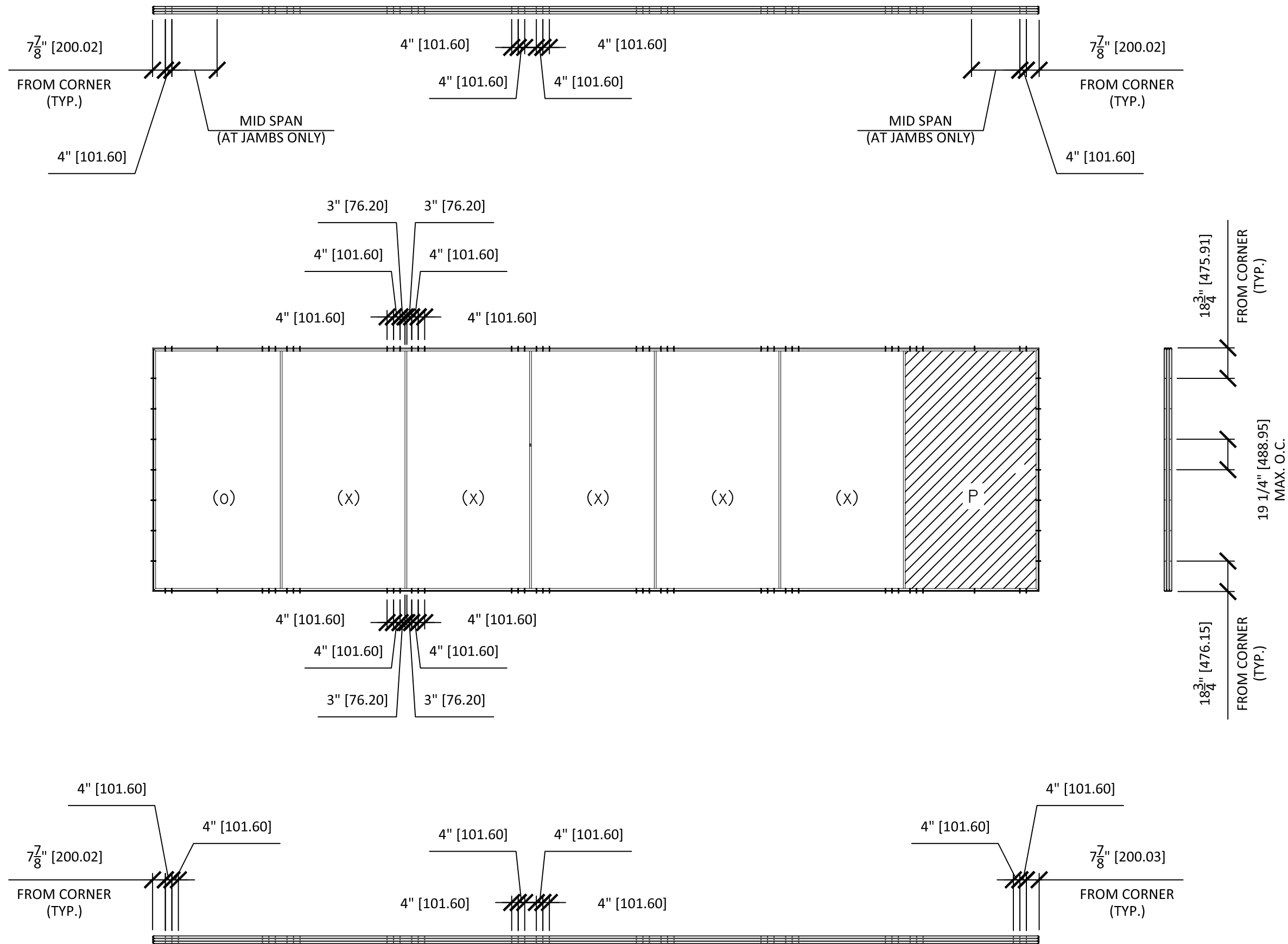
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DWG. BY: RV	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **PAN002**

SHEET: **4** OF 13



A
5

ANCHOR LAYOUT

TRIRAIL DOOR

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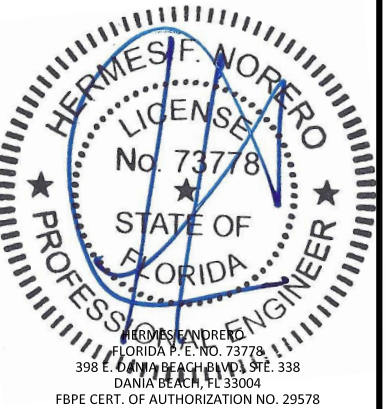
TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
TYPICAL ANCHOR &
DRAINAGE LAYOUT
(TRIRAIL DOOR)

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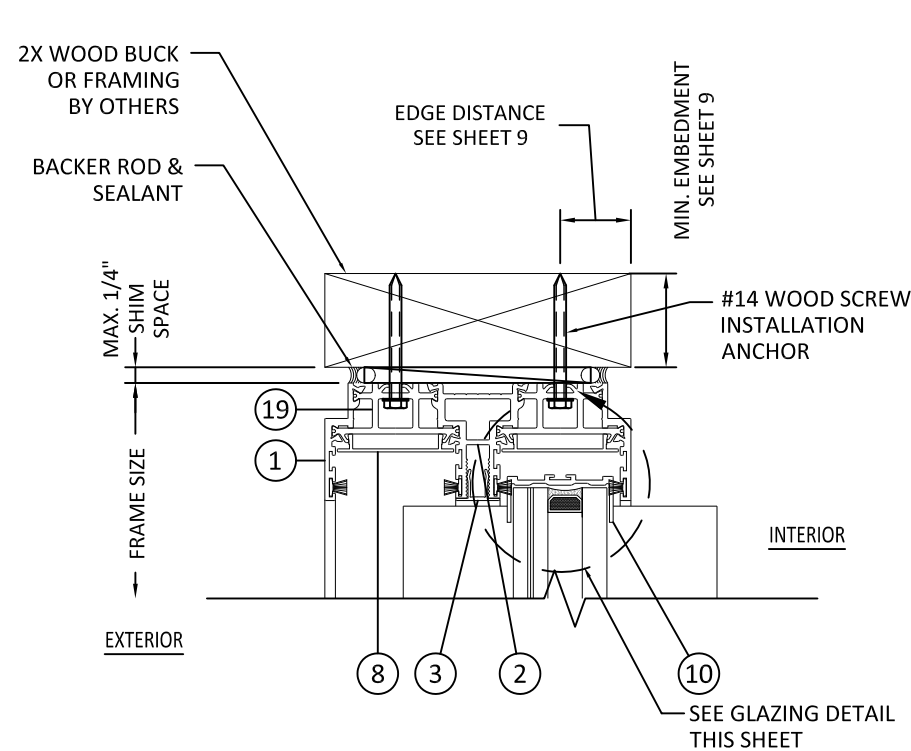
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RV

CHK. BY:
HFN

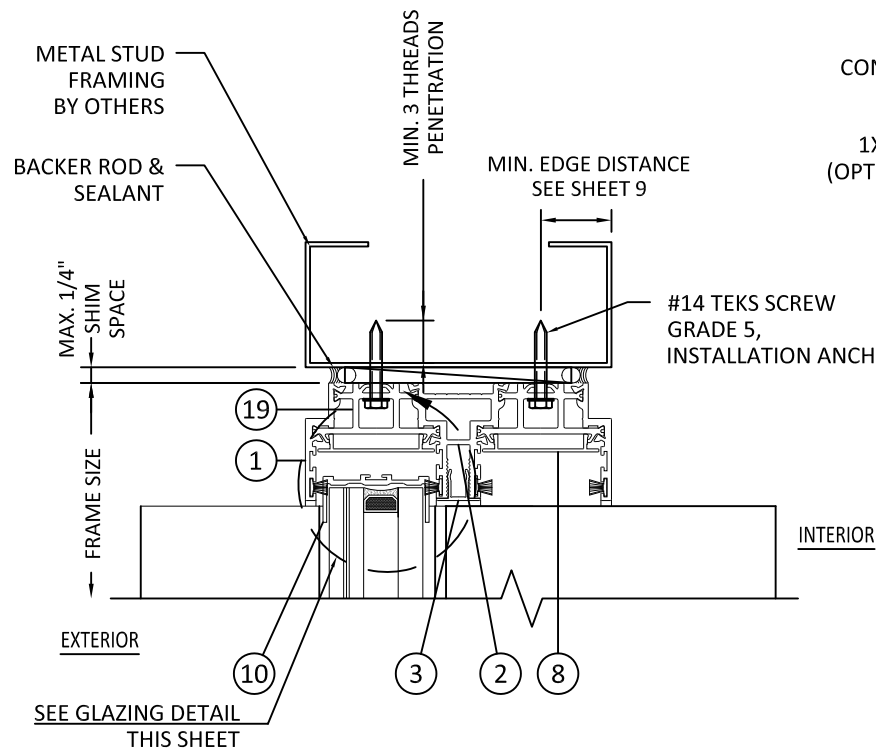
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DWG. #: **PAN002**

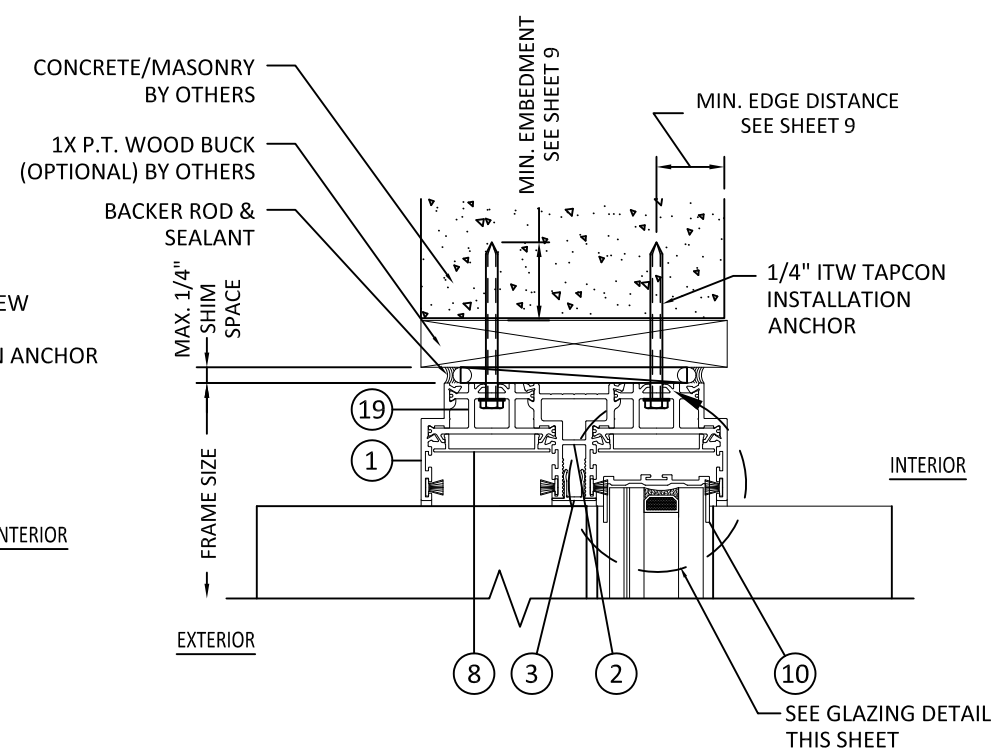
SHEET: **5** OF 13



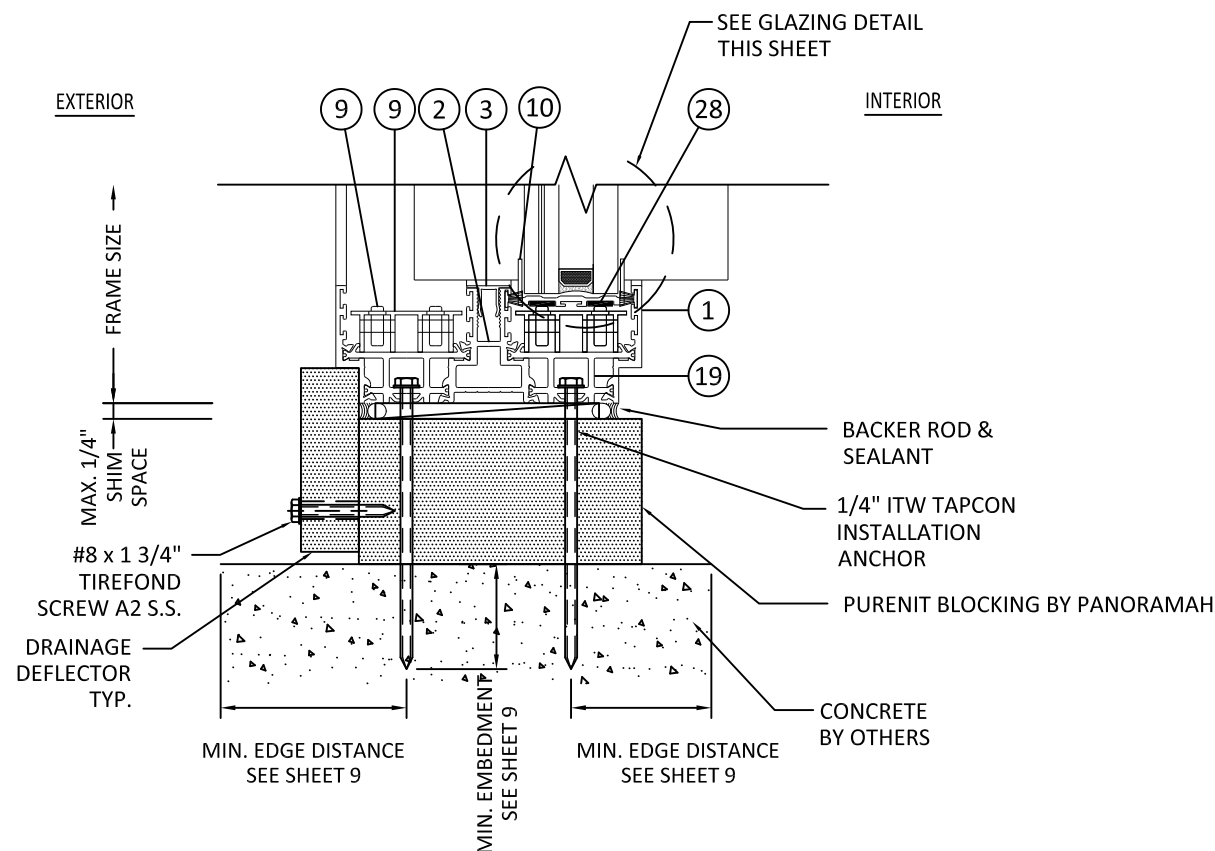
A
6 **VERTICAL SECTION**
BIRAIL OPERABLE HEAD - TYP. INSTALL
2X WOOD FRAMING



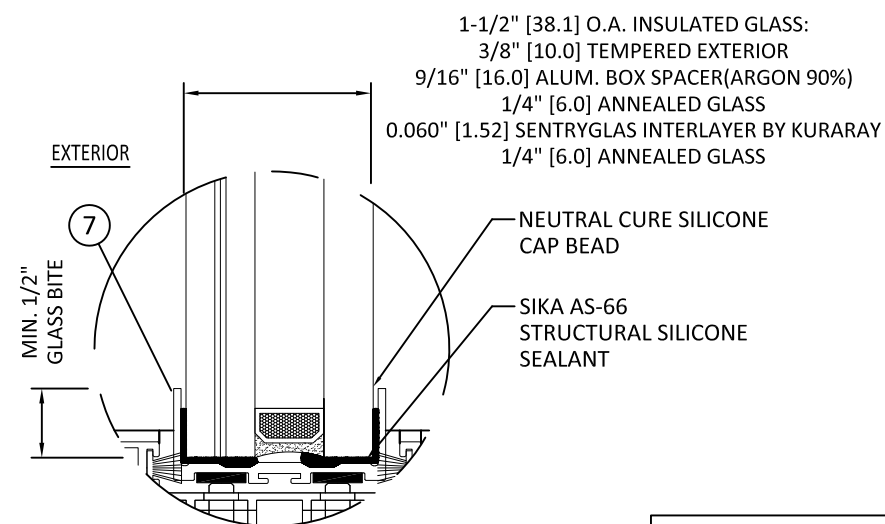
B
6 **VERTICAL SECTION**
BIRAIL OPERABLE HEAD - TYP. INSTALL
METAL STUD



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



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



GLAZING DETAIL

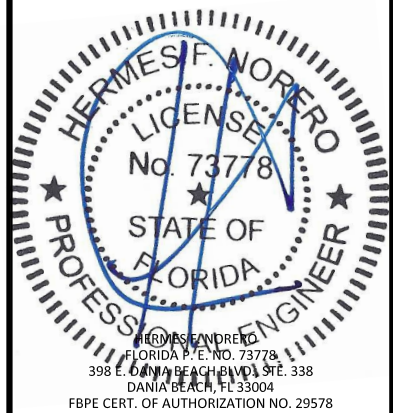
- GLAZING NOTES:**
- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - SIZES AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SIZE CHARTS ON SHEET 2.

TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
VERTICAL SECTIONS INSTALLATION
DETAILS & GLAZING DETAIL
(BIRAIL DOOR)

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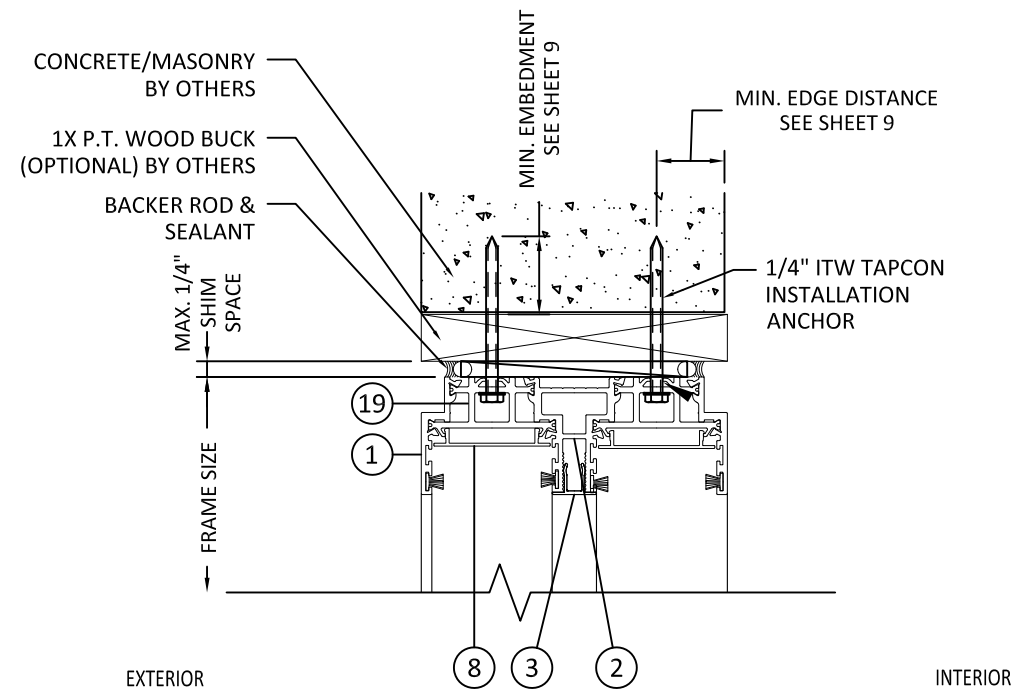
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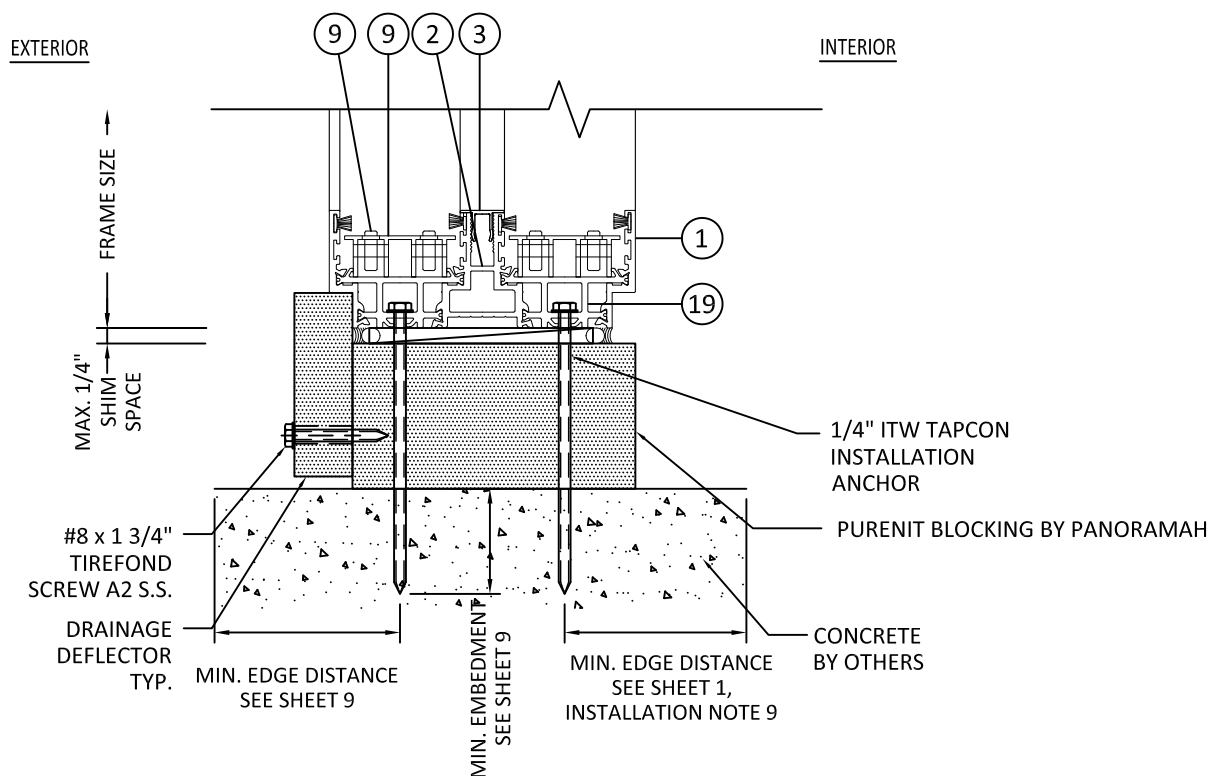


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DATE: 10.14.19	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: PAN002	
SHEET:	OF 13



A
7 **VERTICAL SECTION**
BIRAIL POCKET HEAD - TYP. INSTALL
1X (OPTIONAL) TO CONCRETE/MASONRY



B
7 **VERTICAL SECTION**
FIXED SILL - TYP. INSTALL
STRUCTURAL BLOCKING - CONCRETE SLAB

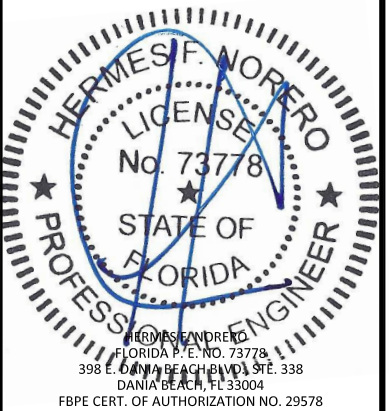
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R Dom Marcus da Cruz,
1240 Perafita,
Portugal 4455-482

TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
VERTICAL SECTIONS
INSTALLATION DETAILS
(BIRAIL DOOR)

PREPARED BY:
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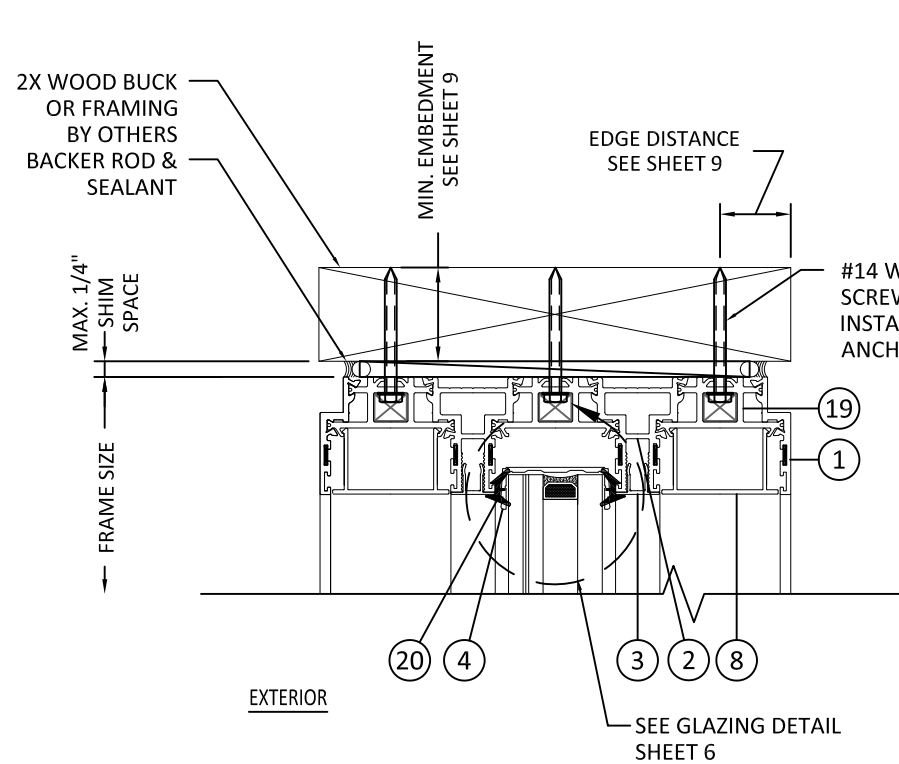
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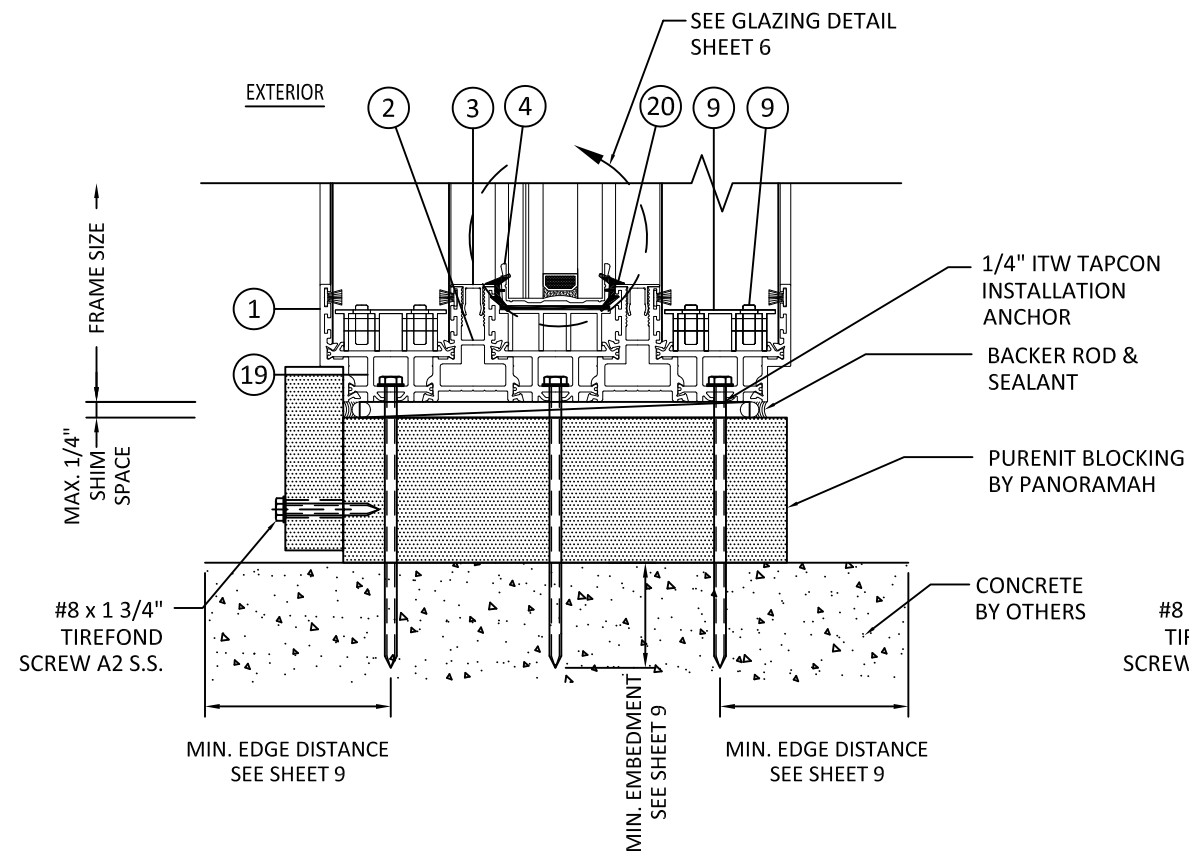


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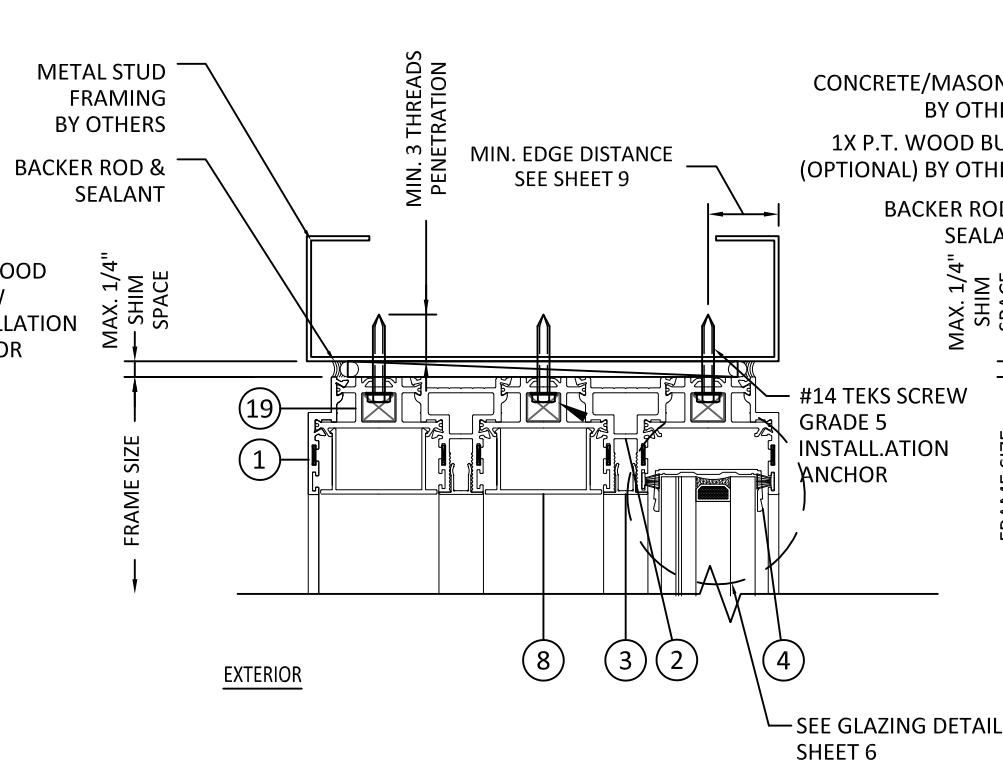
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SHEET: OF 13	



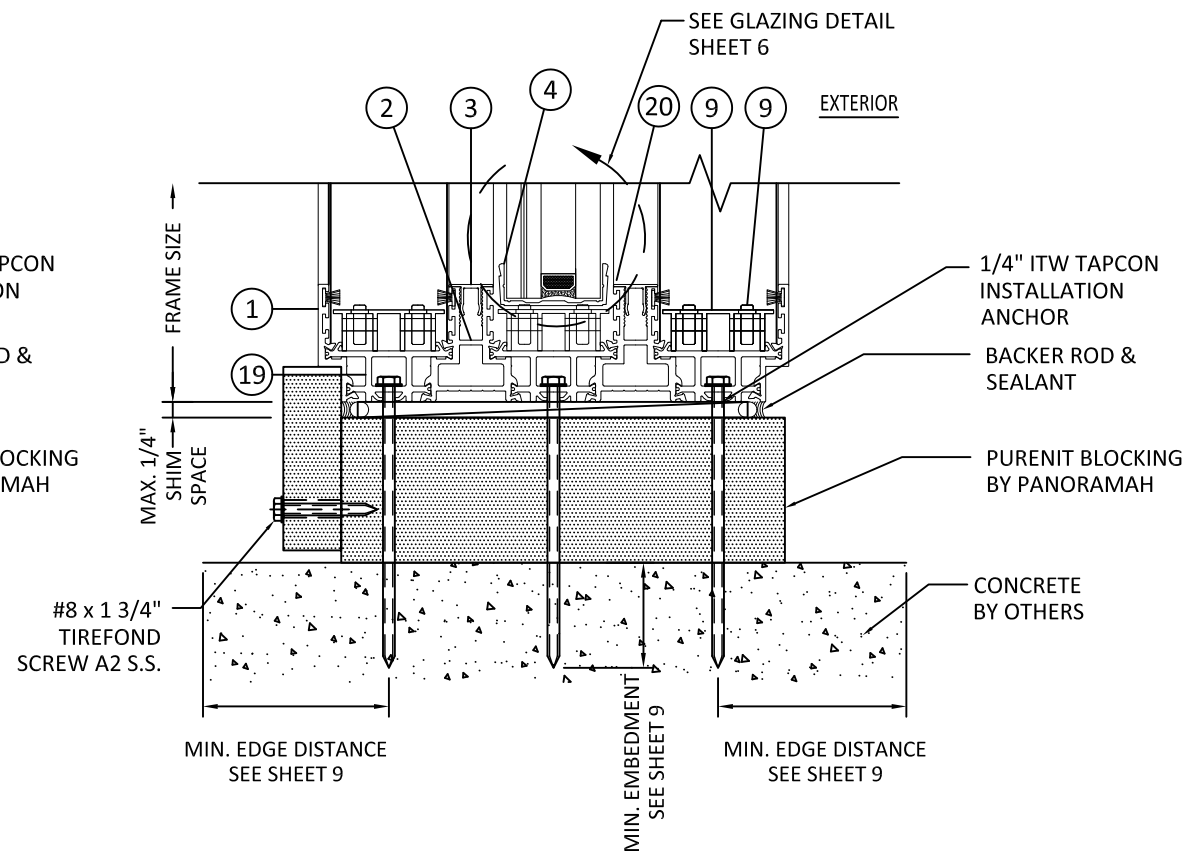
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TRIRAIL OPERABLE HEAD - TYP. INSTALL
2X WOOD FRAMING



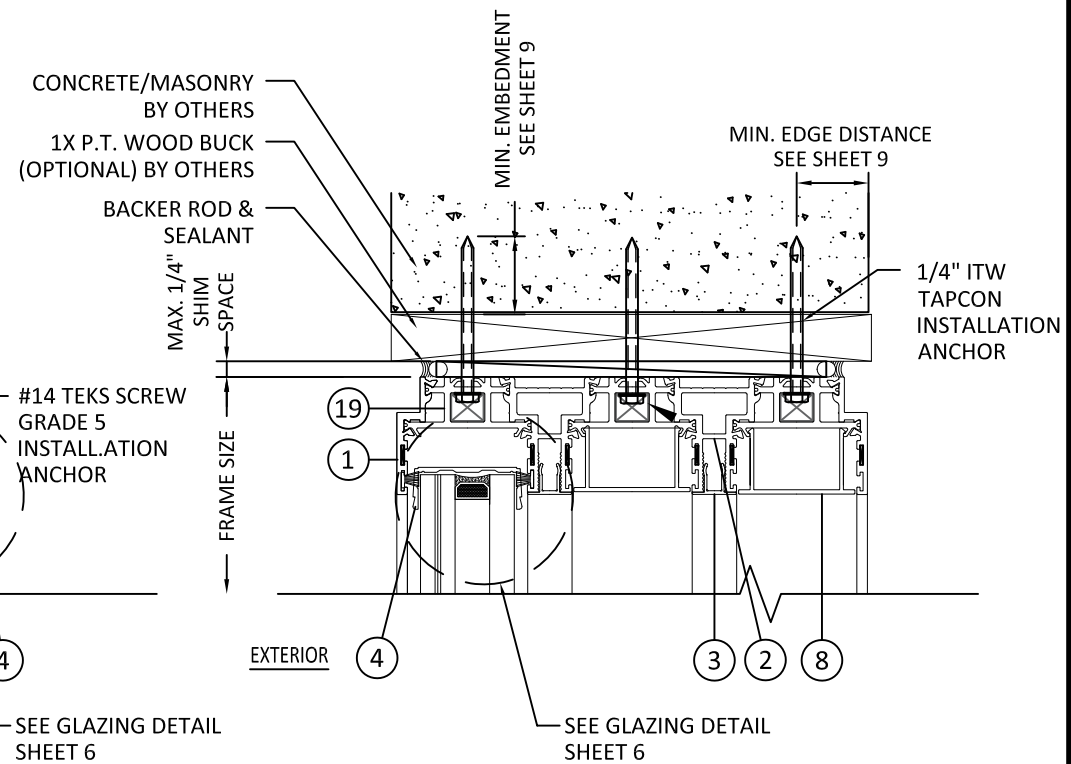
D
8 **VERTICAL SECTION**
TRIRAIL OPERABLE SILL - TYP. INSTALL
STRUCTURAL BLOCKING - CONCRETE SLAB



B
8 **VERTICAL SECTION**
TRIRAIL OPERABLE HEAD - TYP. INSTALL
METAL STUD



E
8 **VERTICAL SECTION**
OPERABLE SILL - TYP. INSTALL
STRUCTURAL BLOCKING - CONCRETE SLAB



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

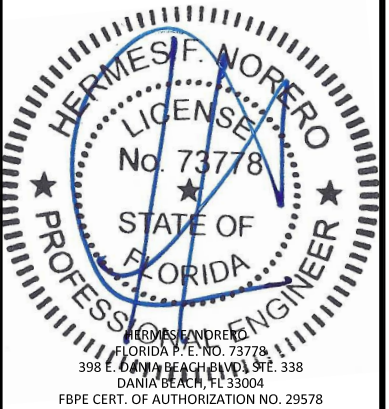
TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
VERTICAL SECTIONS
INSTALLATION DETAILS
(TRIRAIL DOOR)

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



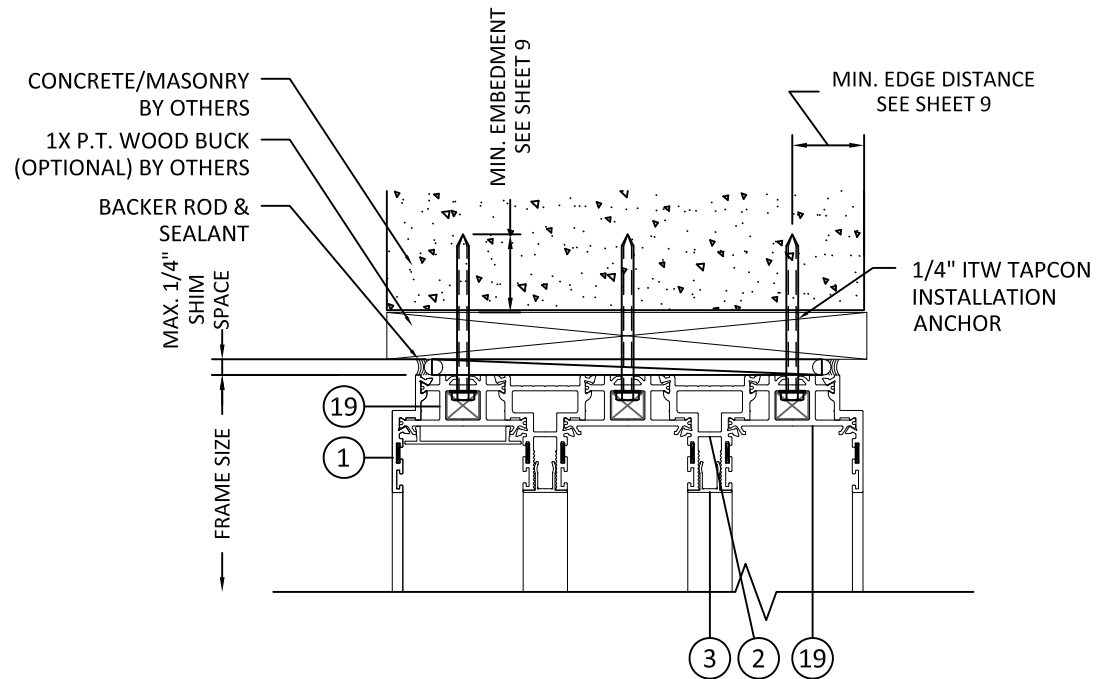
REMARKS	BY	DATE
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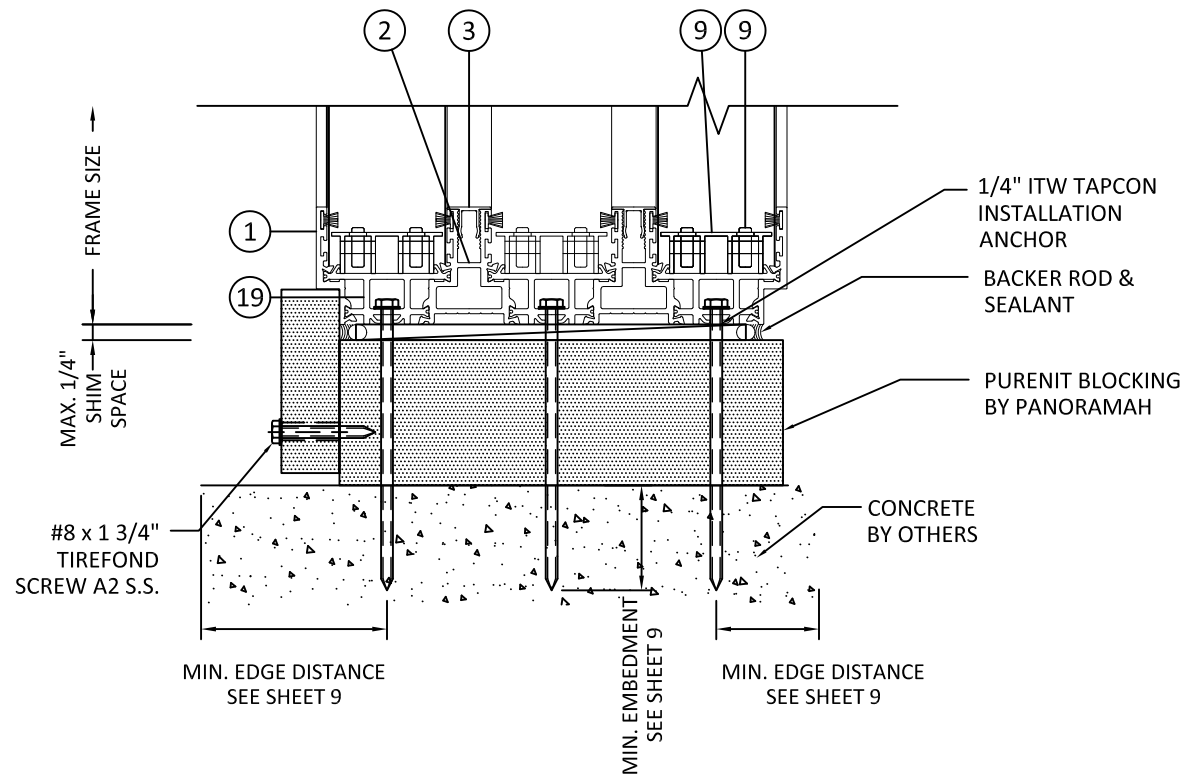


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DATE: 10.14.19	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: PAN002	
SHEET: OF 13	



A
9 **VERTICAL SECTION**
TRIRAIL POCKET HEAD - TYP. INSTALL
1X (OPTIONAL) TO CONCRETE/MASONRY



B
9 **VERTICAL SECTION**
TRIRAIL POCKET SILL - TYP. INSTALL
CONCRETE

ANCHOR SCHEDULE (2 OR 3 TRACK SYSTEM)

INSTALLATION METHOD	SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	ANCHOR LAYOUT AT HEAD AND SILL	ANCHOR LAYOUT AT INTERLOCK	ANCHOR LAYOUT AT JAMBS
THROUGH ALUMINUM FRAME (6063-T5)	WOOD: SPRUCE-PINE-FIR OR SIMILAR' S.G.=0.42	#14 WOOD SCREW	1.50"	HEAD: (1) ANCHOR AT 7-7/8" FROM THE JAMBS. (1) ANCHORS 4.00" O.C. and 1 AT MIDSPAN	1 ANCHOR AT 3.00" FROM EDGE OF MULLION. 2 ANCHORS 4.00" O.C.	18.75" FROM CORNER AND 19.25" O.C
		1/2" SHEAR LAG WOOD SCREW	1.50"	SILL: (1) ANCHOR AT 7-7/8" FROM THE JAM AND (2) ANCHORS 4.00" O.C. AFTER.		N/A
	METAL: 16 GAUGE STEEL MIN. Fy=33KSI	#14 TEK SCREW GRADE 5	3 PITCHES THREADS	HEAD: (1) ANCHOR AT 7-7/8" FROM THE JAMBS AND (2) ANCHORS 4.00" O.C.	1 ANCHOR AT 3.00" FROM EDGE OF MULLION. 2 ANCHORS 4.00" O.C.	18.75" FROM CORNER AND 19.25" O.C
				SILL: N/A		N/A
	CONCRETE: MIN. f'c= 3000PSI	1/4" ITW TAPCON	1.50"	(1) ANCHOR AT 7-7/8" FROM THE JAMBS AND (2) 4.00" O.C. AFTER.	1 ANCHOR AT 3.00" FROM EDGE OF MULLION. 2 ANCHORS 4.00" O.C.	18.75" FROM CORNER AND 19.25" O.C
	MASONRY: CMU per ASTM C90 MIN. 2000PSI	1/4" ITW TAPCON	1.00"	N/A	N/A	18.75" FROM CORNER AND 19.25" O.C

panoramAH! AMERICA
R Dom Marcus da Cruz,
1240 Perafita,
Portugal 4455-482

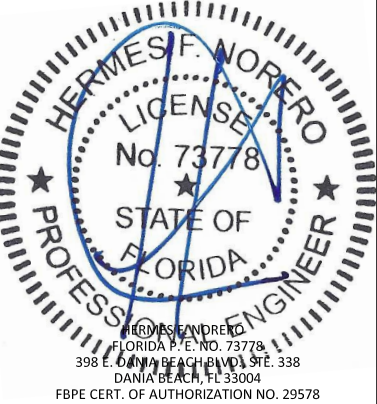
TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
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VERTICAL SECTIONS
INSTALLATION DETAILS
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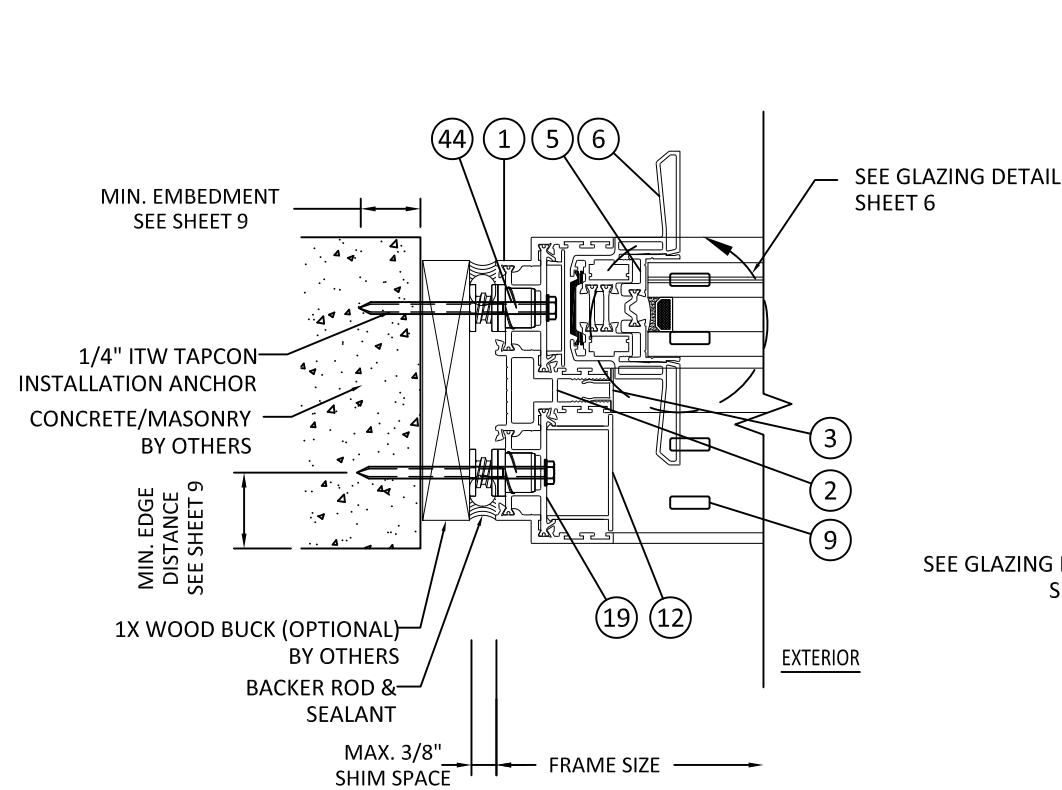
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RV

CHK. BY:
HFN

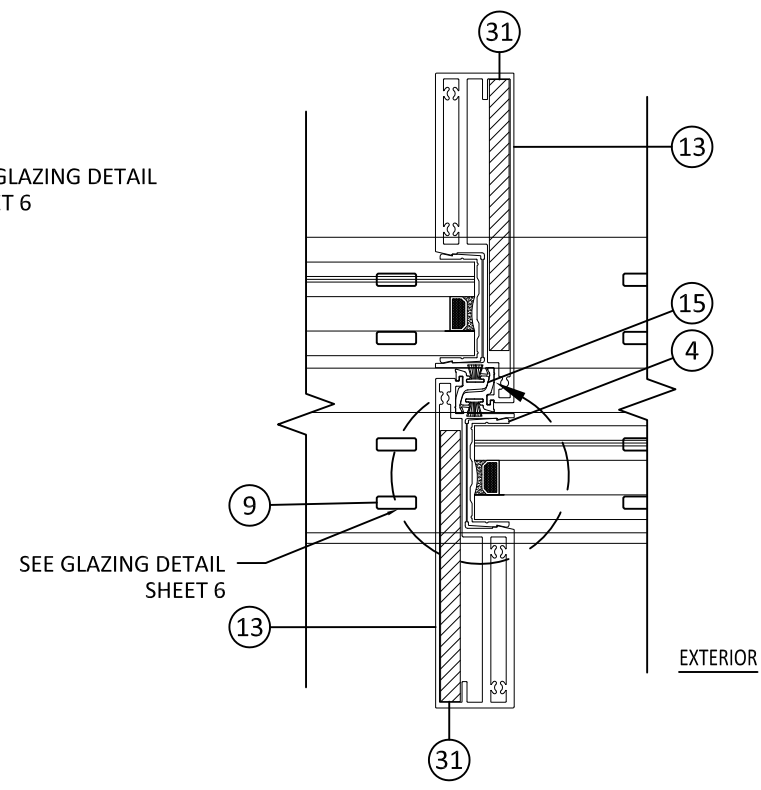
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DWG. #: PAN002

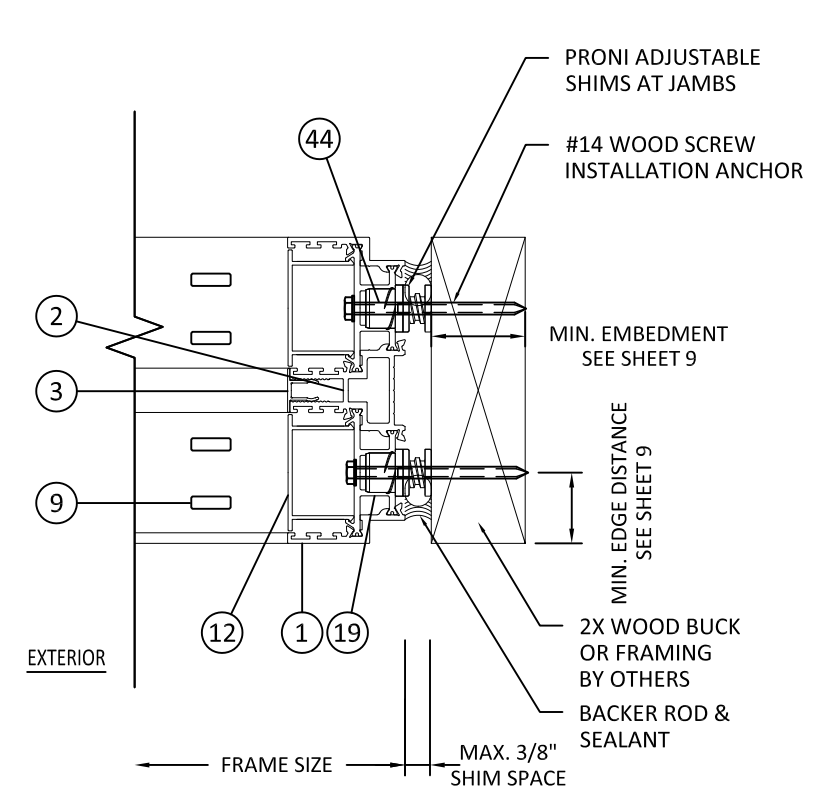
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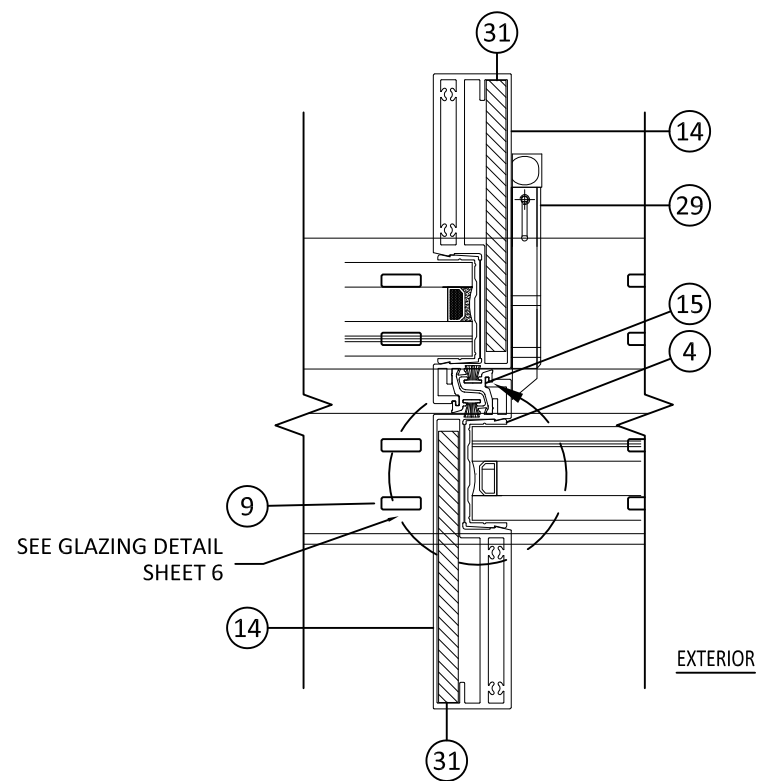
A HORIZONTAL SECTION
10 BIRAIL JAMB - TYPICAL
 1X WOOD BUCK TO CONC/MASONRY



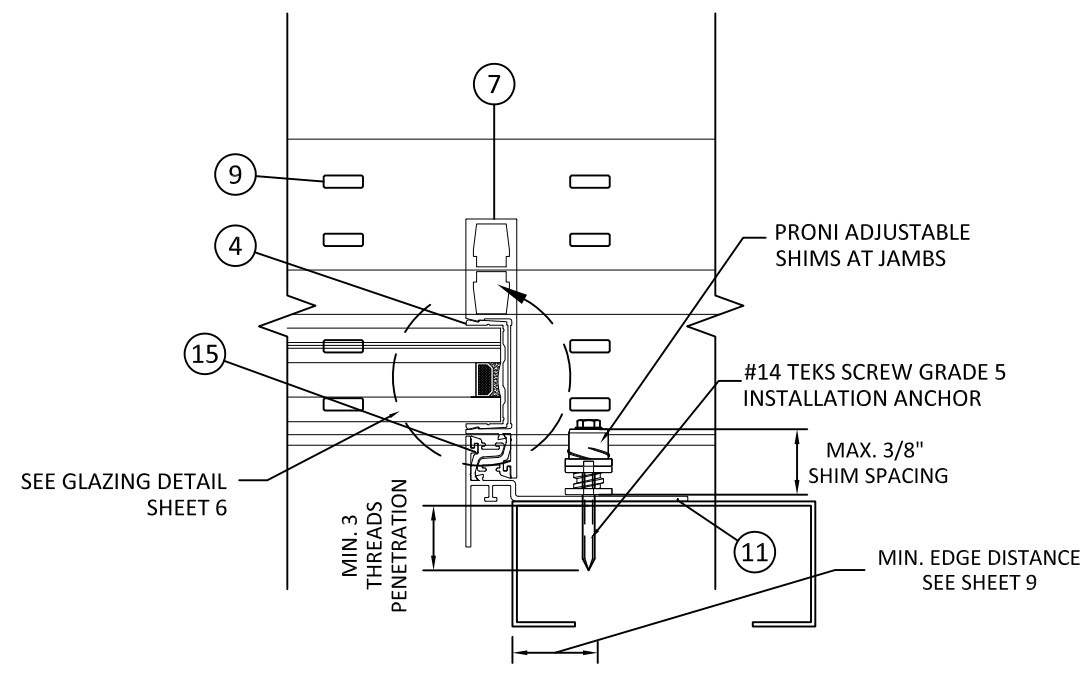
B HORIZONTAL SECTION
10 BIRAIL INTERLOCK - TYPICAL



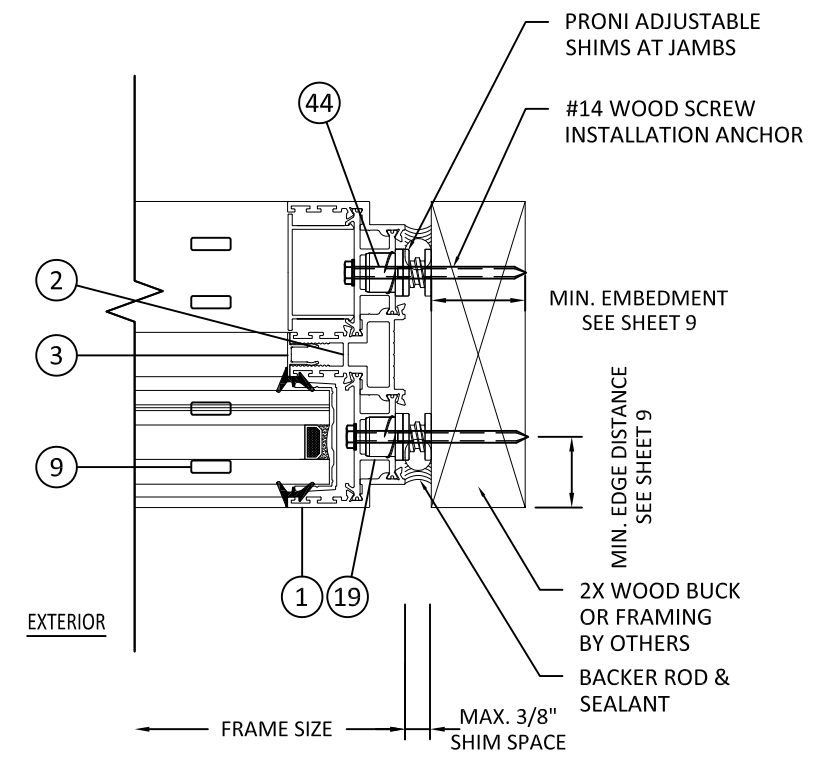
C HORIZONTAL SECTION
10 BIRAIL POCKET JAMB - TYP. INSTALLATION
 2X WOOD FRAME



D HORIZONTAL SECTION
10 BIRAIL INTERLOCK - TYPICAL



E HORIZONTAL SECTION
10 BIRAIL WALL INTERLOCK - TYPICAL



F HORIZONTAL SECTION
10 BIRAIL FIXED JAMB - TYP. INSTALLATION
 2X WOOD FRAME

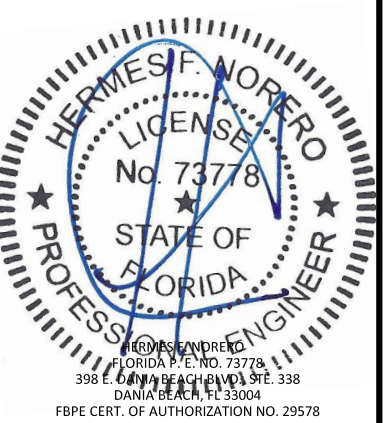
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 HORIZONTAL SECTIONS
 INSTALLATION DETAILS
 (BIRAIL DOOR)

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BUILDING DROPS

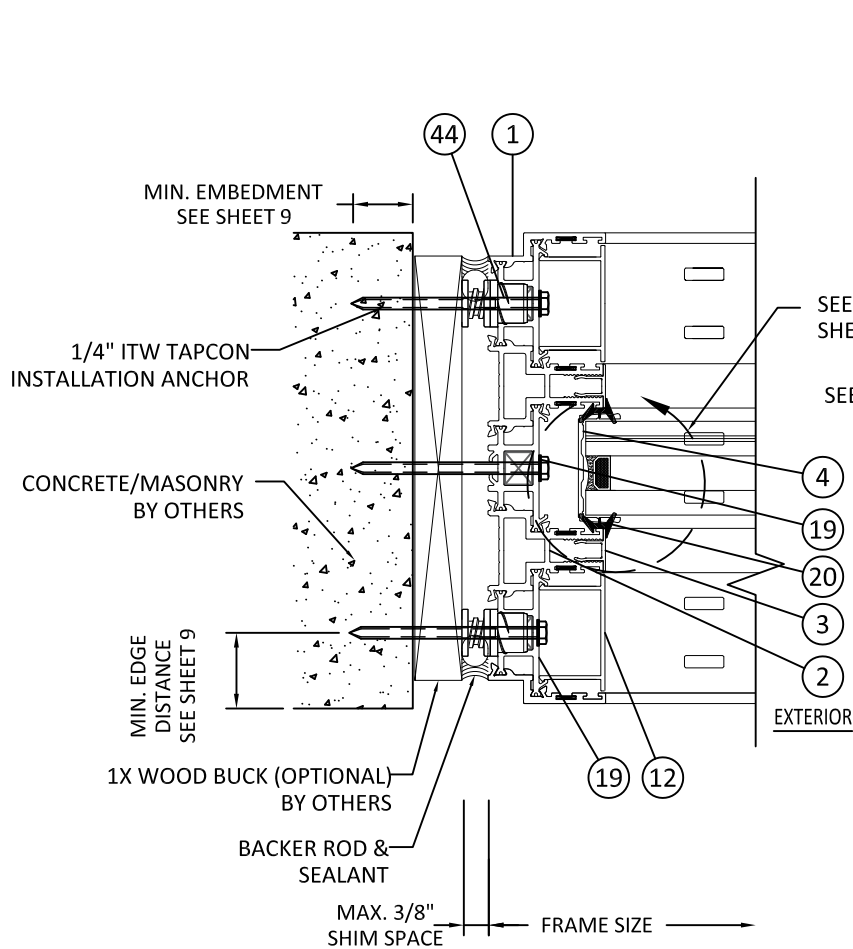
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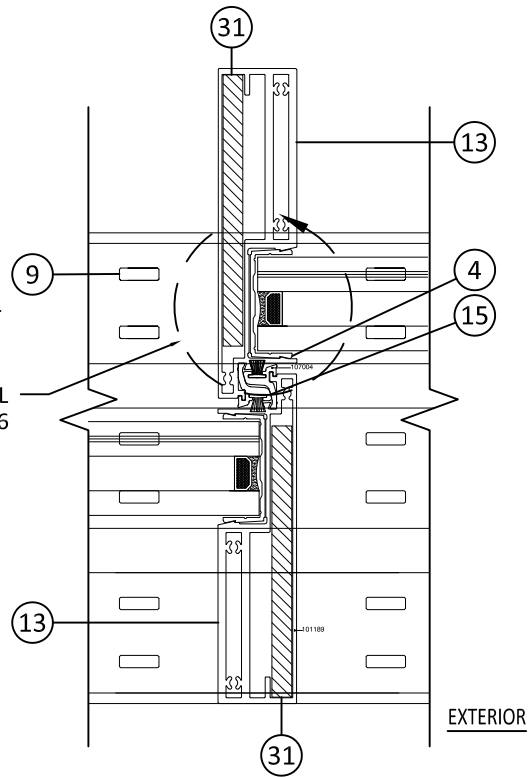


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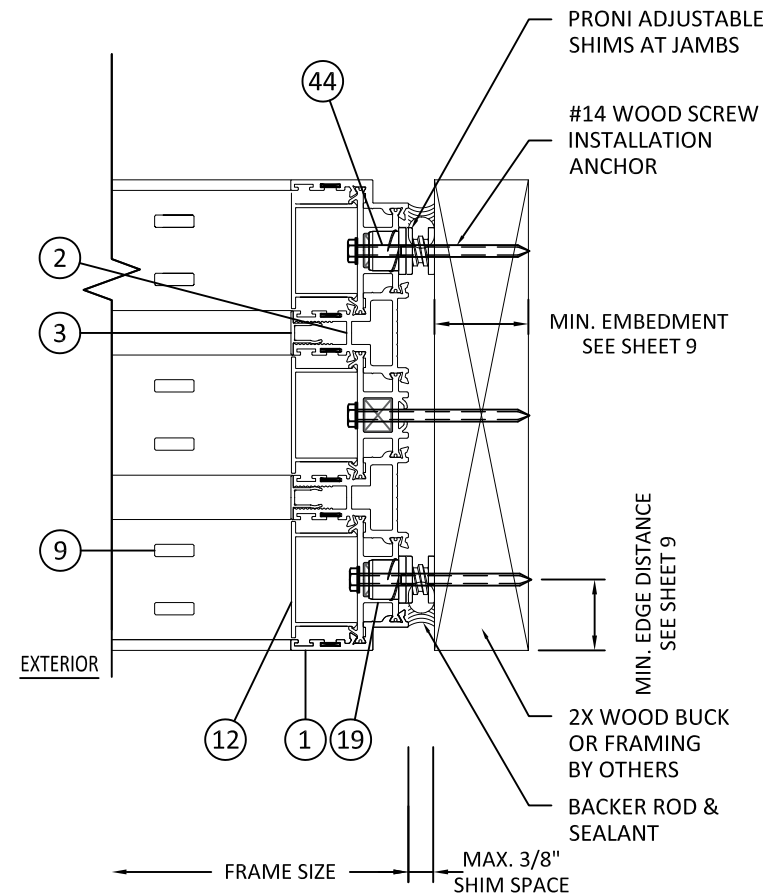
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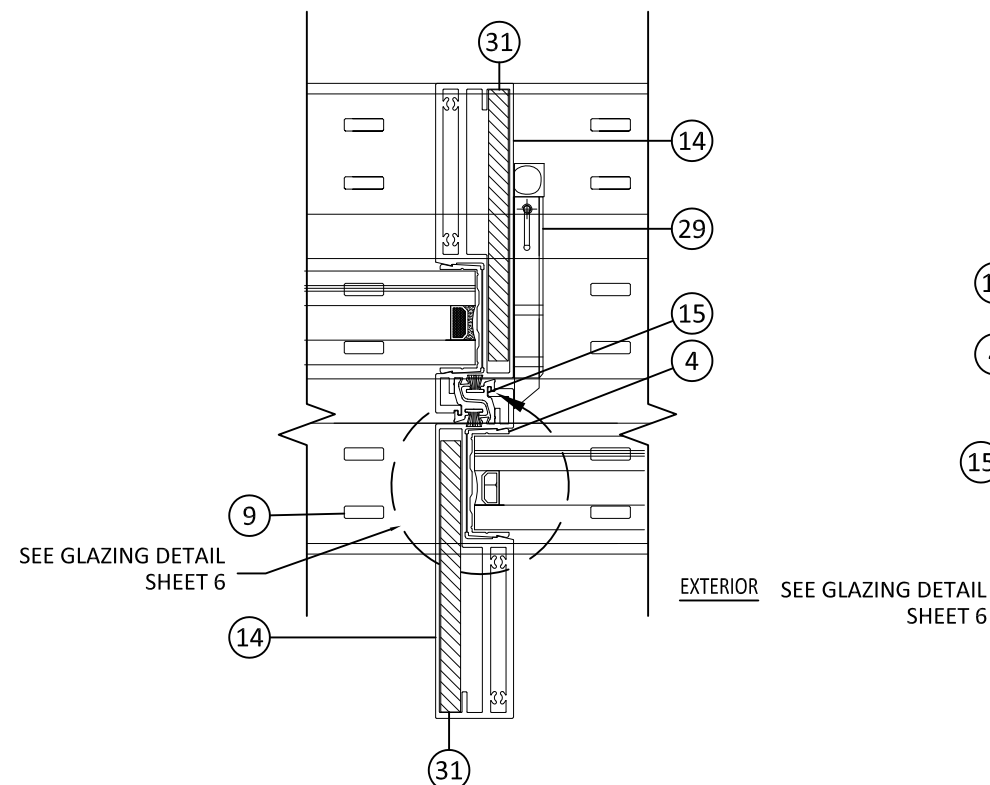
A HORIZONTAL SECTION
11 TRIRAIL JAMB - TYPICAL
1X WOOD BUCK TO CONC/MASONRY



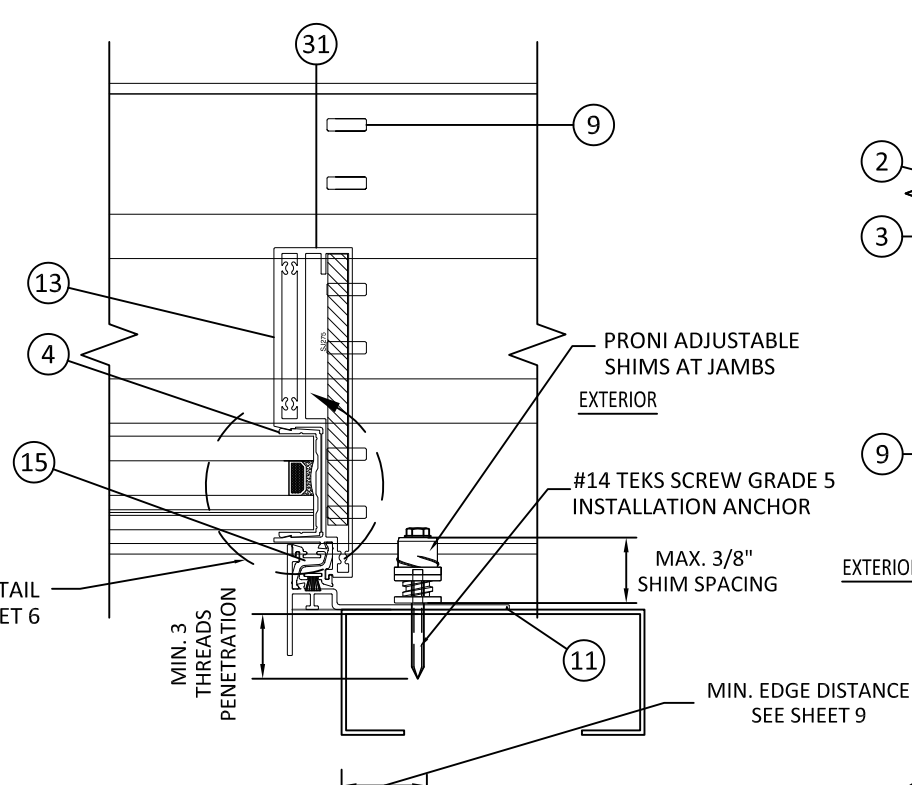
B HORIZONTAL SECTION
11 TRIRAIL INTERLOCK - TYPICAL



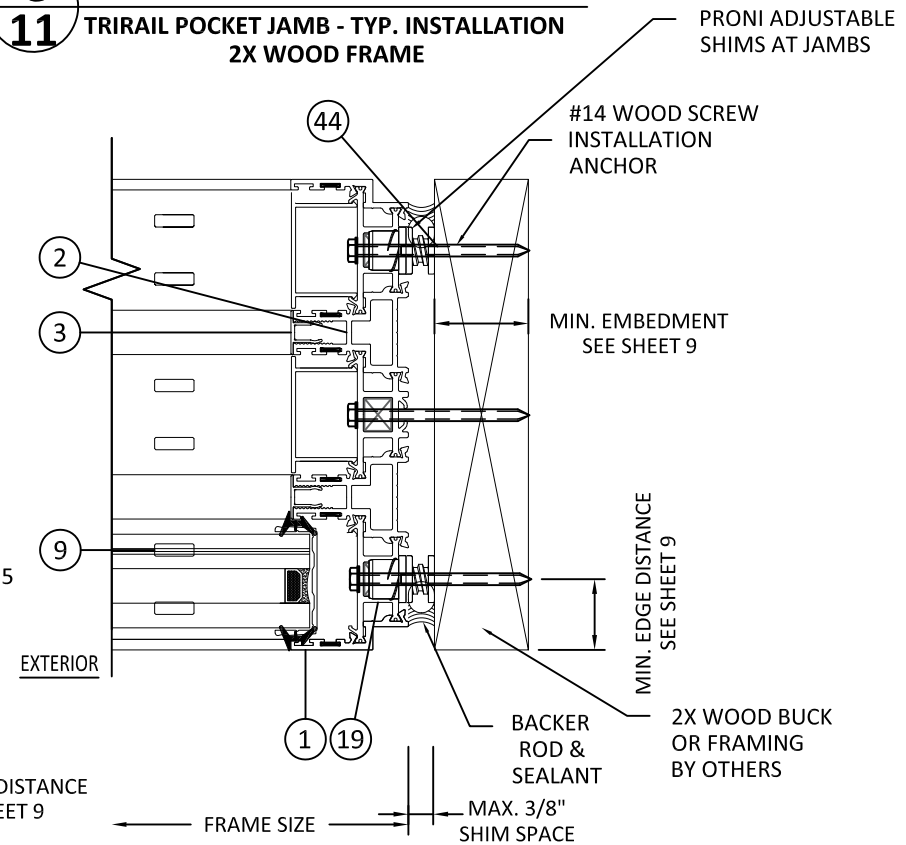
C HORIZONTAL SECTION
11 TRIRAIL POCKET JAMB - TYP. INSTALLATION
2X WOOD FRAME



D HORIZONTAL SECTION
11 TRIRAIL INTERLOCK - TYPICAL



E HORIZONTAL SECTION
11 TRIRAIL WALL INTERLOCK - TYPICAL



F HORIZONTAL SECTION
11 TRIRAIL FIXED JAMB - TYP. INSTALLATION
2X WOOD FRAME

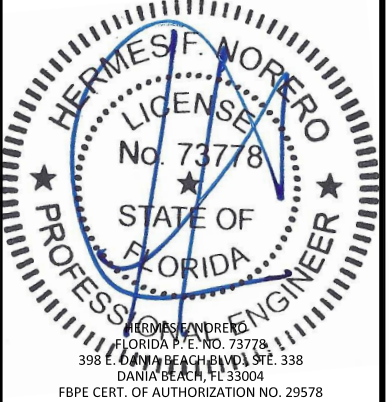
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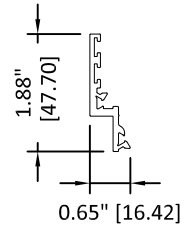
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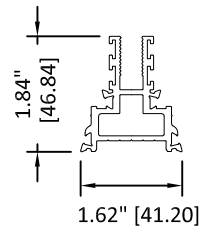
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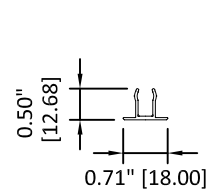
1 EXTERIOR PROFILE FOR FIXED FRAME
6063-T5 ALUMINUM



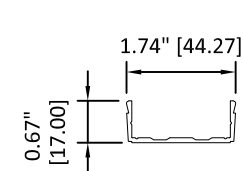
2 INTERIOR PROFILE FOR FIXED FRAME
6063-T5 ALUMINUM



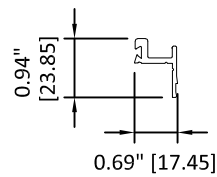
3 INTERIOR PROFILE FOR FIXED CAP
6063-T5 ALUMINUM



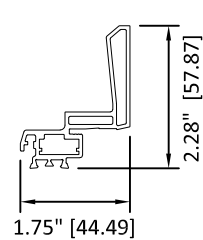
4 GLASS U CHANNEL
6063-T5 ALUMINUM



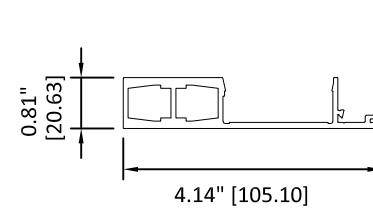
5 GLASS U CHANNEL (HANDLE PROFILE)
6063-T5 ALUMINUM



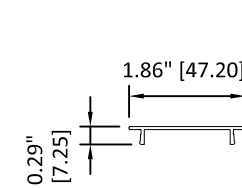
6 HANDLE PROFILE WITH FLAP
6063-T5 ALUMINUM



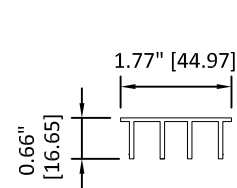
7 REINFORCED CENTRAL MULLION
6063-T5 ALUMINUM



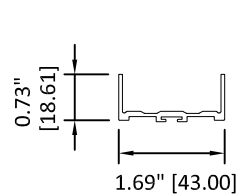
8 LOW FRAME CAP
6063-T5 ALUMINUM



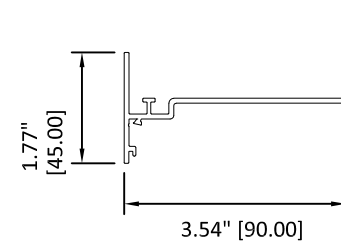
9 BOTTOM TRACK WITH BEARINGS
6063-T5 ALUMINUM



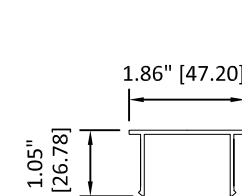
10 GLASS U CHANNEL FOR BRASS
6063-T5 ALUMINUM



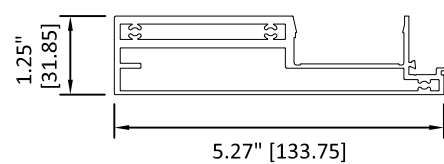
11 WALL STOP PROFILE
6063-T5 ALUMINUM



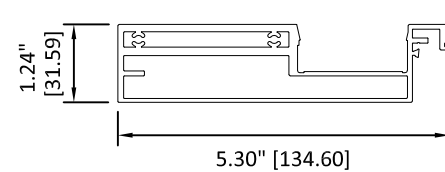
12 HIGH FRAME CAP
6063-T5 ALUMINUM



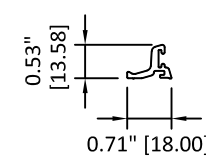
13 PROFILE FOR STL REINFORCED MULLION
6063-T5 ALUMINUM



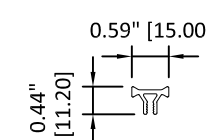
14 PROFILE FOR INVERTED STL REINFORCED MULLION
6063-T5 ALUMINUM



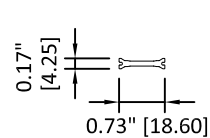
15 POLYAMIDE FOR CENTRAL MULLIONS
PA 6.6 25%



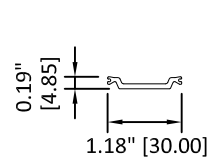
16 POLYAMIDE FOR HANDLE U CHANNEL
PA 6.6 25%



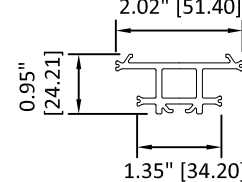
17 POLYAMIDE FOR HANDLE
PA 6.6 25%



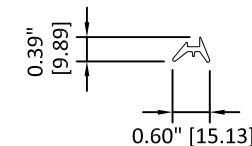
18 POLYAMIDE FOR LOCKING POINT SYSTEM
PA 6.6 25%



19 POLYAMIDE FOR FRAME
PA 6.6 25%



20 GASKET FOR FIXED PROFILE.
EPDM



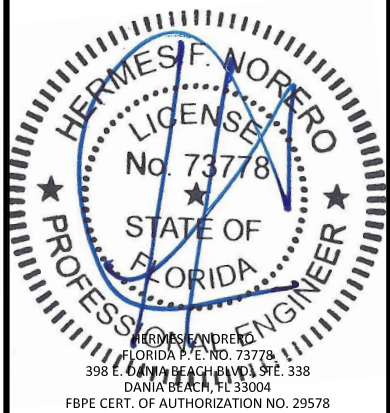
TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
COMPONENTS

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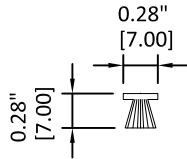


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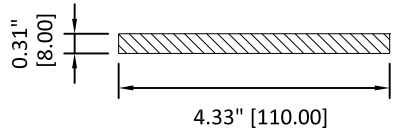
21

7x7mm PILE WEATHER STRIPS
POLYESTER MOHAIR



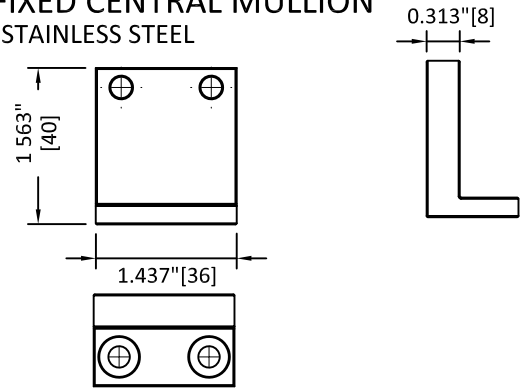
31

STAINLESS STEEL REINFORCEMENT 110x8
SS AISI 304



24

FIXED CENTRAL MULLION
STAINLESS STEEL



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	101010	REINFORCED CENTRAL MULLION	6063-T5 ALUMINUM
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	101027	WALL STOP PROFILE	6063-T5 ALUMINUM
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	-	FIXED CENTRAL MULLION CORNER	STAINLESS STEEL
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 (S 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



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R Dom Marcus da Cruz,
1240 Perafita,
Portugal 4455-482

TITLE: PH 38 SLIDING GLASS DOOR
MULTI-PANEL
(HVHZ)/(IMPACT)
B.O.M. & COMPONENTS

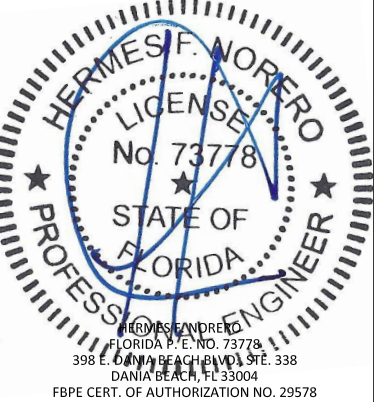
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FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE
INSTALLATION TO DEVIATE FROM THE REQUIREMENTS
DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT
SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE
WITH THIS DOCUMENT.



FL21091

DATE: 10.14.19

DWG. BY:
RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: PAN002

SHEET: OF 13

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