

WEILAND SLIDING DOORS AND WINDOWS, INC.

LIFTSLIDE DOOR (ALS, AWLS & ALS-T) (HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
2. INSTALL INSTALLATION ANCHORS AT ALL JACKING SCREW LOCATIONS (SEE SILL INSTALLATION).
3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
4. USE ONE (1) INSTALLATION ANCHOR PER TRACK AT EACH ANCHOR LOCATION SHOWN ON HEAD AND JAMB, UNLESS OTHERWISE NOTED. (SEE SHEET 3 & 5)
5. USE ONE (1) INSTALLATION ANCHOR THROUGH HOOKSTRIP AT EACH ANCHOR LOCATIONS SHOWN ON POCKET APPLICATIONS. (SEE SHEET 3 & 5)
6. USE TWO (2) INSTALLATION ANCHORS AT EACH ANCHOR LOCATION SHOWN ON SILL. (SEE SHEET 3 & 5)
7. **FOR HEAD & JAMB:** FOR INSTALLATION INTO WOOD FRAMING, USE #10 STAINLESS STEEL WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT. ANCHORS SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE & 3" MIN. O.C. SPACING.
8. **FOR HEAD & JAMB:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH ELCO ULTRACONS OR HILTI KWIK-CON II+ ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT THROUGH HEAD & JAMB TRACKS. CONCRETE/MASONRY ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE 1-1/2" & 3" MIN. O.C. SPACING.
9. **FOR HEAD & JAMB:** FOR INSTALLATION INTO STEEL STUD FRAMING, USE #12 GRADE 5 OR STAINLESS STEEL SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM OF THREE THREADS PENETRATION BEYOND METAL WALL. ANCHORS SHALL MAINTAIN MINIMUM 1/2" EDGE DISTANCE & 3/4" MIN. O.C. SPACING.
10. **FOR SILL:** USE 1/4-20 GALVANIZED OR 300 SERIES STAINLESS STEEL THREADED RODS WITH 3/4 INCH STEEL WASHER AND LOCK & LEVELING NUTS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT AT SILL TRACK. CONCRETE/MASONRY ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE 1-1/2" & 3" MIN. O.C. SPACING.
11. **FOR SILL:** FOR INSTALLATION INTO WOOD, USE #14 STAINLESS STEEL WOOD SCREWS OR 1/4" HANGER BOLTS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT AT SILL TRACK. ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE 3/4" & 3" MIN. O.C. SPACING.
12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
13. 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.
14. 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.
15. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. 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.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 14 GA. (0.0747") WALL THICKNESS.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, INCLUDING HVHZ. THIS PRODUCT HAS BEEN EVALUATED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

AAMA/WDMA/CSA 101/I.S.2/A440-11

TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 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.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT, IN NON HVHZ AND TO BE REVIEWED BY BUILDING OFFICIAL. FOR HVHZ DEVIATION FROM APPROVAL REQUIRES ONE TIME APPROVAL FROM MIAMI-DADE COUNTY (RER).
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T5.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEETS 9 & 10 FOR GLAZING DETAILS.
8. DESIGNATIONS "X", "O", "P", & "W" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

P: POCKET

W: WALL
9. APPROVED CONFIGURATIONS INCLUDE:

1 TRACK - PX-XP, PX, XP, O, O-O

2 TRACK - PXX-XXP, OX-XXP, PXX-XO, PXX, XXP, OX-XO, OX, XO, OXO, O-O

3 TRACK - PXXX, XXXP, XXO, OXX, PXXX-XXXX, OXX-XXO, PXXX-XXO, OXX-XXXX

4 TRACK - PXXXX, XXXXP, OXXX, XXXO, PXXXX-XXXXP, OXXX-XXXXO, PXXXX-XXO, OXXX-XXXXP

5 TRACK - XXXXP, PXXXX, OXXXX, XXXO, PXXXX-XXXXP, OXXX-XXXXO, PXXXX-XXXXO, OXXX-XXXXP

- CONFIGURATIONS USING 90 DEGREE CORNER MAY UTILIZE ABOVE TRACK CONFIGURATION OPTIONS SUCH THAT MAXIMUM SIZE LISTED ON SHEET 4 IS NOT EXCEEDED.

- CUSTOM CONFIGURATIONS AVAILABLE UPON REQUEST.

- X PANELS IN THE ABOVE CONFIGURATIONS MAY BE REPLACED BY O PANELS. POCKETS (P) MAY BE REPLACED WITH WALL (W).

- UNLIMITED NUMBER OF TRACKS MAY BE USED SUCH THAT MAXIMUM OVERALL WIDTHS AS SPECIFIED ON SHEETS 2 & 4 ARE NOT EXCEEDED.

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DESIGN PRESSURES	IMPACT RATING	TRACK TYPE	TRACK ORIENTATION	WATER RATING	TYP. DETAIL
SEE PAGE 6 OR 18 FOR DESIGN PRESSURES	NOT RATED FOR IMPACT	FULL DRAINAGE	INTERIOR STACKING CONFIGURATIONS	MAX. POSITIVE DESIGN PRESSURE (+80 PSF) (WTP = 20 PSF)	A/7
			EXTERIOR STACKING eWXXW, or eWX, eXW, CONFIGURATIONS ONLY.	MAX. POSITIVE DESIGN PRESSURE (+61.3 PSF) (WTP = 9.19 PSF)	
			EXTERIOR STACKING CONFIGURATIONS	UNITS SHALL BE INSTALLED WHERE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1. OH RATIO = OH LENGTH/OH HEIGHT.	
		STANDARD FLUSH TRACK	INTERIOR STACKING CONFIGURATIONS		P/18
			EXTERIOR STACKING CONFIGURATIONS		
		SHORT TRACK	INTERIOR STACKING CONFIGURATIONS		O/18
			EXTERIOR STACKING CONFIGURATIONS		

NOTE: WHERE OVERHANG RATIO IS EQUAL TO OR GREATER THAN 1, MAX. POSITIVE DESIGN PRESSURE MAY BE TAKEN TO BE + 80 PSF FOR ALL TRACK TYPES AND ORIENTATIONS.



1319 ROCKY POINT DR #100
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TITLE: LIFTSLIDE DOOR (ALS, AWLS & ALS-T) (HVHZ)(NON-IMPACT)

INSTALLATION & GENERAL NOTES

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BUILDING DROPS, INC.

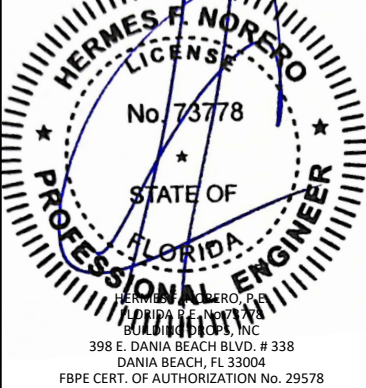
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REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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.

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Reason: I am approving this document
Date: 2023.06.11 14:55:51 -04'00'



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FL17559

DATE: 02.11.15

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SM

CHK. BY:
HFN

SCALE: NTS

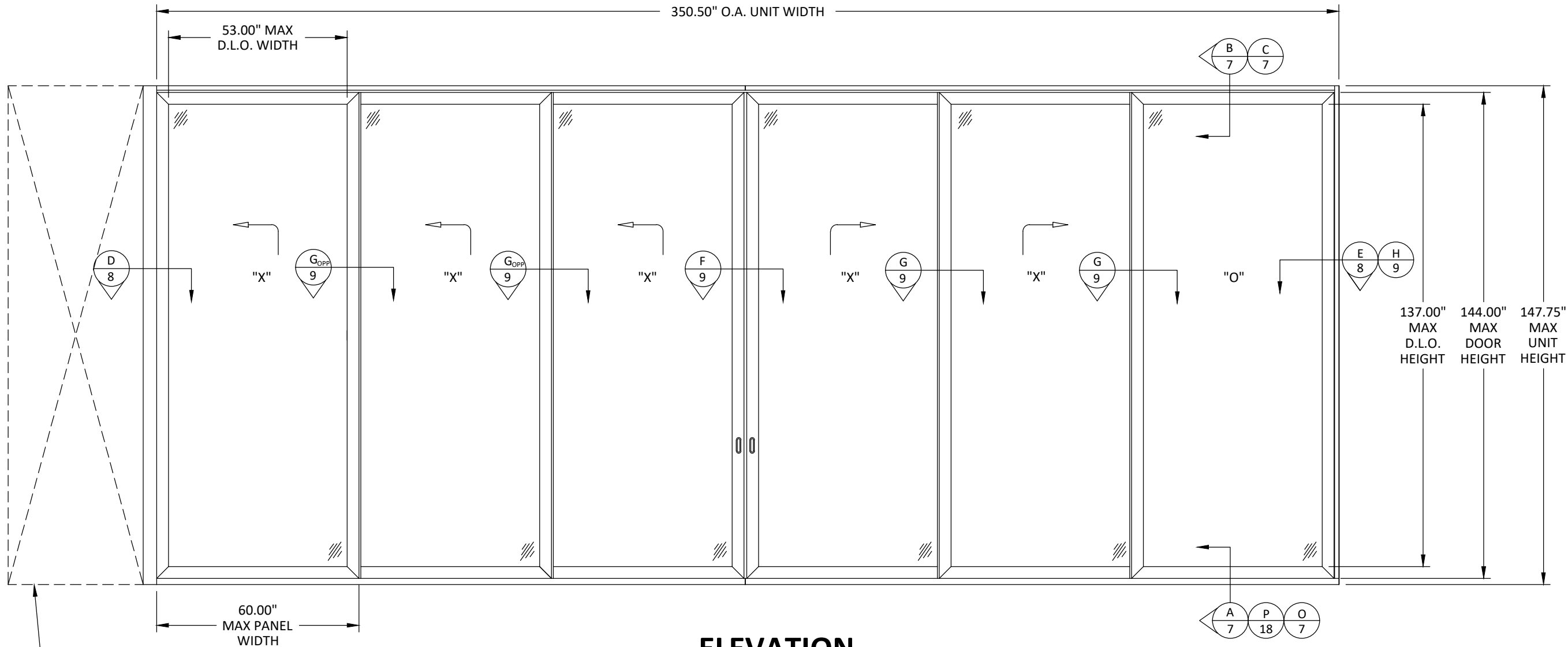
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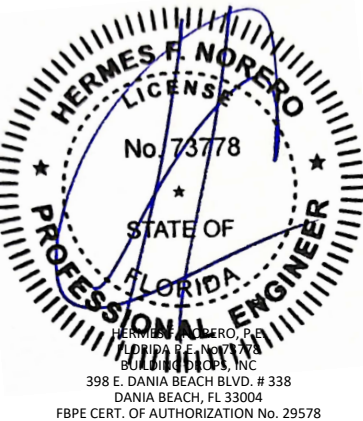
LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)
6 PANEL ELEVATIONS

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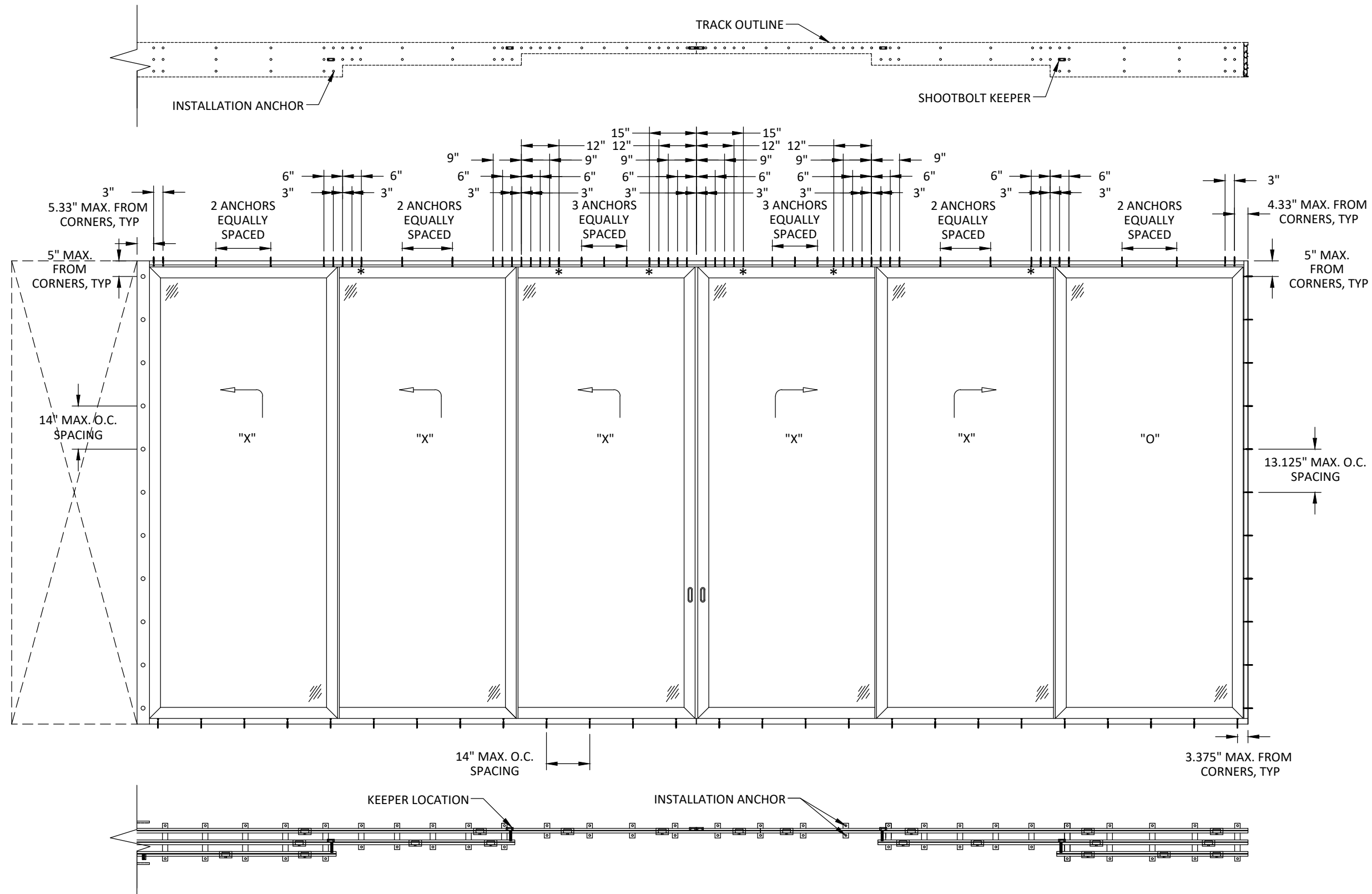
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NOTE:
1) ANCHOR LOCATIONS AT THE HEAD MARKED WITH AN ASTERISK (*) ARE NOT REQUIRED WHEN INSTALLING TO WOOD SUBSTRATE.

ANCHOR LAYOUT

NOTE:
1) SEE SHEET 11 FOR ANCHOR LAYOUT FOR SINGLE AND DOUBLE FIXED PANELS.



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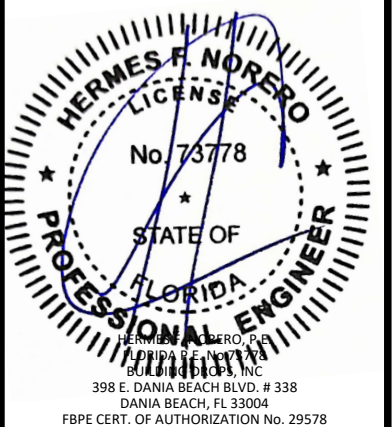
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(ALS, AWLS & ALS-T)
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6 PANEL ANCHOR LAYOUT

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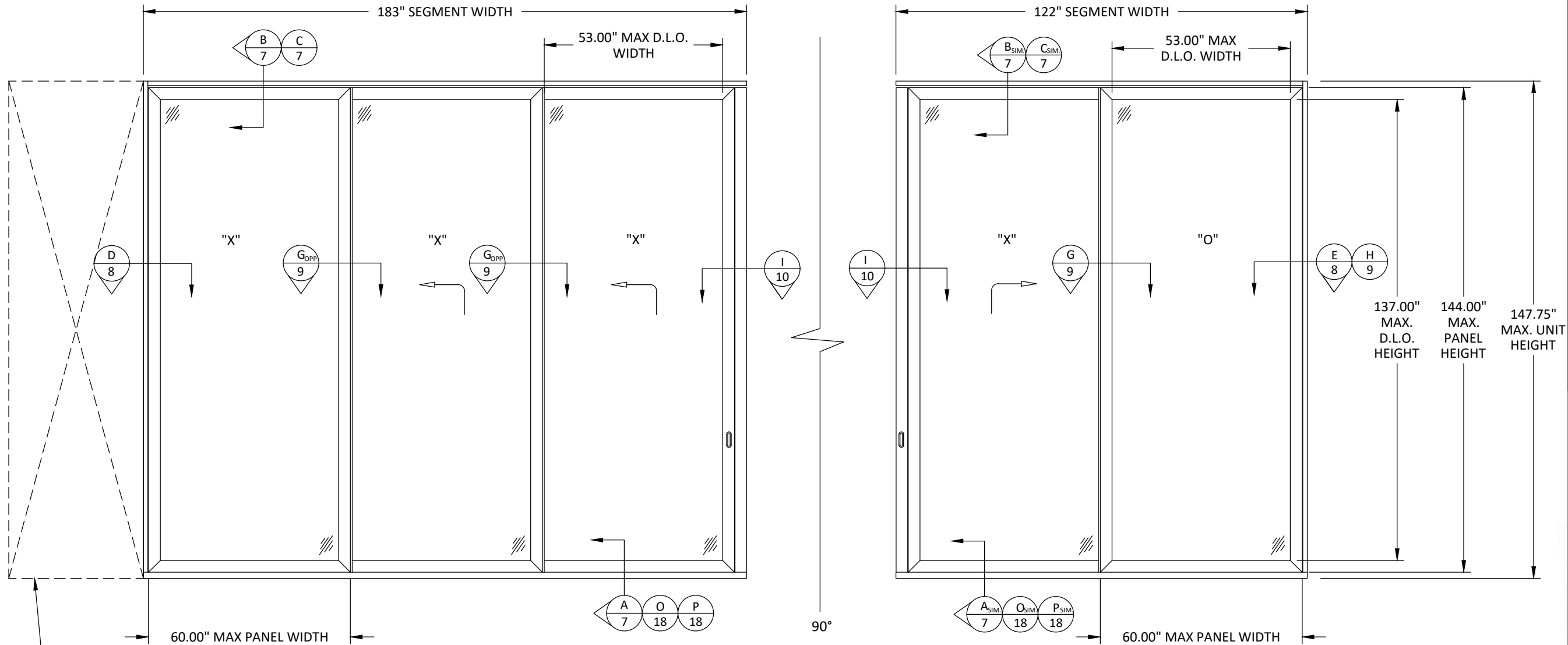
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ELEVATION

EXTERIOR VIEW - 90° CORNER (OXX-XO)

NOTES:

- 1) MAX. O.A. UNIT WIDTH = 525.75" (TESTED WIDTH x 1.5), SUCH THAT MAXIMUM PANEL DIMENSIONS SHOWN ON SHEET 6 OR 18 ARE NOT EXCEEDED.
- 2) DOOR SHALL USE SHOOT BOLT LOCKING HARDWARE BY WEILAND AT INTERLOCK STILES, MEETING STILES, AND CORNER STILES INTO THE HEAD AND SILL.
- 3) DOOR SHALL USE LIFT AND SLIDE HARDWARE BY GU.
- 4) SHOOT BOLT HARDWARE, IF USED, IS BY WEILAND.
- 5) SEE PAGE 6 OR 18 FOR DESIGN PRESSURES BASED ON PANEL SIZE AND USE OF SHOOTBOLTS.
- 6) POCKET (P) OR WALL (W) CONDITIONS MAY BE USED AT EITHER SIDE OR BOTH SIDES OF DOOR ASSEMBLY.



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(HVHZ)/(NON-IMPACT)

90° CORNER - 5 PANEL ELEVATION

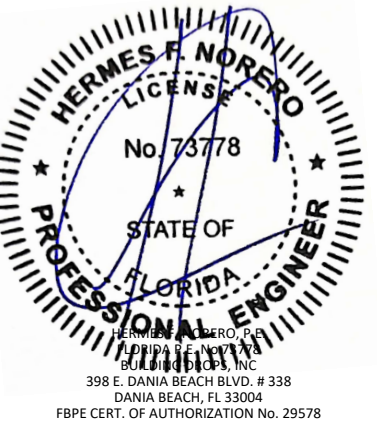
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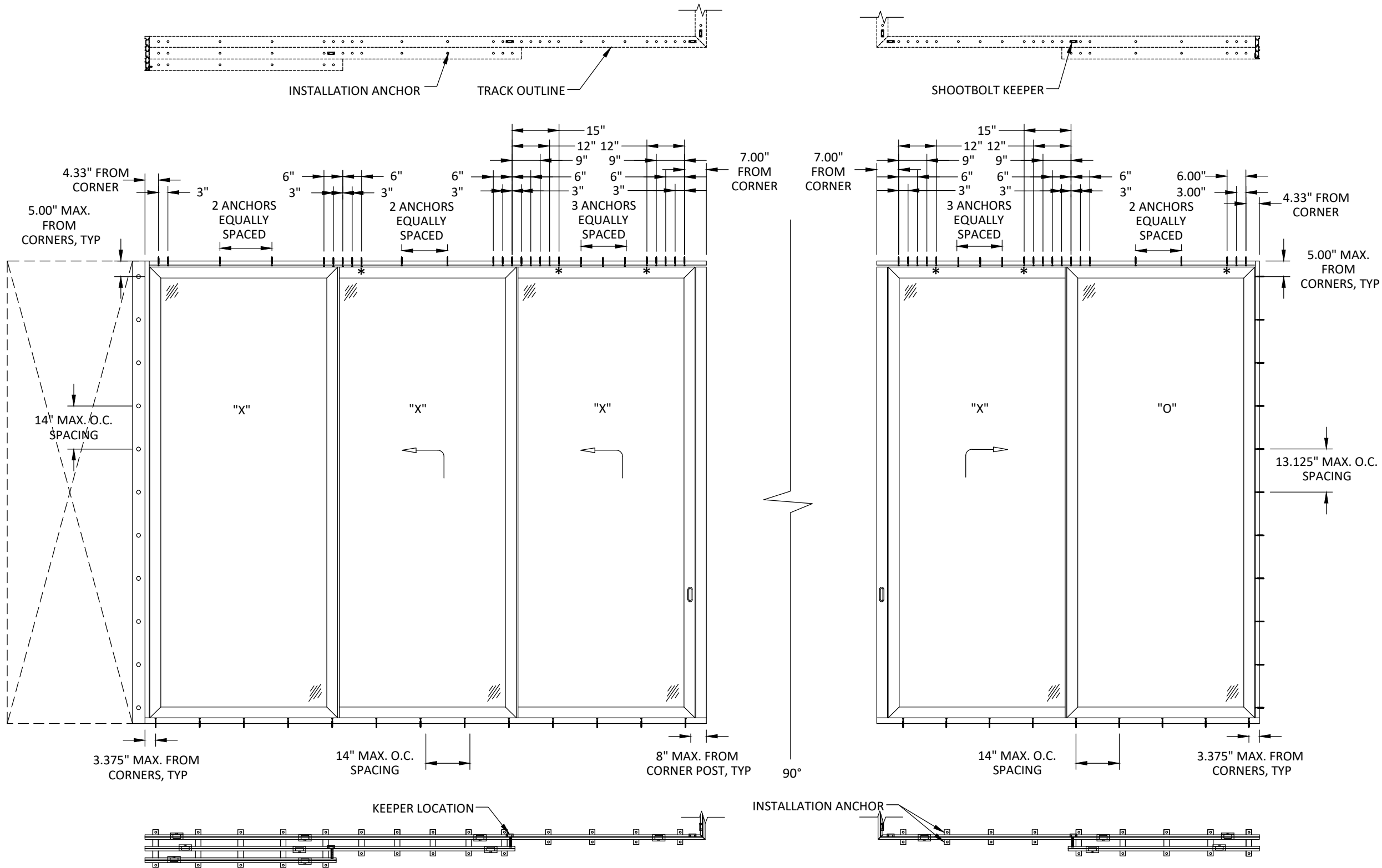
REMARKS	BY	DATE
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NOTE:
1) ANCHOR LOCATIONS AT THE HEAD MARKED WITH AN ASTERISK (*) ARE NOT REQUIRED WHEN INSTALLING TO WOOD SUBSTRATE.

ANCHOR LAYOUT

NOTE:
1) SEE SHEET 11 FOR ANCHOR LAYOUT FOR SINGLE AND DOUBLE FIXED PANELS.



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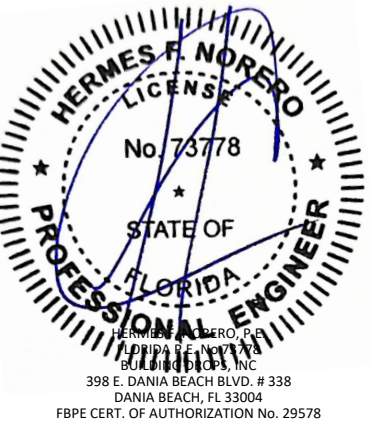
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(HVHZ)/(NON-IMPACT)

90° CORNER - 5 PANEL ANCHOR LAYOUT

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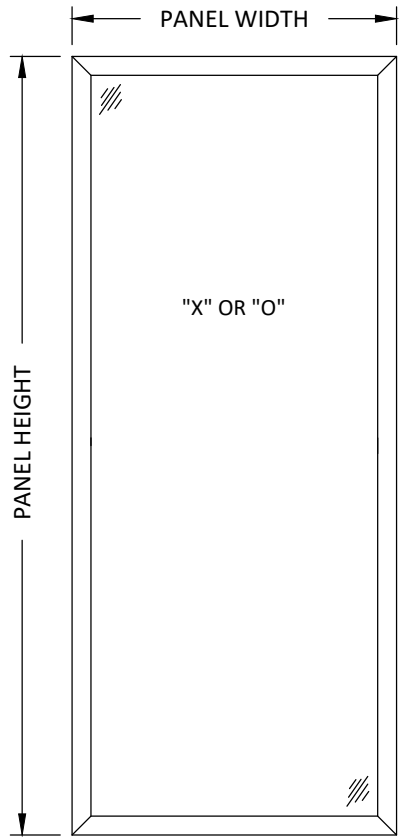
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ALLOWABLE DESIGN PRESSURE WITH SHOOT BOLTS (PSF)			
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	+DP	-DP
36	96	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		72.7	72.7
72		66.7	66.7
78		61.5	61.5
84		57.1	57.1
36	102	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		75.3	75.3
66		68.4	68.4
72		62.7	62.7
78		57.9	57.9
84		53.8	53.8
36	108	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		76.2	76.2
60		71.1	71.1
66		64.6	64.6
72		59.3	59.3
78		54.7	54.7
36	114	80.0	80.0
42		80.0	80.0
48		78.0	78.0
54		71.7	71.7
60		66.9	66.9
66		61.2	61.2
72		56.1	56.1
74		54.6	54.6

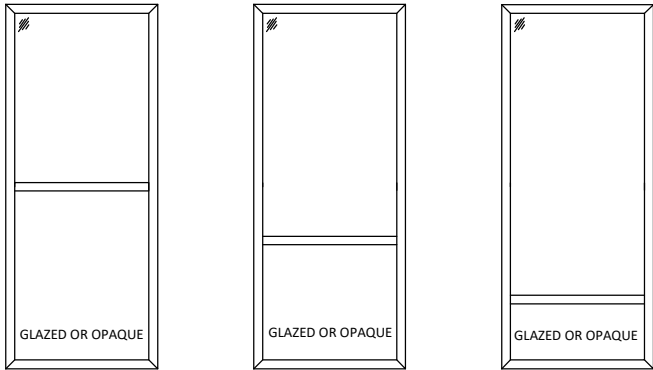
DESIGN PRESSURE NOTES:

- DESIGN PRESSURE SHALL BE LIMITED TO VALUES LISTED IN ABOVE TABLE BASED ON INDIVIDUAL PANEL SIZE. PANELS SMALLER THAN DIMENSIONS SHOWN IN TABLE SHALL BE LIMITED TO +/- 80 PSF.
- REFER TO SHEET 18 FOR DESIGN PRESSURES BASED ON MAX. PANEL SIZE WITHOUT USE OF THE SHOOT BOLT ASSEMBLY.

ALLOWABLE DESIGN PRESSURE WITH SHOOT BOLTS (PSF)			
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	+DP	-DP
36	120	80.0	80.0
42		80.0	80.0
48		73.2	73.2
54		67.2	67.2
60		62.5	62.5
66		57.9	57.9
72		53.3	53.3
36	126	80.0	80.0
42		79.1	79.1
48		70.2	70.2
54		63.4	63.4
60		58.1	58.1
66		53.9	53.9
68		52.7	52.7
36	132	80.0	80.0
42		70.6	70.6
48		63.4	63.4
54		58.0	58.0
60		53.7	53.7
65		50.3	50.3
36	138	74.1	74.1
42		65.1	65.1
48		58.5	58.5
54		53.4	53.4
60		49.4	49.4
62		48.0	48.0
36	144	67.8	67.8
42		59.6	59.6
48		53.4	53.4
54		48.7	48.7
60		45.0	45.0



ALLOWED LOCKRAIL CONFIGURATIONS:



LOCKRAIL NOTES:

- LOCKRAILS ARE LIMITED TO A MAXIMUM DESIGN PRESSURE OF +/- 75 PSF.
- LOCKRAIL MAY BE USED AT ANY LOCATION ON THE PANEL SUCH THAT THE TESTED SQUARE FOOTAGE OF THE OPAQUE INFILL PANEL IS NOT EXCEEDED.
 - TESTED INFILL PANEL SIZE (W x H):
53" x 67.04" = 24.67 SQ. FT.
- LOCK RAIL USE SHALL BE LIMITED TO PANELS 60" WIDE OR LESS.



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DESIGN PRESSURE TABLE

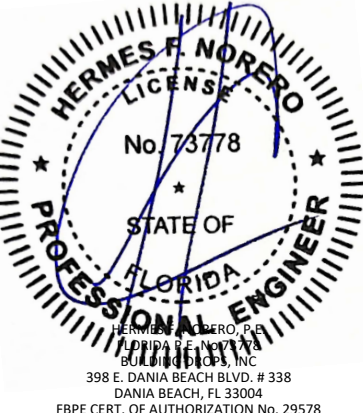
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REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

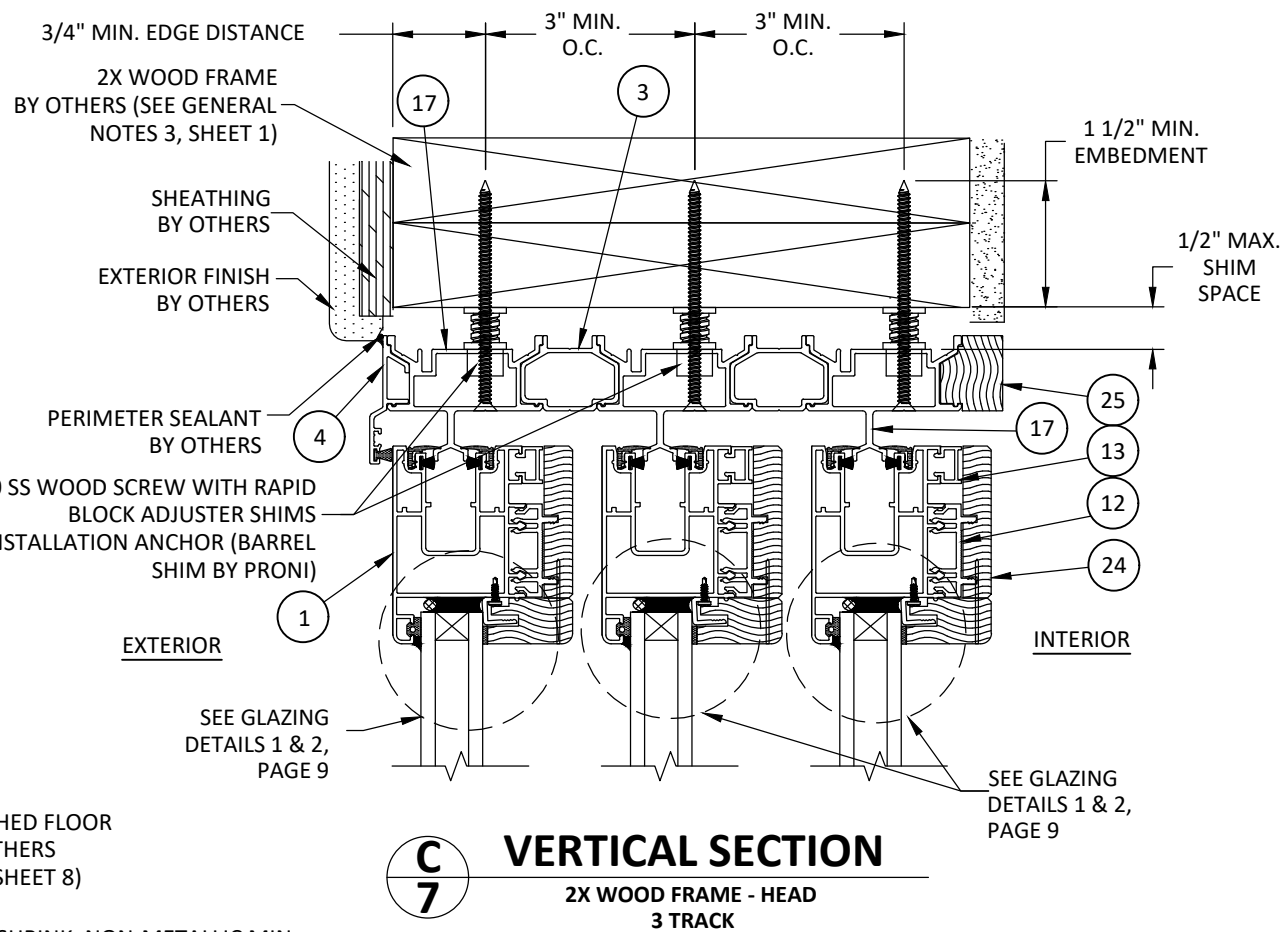
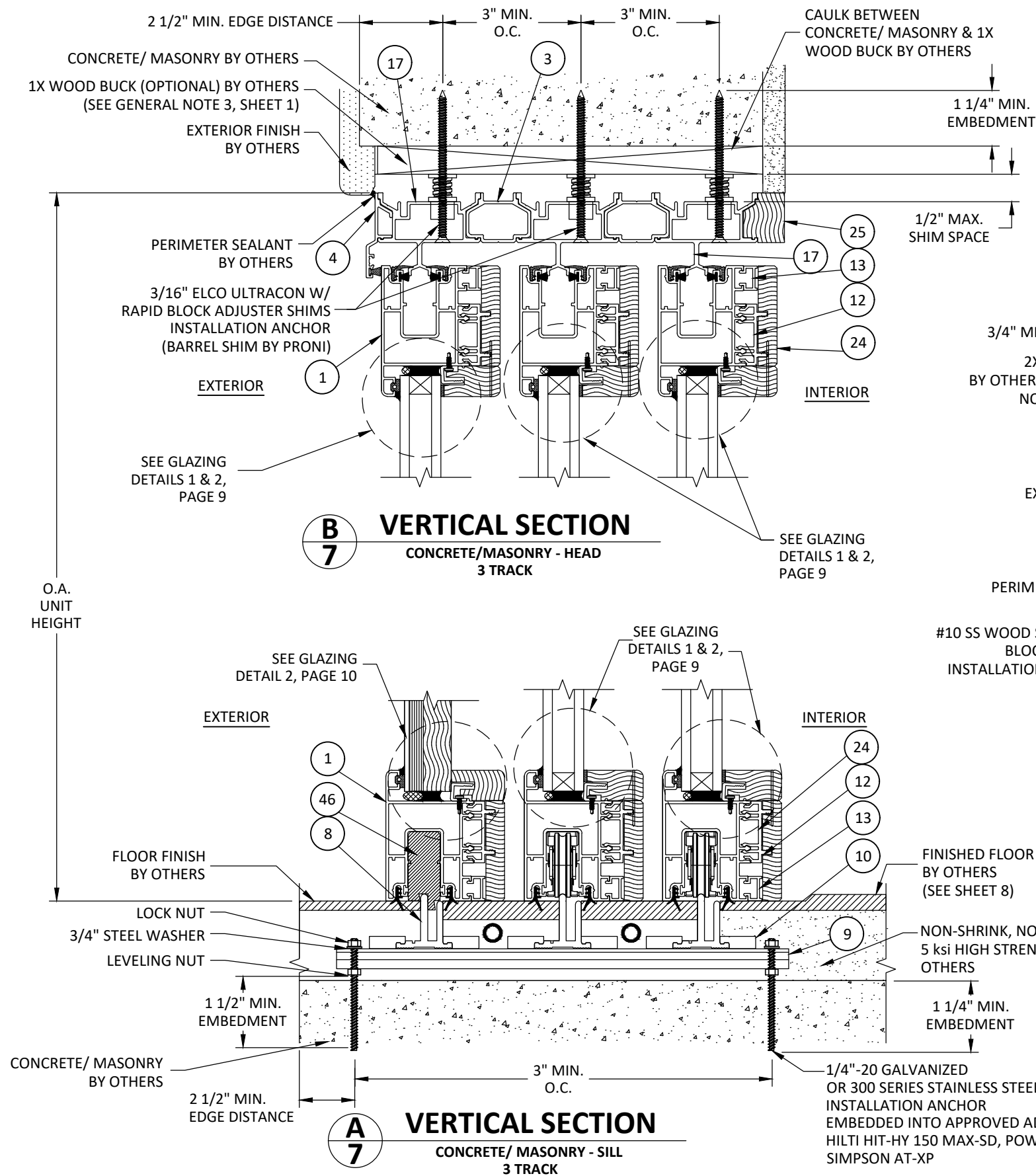
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FL #:	FL17559
DATE:	02.11.15
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SM	HFN
SCALE:	NTS
DWG. #:	WSD006
SHEET:	

6

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- FOR INSTALLATION INTO PRESSURE TREATED WOOD AT SILL USE #14 STAINLESS STEEL WOOD SCREWS OR 1/4" GALVANIZED OR STAINLESS STEEL HANGER BOLT OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT. ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE OF 3/4" & 3" MIN. O.C. SPACING. MAXIMUM SHIM SPACE TO BE 1/2".
- REFER TO SHEET 18 FOR ALTERNATE TRACK DETAILS.



1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE: LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

VERTICAL SECTIONS

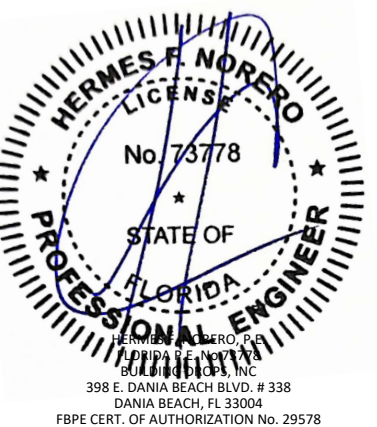
PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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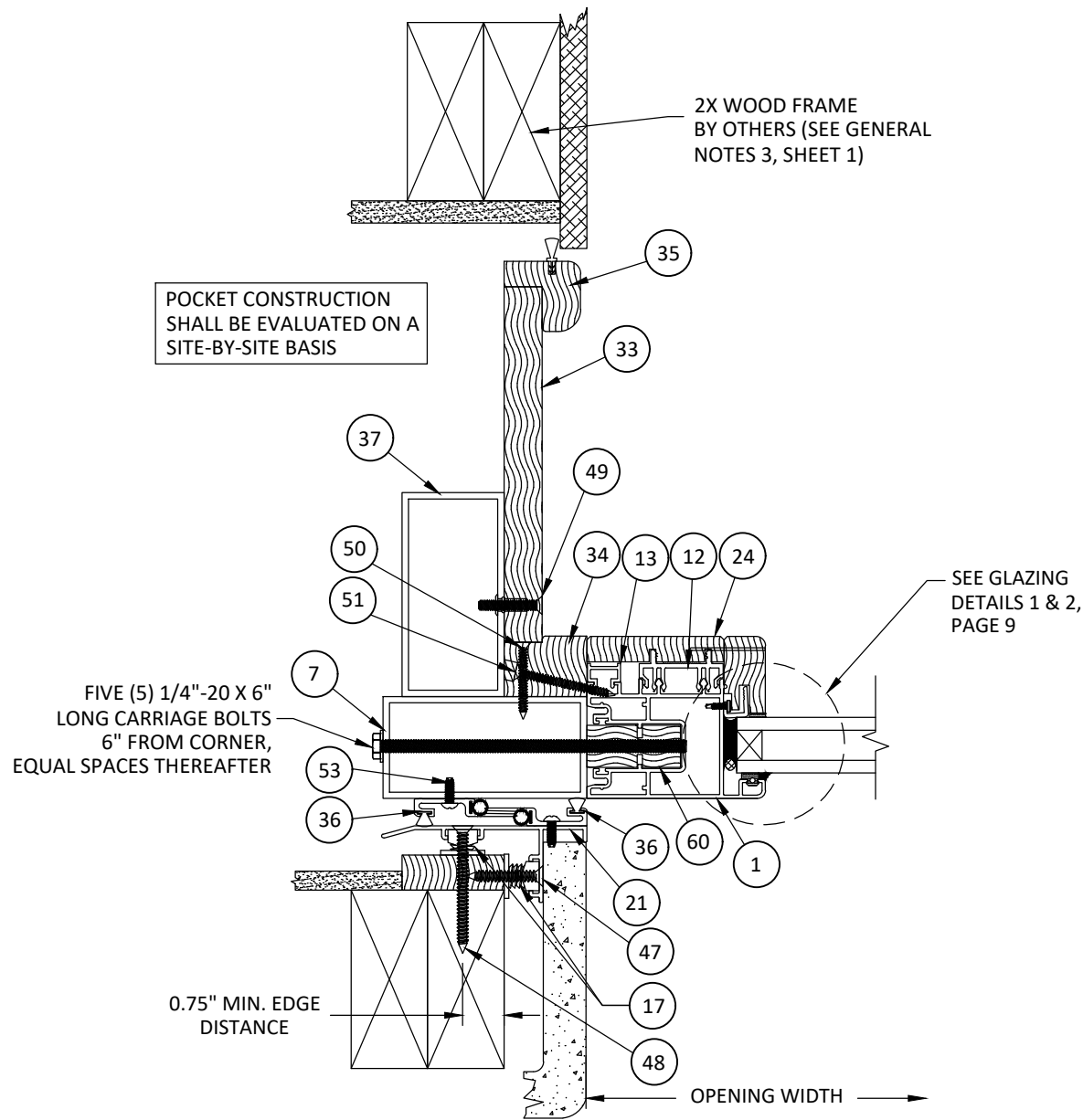
REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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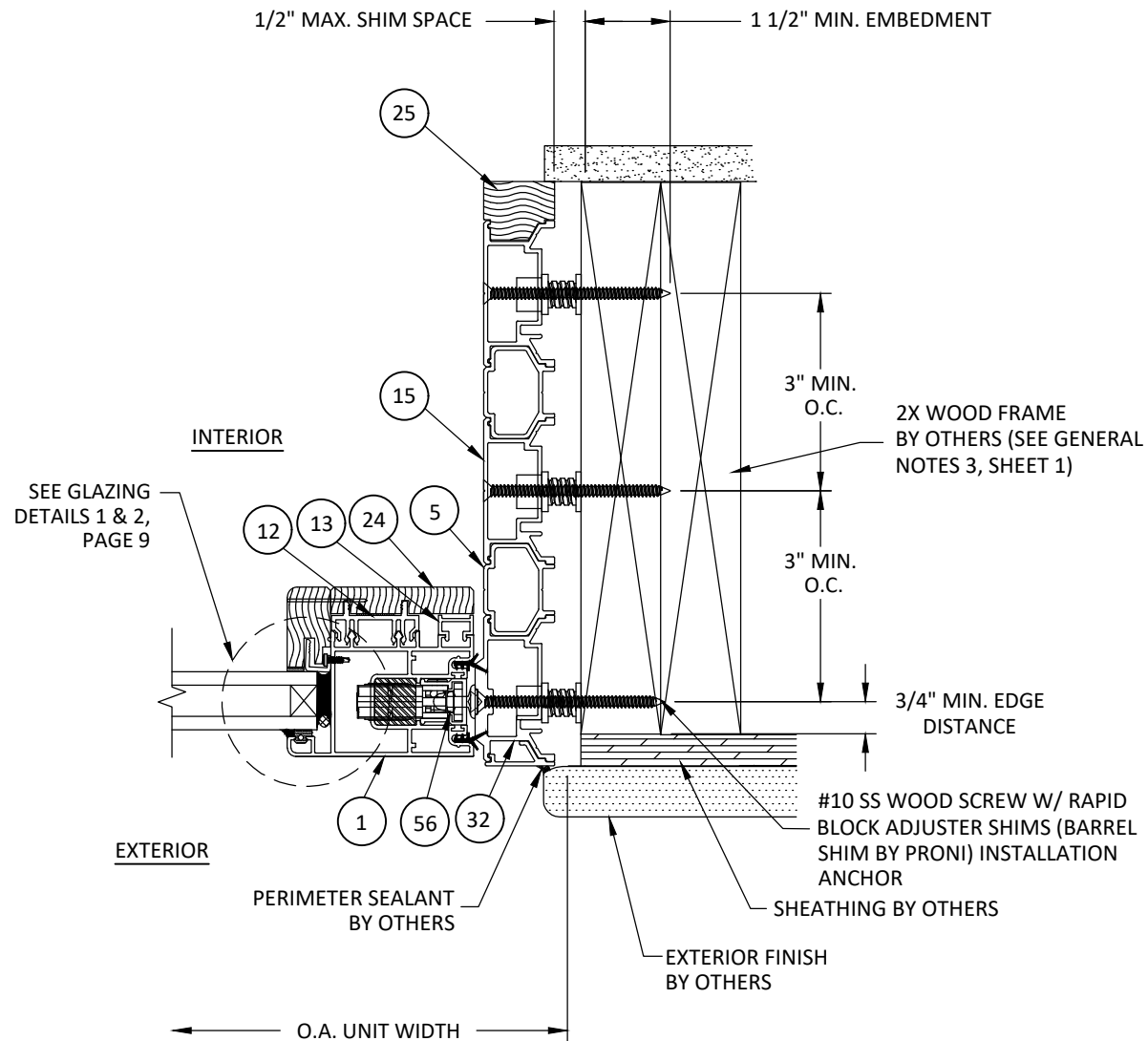


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SCALE:	NTS
DWG. #:	WSD006
SHEET:	7

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D
8 **HORIZONTAL SECTION**
POCKET JAMB W/ HOOKSTRIP



E
8 **HORIZONTAL SECTION**
2X WOOD FRAME - JAMB



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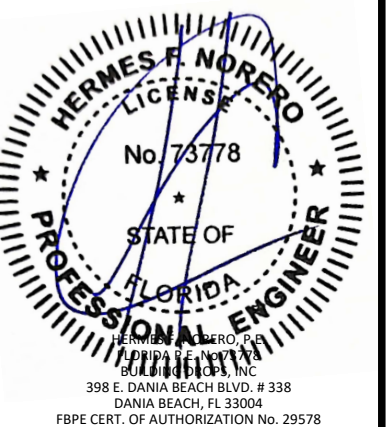
TITLE: **LIFTSIDE DOOR**
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

HORIZONTAL SECTIONS

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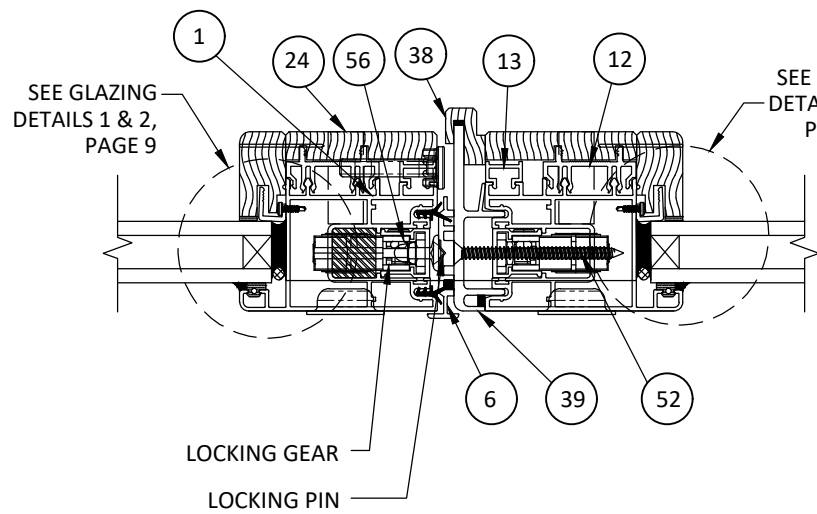
REMARKS	BY	DATE
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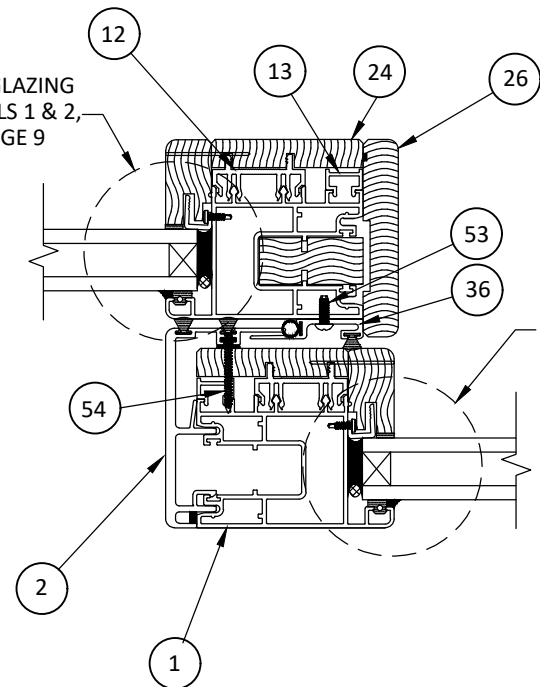


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DWG. #:	WSD006
SHEET:	8

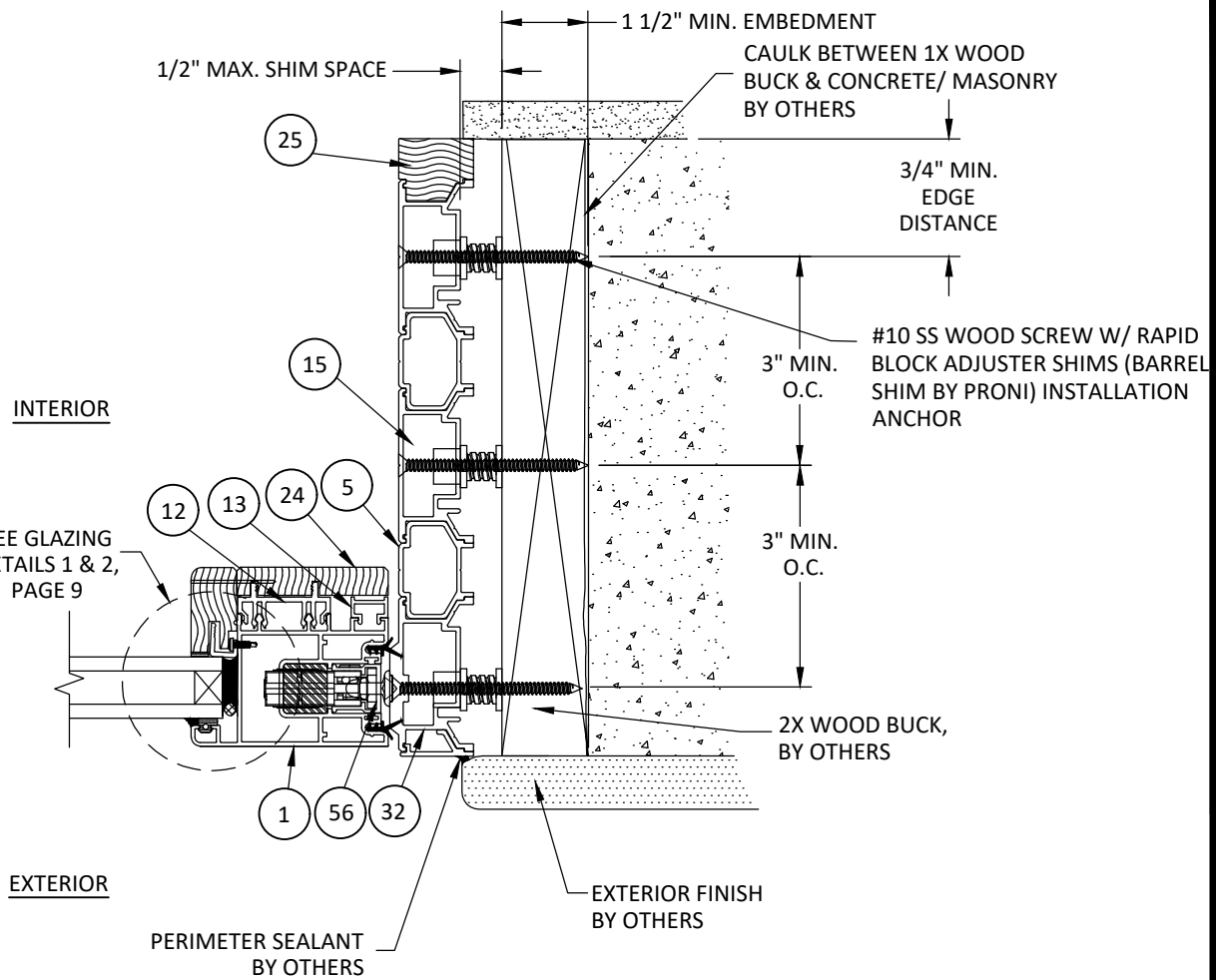
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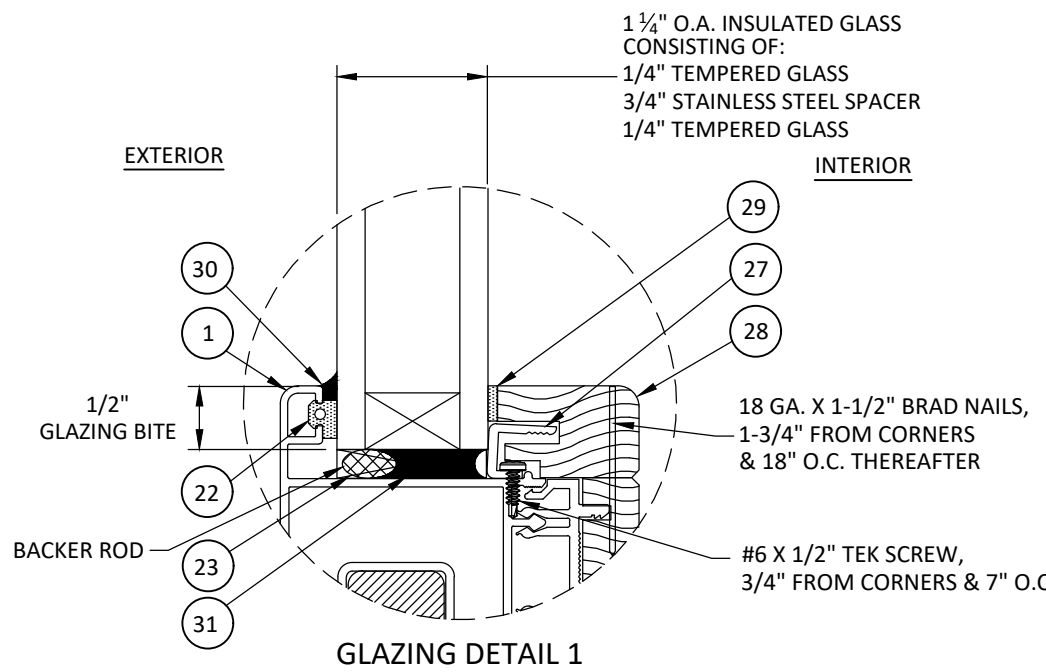
F
9 **HORIZONTAL SECTION**
PANEL BUTT STILE



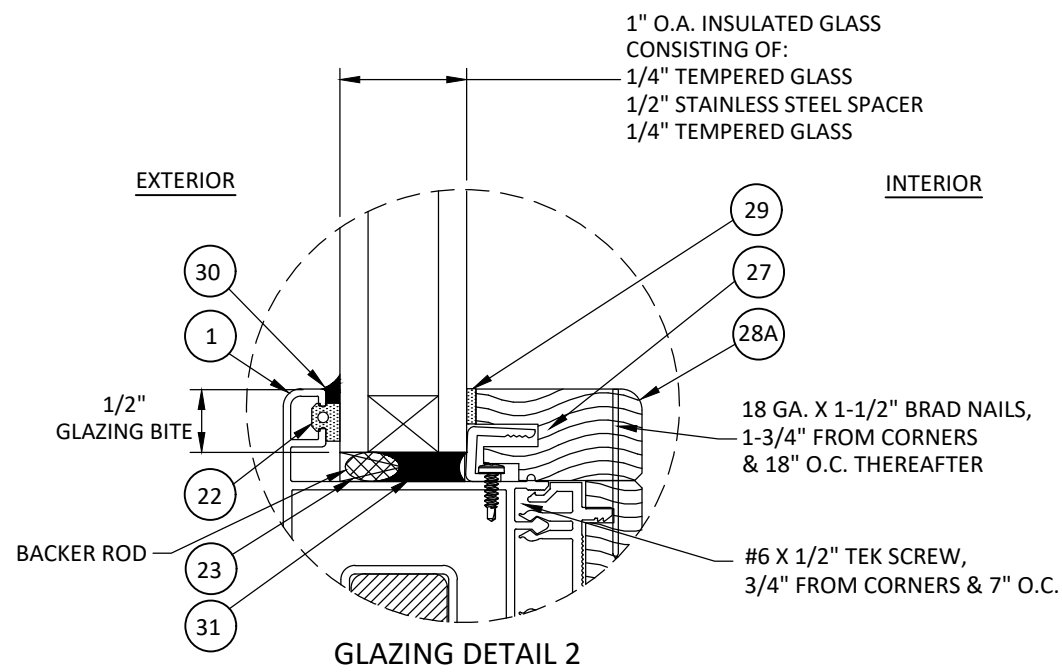
G
9 **HORIZONTAL SECTION**
PANEL INTERLOCK



H
9 **HORIZONTAL SECTION**
2X BUCK / CONCRETE/MASONRY - JAMB
3 TRACK



GLAZING DETAIL 1



GLAZING DETAIL 2

- GLAZING NOTES:
1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS.
 2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 4. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC



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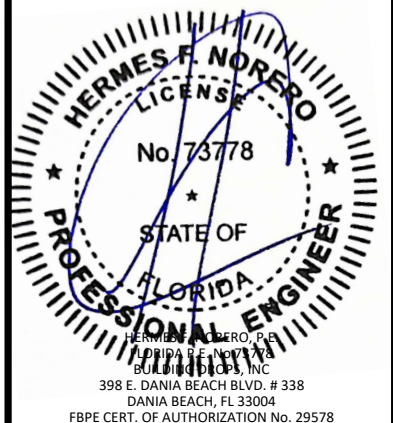
TITLE: **LIFTSIDE DOOR**
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

HORIZONTAL SECTIONS
& GLAZING DETAIL

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REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
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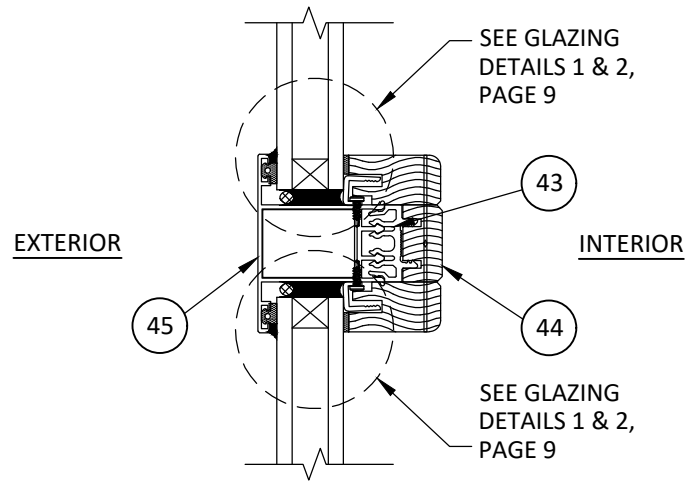
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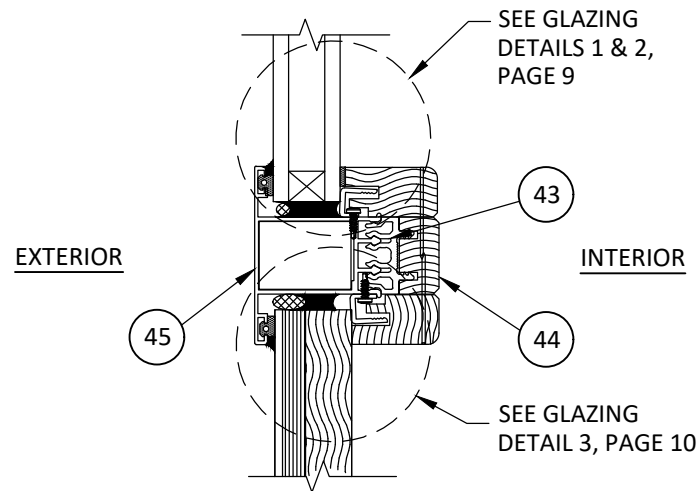
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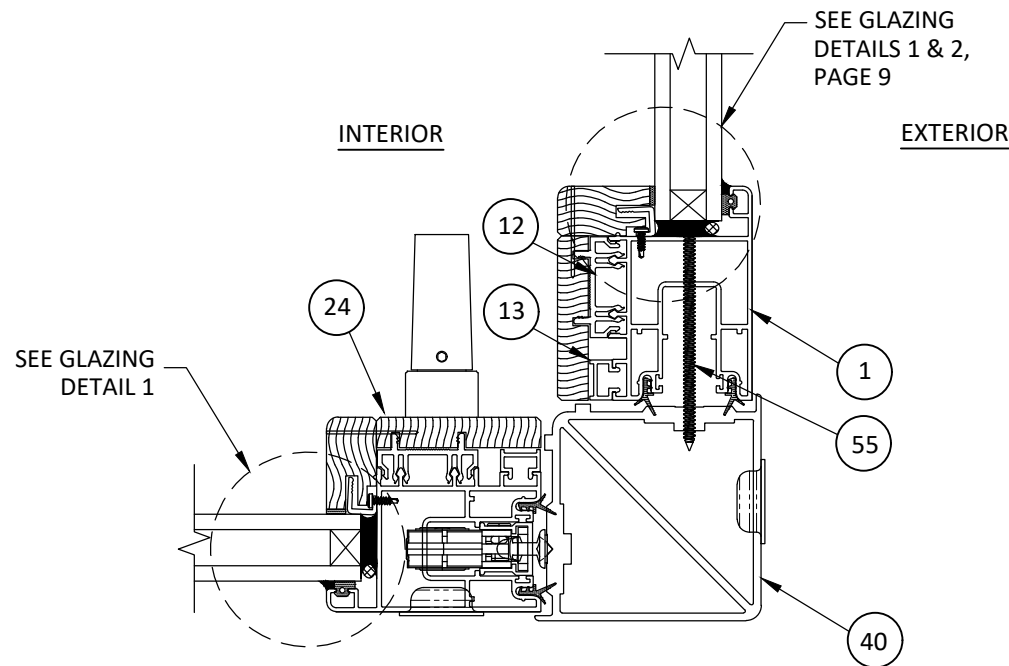
OF 18



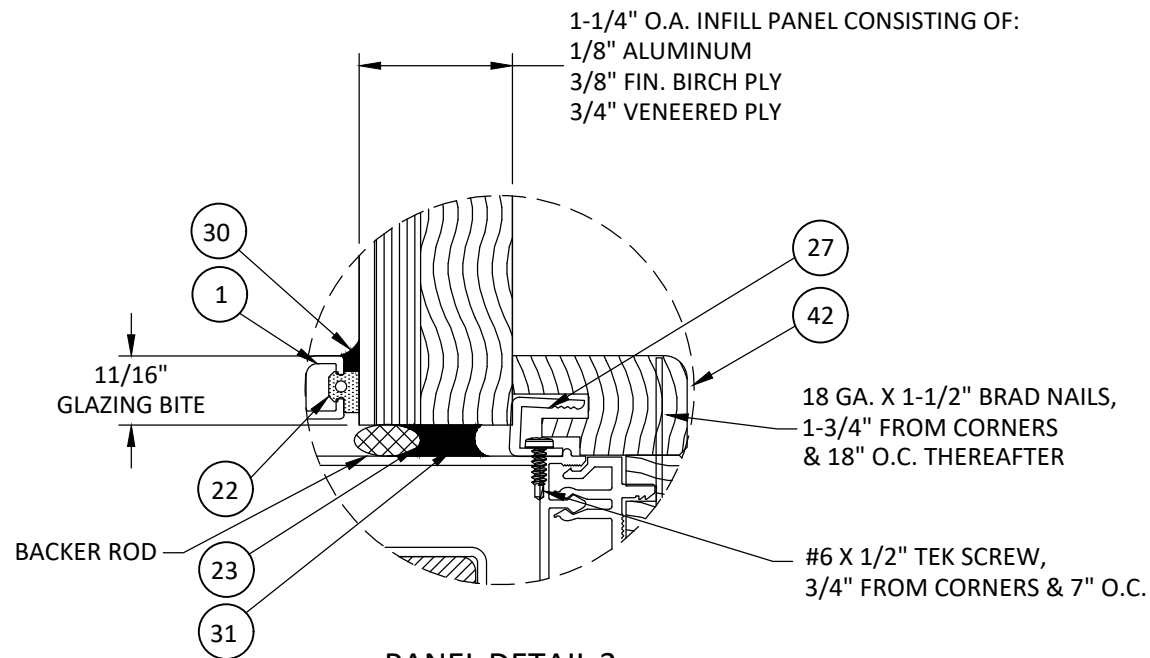
J
10 **VERTICAL SECTION**
MIDRAIL - GLASS OVER GLASS



K
10 **VERTICAL SECTION**
MIDRAIL - GLASS OVER INFILL PANEL



I
10 **HORIZONTAL SECTION**
CORNER POST



PANEL DETAIL 3
MAX. SIZE LIMITED TO 'HALF PANEL' OR LESS CONFIGURATIONS
SEE DIAGRAM ON SHEET 6



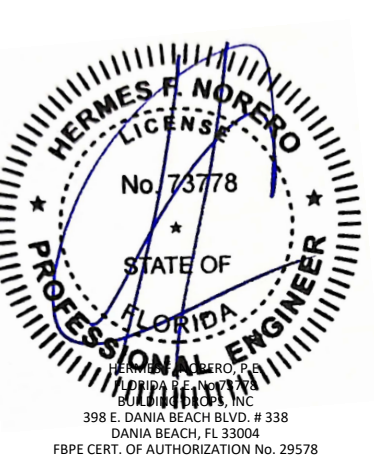
1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE: **LIFTSIDE DOOR**
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)
VERTICAL & HORIZONTAL SECTIONS
& GLAZING DETAIL

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REMARKS	BY	DATE
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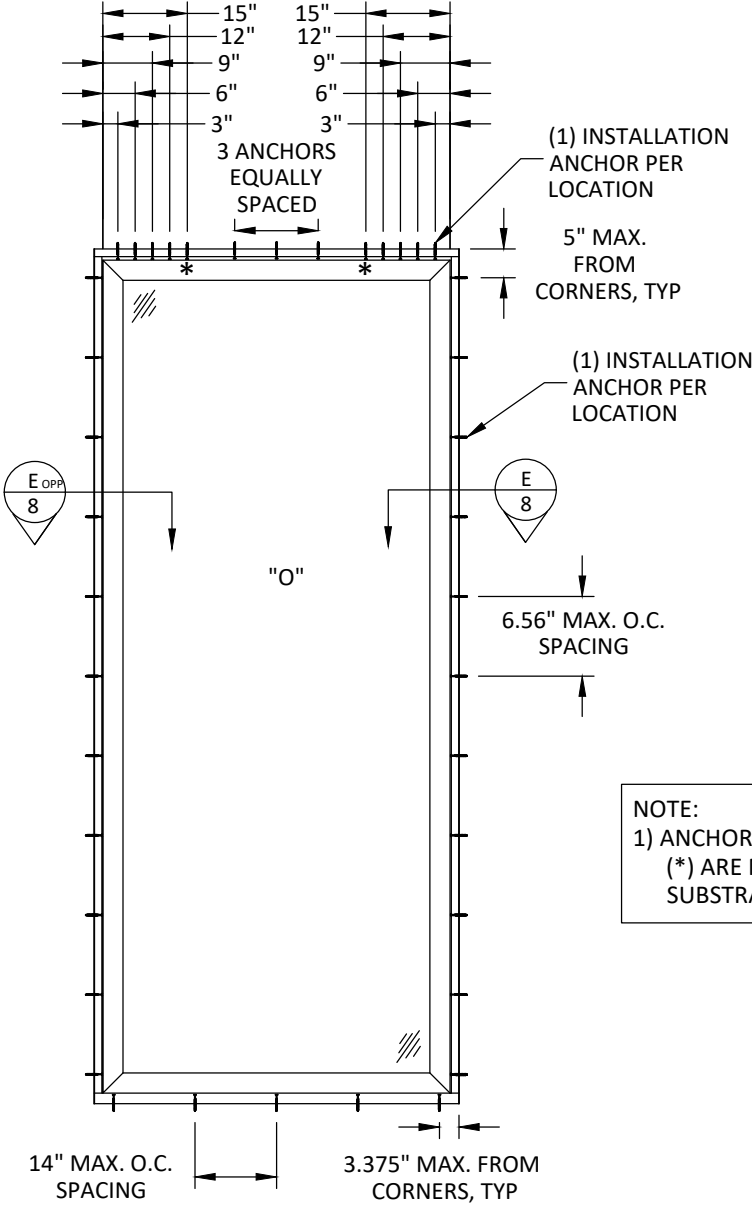
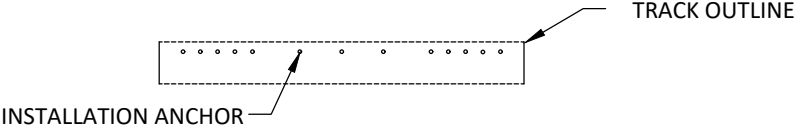
DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WSD006**

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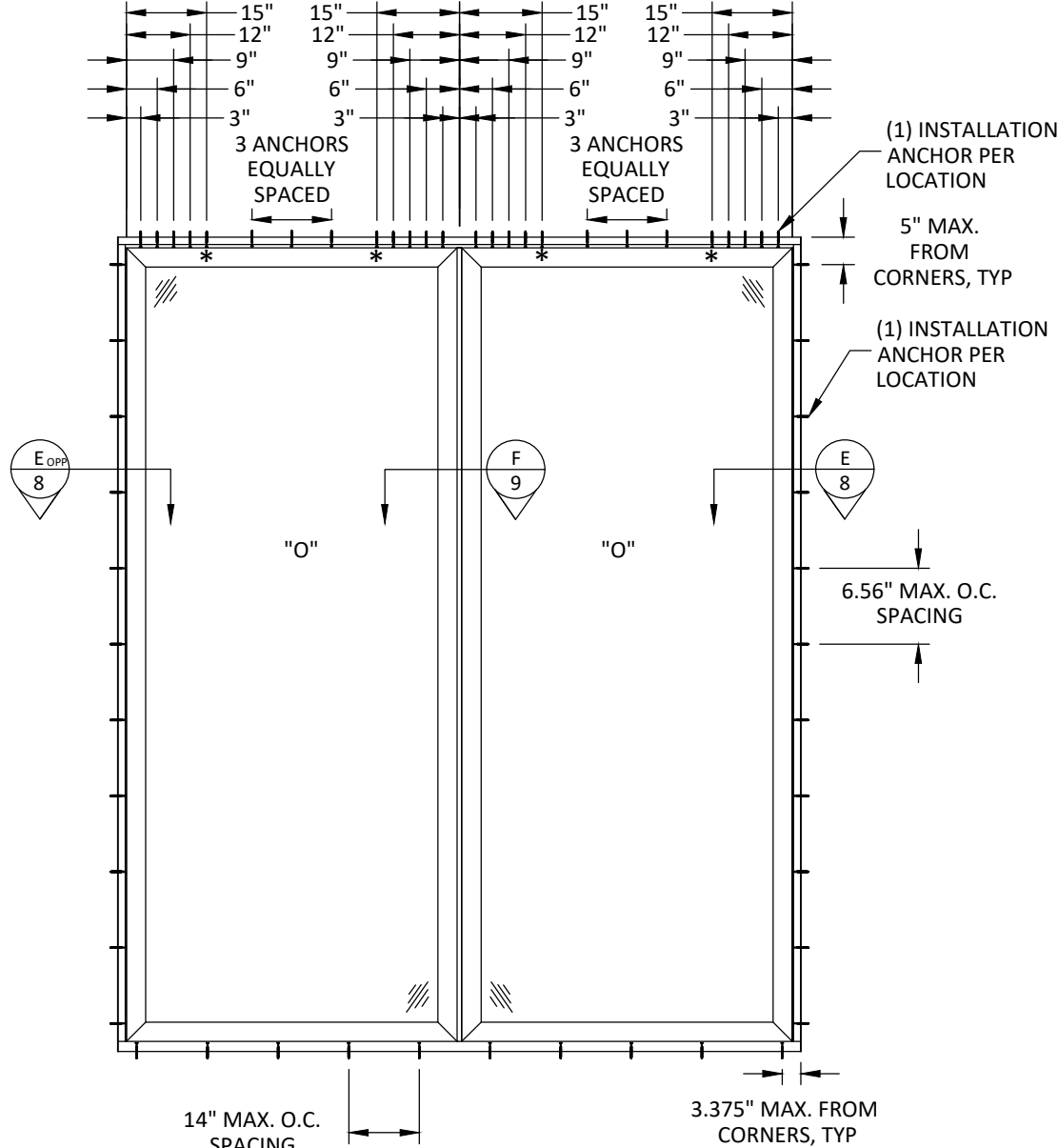
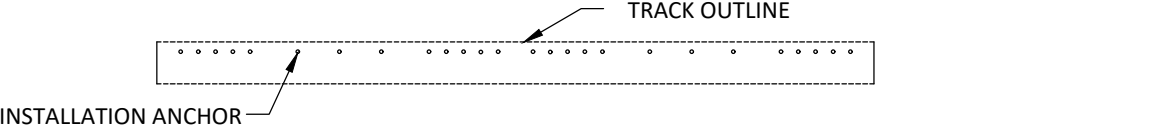
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ANCHOR LAYOUT
SINGLE FIXED PANEL

NOTE:
1) ANCHOR LOCATIONS AT THE HEAD MARKED WITH AN ASTERISK (*) ARE NOT REQUIRED WHEN INSTALLING TO WOOD SUBSTRATE.

NOTE:
1) TESTED LOCK PIN HARDWARE SHALL BE USED TO ATTACH PANEL(S) TO JAMBS.
2) TESTED MEETING STILE HARDWARE SHALL BE USED ON DOUBLE FIXED DOORS.
3) ONE (1) SHOOT BOLT PER MEETING CONDITION, NONE REQUIRED AT JAMB CONDITION.



ANCHOR LAYOUT
DOUBLE FIXED PANEL



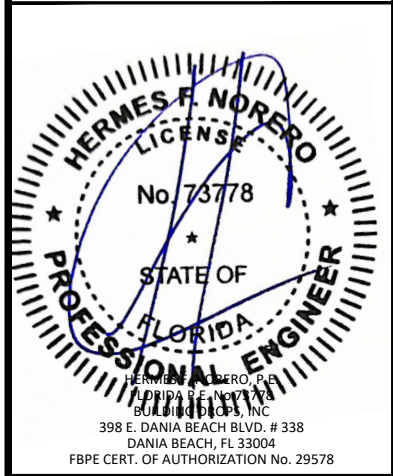
1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
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TITLE:
LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)
VERTICAL & HORIZONTAL SECTIONS
& GLAZING DETAIL 3

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REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
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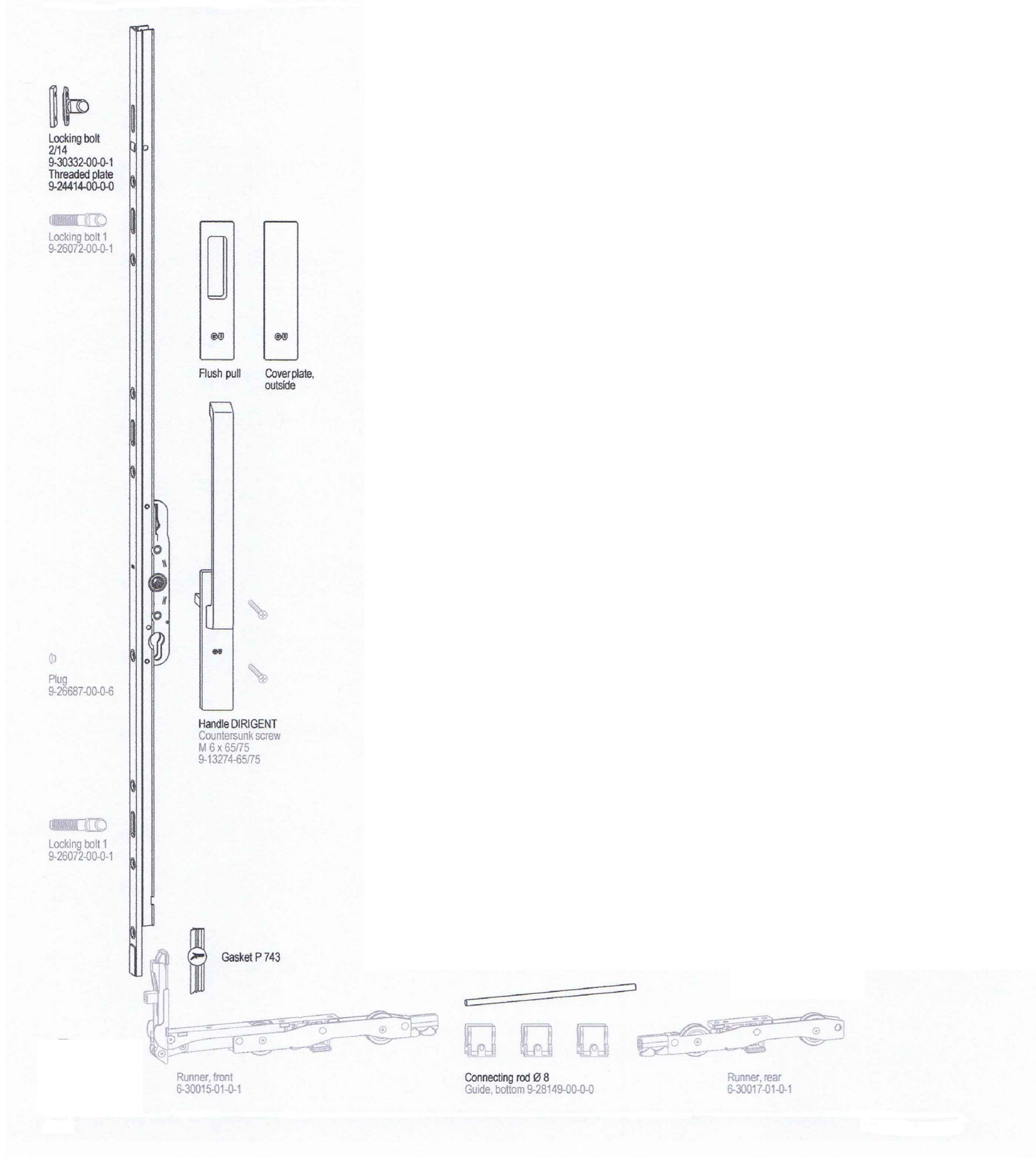
DWG. BY: SM
CHK. BY: HFN

SCALE: NTS

DWG. #: WSD006

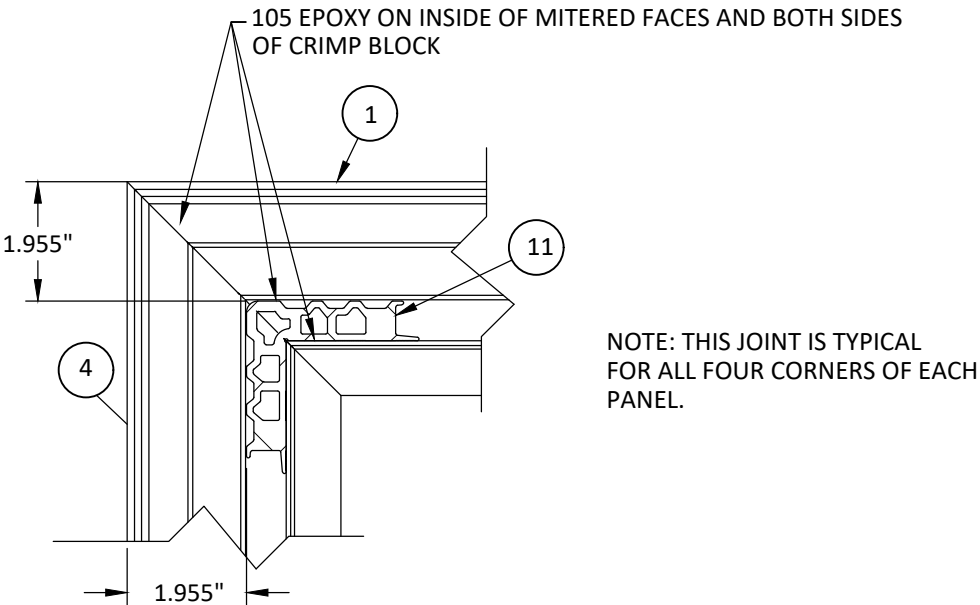
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11
OF 18

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12

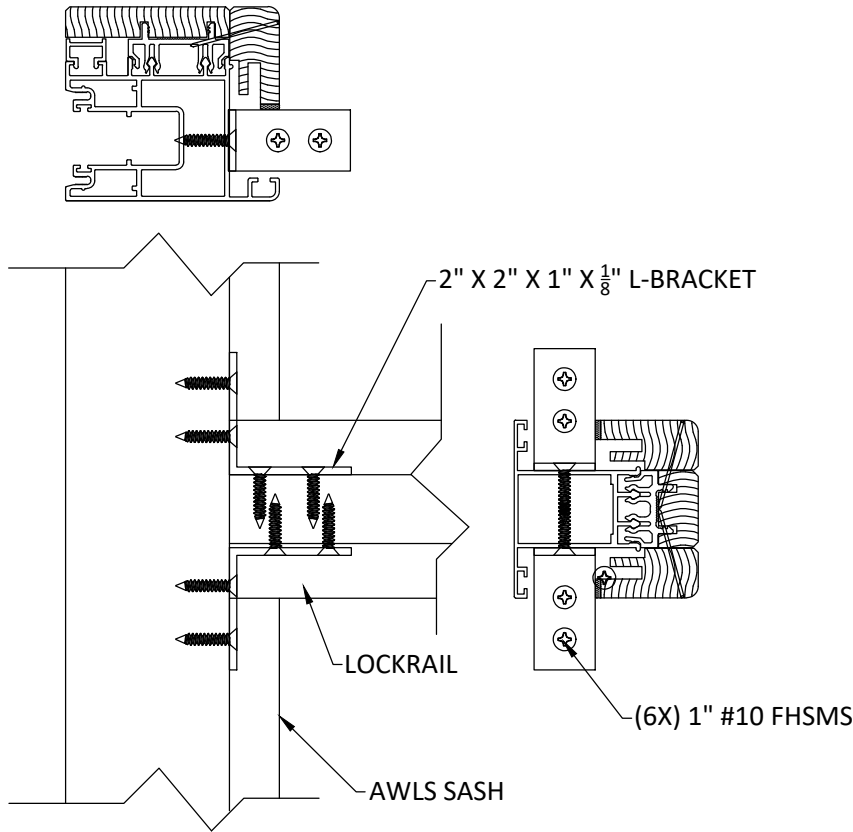
GU HARDWARE



NOTE: THIS JOINT IS TYPICAL FOR ALL FOUR CORNERS OF EACH PANEL.

M
12

PANEL CORNER ASSEMBLY



LOCKRAIL ATTACHMENT DETAIL



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TITLE: LIFTSLIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

GU HARDWARE,
CORNER ASSEMBLY,
& LOCKRAIL ATTACHMENT

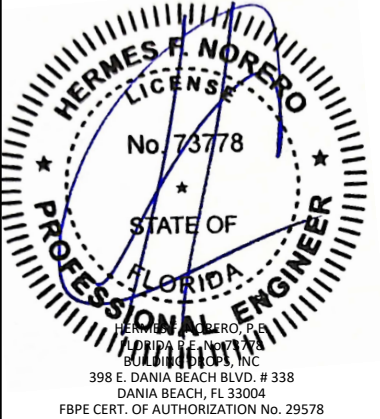
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REMARKS	BY	DATE
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HFN

SCALE: NTS

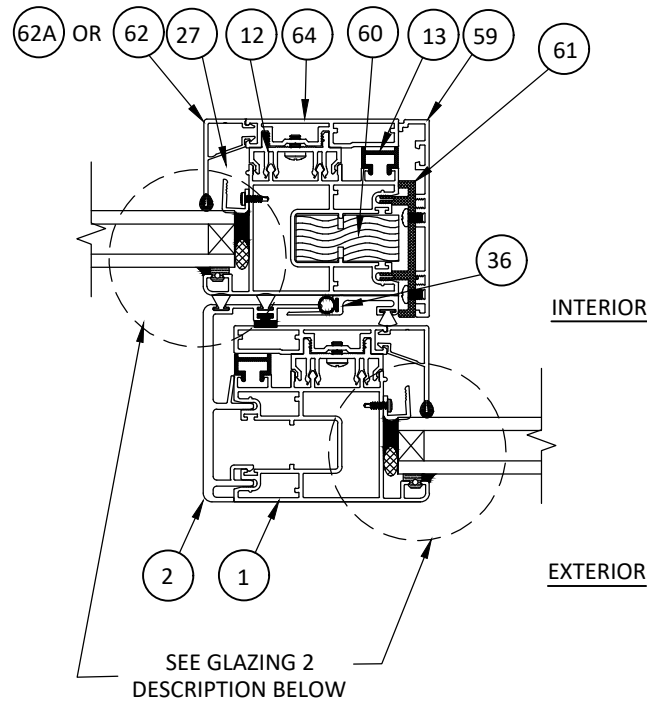
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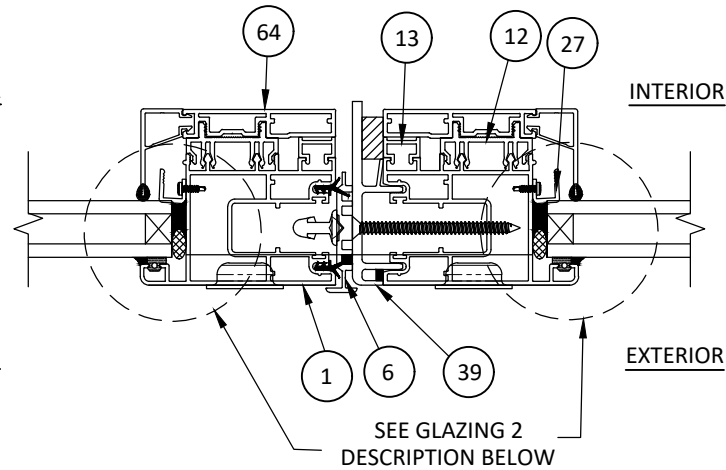
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OF 18

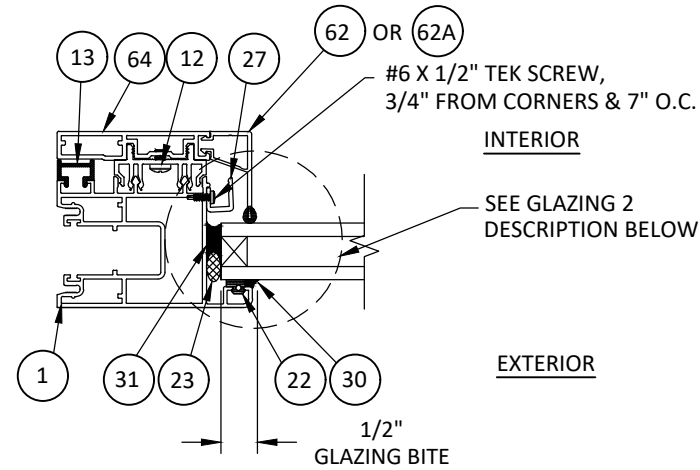
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ALS-T INTERLOCK DETAIL



ALS-T MEETING STILES DETAIL

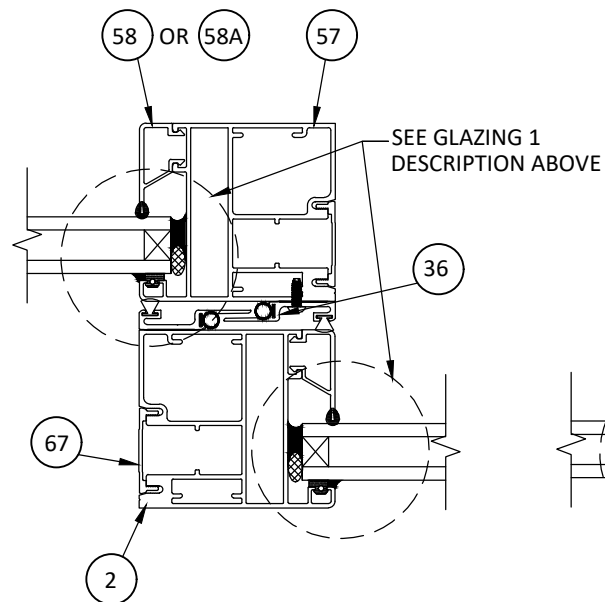


ALS-T RAIL / STILE DETAIL

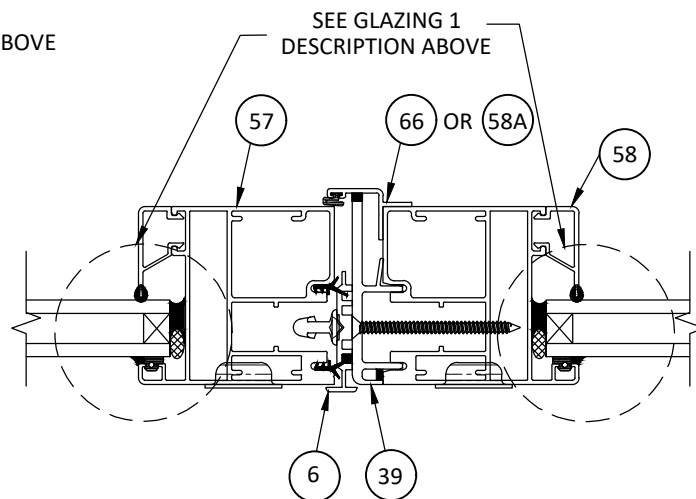
SEE SHEET 9 FOR SIMILAR DETAILS.

- NOTES:
- 1) DETAILS SHOWN ON THIS PAGE ARE REPRESENTATIVE OF THE COMPONENTS USED AT ALL MEMBERS OF THE LIFTSIDE DOOR.
 - 2) ALS-T AND ALS PROFILES MAY BE USED AS AN ALTERNATIVE TO ANY AWLS FRAME IN THE CONFIGURATIONS APPROVED WITHIN THIS DOCUMENT.

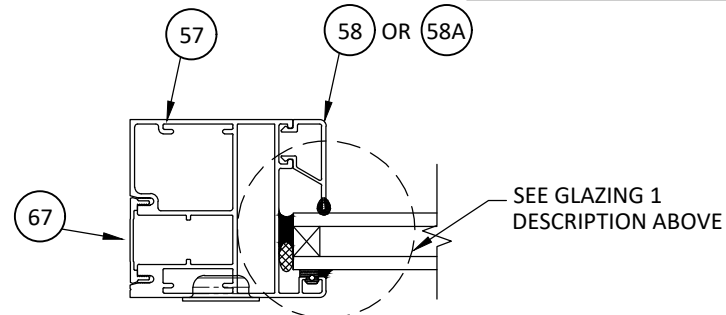
- GLAZING OPTION 1:
1 1/4" O.A. INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS
3/4" STAINLESS STEEL SPACER
1/4" TEMPERED GLASS
- GLAZING OPTION 2:
1" O.A. INSULATED GLASS CONSISTING OF:
1/4" TEMPERED GLASS
1/2" STAINLESS STEEL SPACER
1/4" TEMPERED GLASS



ALS INTERLOCK DETAIL



ALS MEETING STILES DETAIL



ALS RAIL / STILE DETAIL



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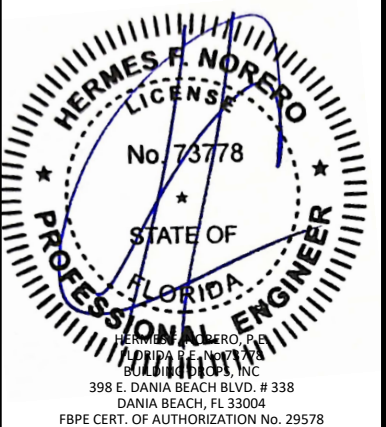
ALS & ALS-T DETAILS

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REMARKS	BY	DATE
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SHEET:	13

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BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	PART NO.
1	LS STILE / RAIL	6063-T5	1020
2	LS REAR INTERLOCK EXTRUSION	6063-T5	1240
3	LS KEY EXTRUSION	6063-T5	1023
4	LS EXTERIOR FASCIA TOP EXTRUSION	6063-T5	1244
5	NOT USED	-	-
6	LS MEETING STILE ADAPTOR	6063-T5	1026
7	LS FOLLOWER EXTRUSION	6063-T5	1035
8	LS DRAINAGE TRACK	6005-T5	1107
9	LS BRIDGE	6063-T5	1037
10	LS BRIDGE CLIP	6063-T5	20413-01
11	AWLS CRIMP BLOCK	6063-T5	1181
12	LARGE CLIP	PVC	40126
13	H-BAR	PVC	40146
14	TOP GUIDE	6063-T5	1018
15	JAMB EXTENSION	6063-T5	1017
16	JACKING SCREWS	STEEL	20228
17	JACKING SCREWS	PLASTIC	20229
18	HURRICANE SHOOT BOLT ASSEMBLY	ALUMINUM, STEEL	-
19	105 EPOXY RESIN	EPOXY	-
20	NOT USED		
21	POCKET INTERLOCK	6063-T5	1019
22	L/S GLAZING GASKET	EPDM	40106
23	SETTING BLOCKS 1/4" - 1 5/8" X 2"	NEOPRENE	NSB 85D
24	WOOD CLADDING	WOOD	5001
25	INTERIOR WOOD FASCIA	WOOD	5006
26	REAR WOOD CLADDING	WOOD	5005
27	J-CLIP (ATTACHED TO PANEL WITH #6 X 1/2" TEK SCREWS, 3/4" FROM CORNERS & 7" O.C.)	PVC	40201
28 - 28A	1 ¼" OR 1" I.G. WOOD GLAZING BEAD	WOOD	5003Cm
29	ADHESIVE FOAM GASKET	FOAM	
30	DOW 995 OR DOW 983 CAP BEAD	SILICONE	
31	DOW 995 OR DOW 983	SILICONE	
32	LOCKING AWLS JAMB EXTRUSION	6063-T5	1022
33	SKIRT	WOOD	
34	BLOCK, SKIRT	WOOD	5012
35	TRIM, SKIRT, GROOVED	WOOD	5011
36	INTERLOCK FACE	6063-T5	1247
37	SKIRT BRACKET	6063-T5	20922
38	MEETING STILE CAP	WOOD	
39	STRENGTHENED MEETING STILE ADAPTOR	6063-T5	
40	90° CORNER POST	6063-T5	
41	NOT USED		
42	INFILL WOOD GLAZING BEAD	WOOD	
43	SMALL CLIP	PVC	40150
44	LOCKRAIL INTERIOR CLADDING	WOOD	5007
45	LOCKRAIL	6063-T5	1034

ITEM NO.	DESCRIPTION	MATERIAL	PART NO.
46	BLOCK, ANTI-DERAILLEUR, FIXED, DRAINAGE	6061-T5	SHOP 205
47	#10 x 1-1/2" FHSMS		
48	#10 x 2-1/2" FHSMS		
49	#10-24 x 1-1/4" FHMS WITH RIVET NUT		
50	#8 x 1-1/2" FHSMS		
51	#8 x 2" FHSMS		
52	#12 x 3" FHSMS		
53	#8-32 x 1/2" PHTFS		
54	#6 SS FHSMS		
55	#10 x 3-1/2" PHSMS		
56	#10 - 32 x 3/4" F POINT SELF-TAPPING SCREWS		
ALS-T COMPONENTS			
59	ALUMINUM REAR COVER	6063-T5	
60	LS WOOD BLOCK	WOOD	
61	CLIP	PVC	
62 - 62A	ALS-T GLASS STOP	6063-T5	
63	ALUMINUM STRIP	6063-T5	
64	ALUMINUM CLADDING	6063-T5	
ALS COMPONENTS			
57	ALS STILE / RAIL	6063-T5	
58 - 58A	1 ¼" OR 1" IG ALS GLASS STOP	6063-T5	
66	ALS RAIL/STILE COVER	6063-T5	
67	ALS MEETING STILE INTERIOR COVER	6063-T5	
ALTERNATE TRACK COMPONENTS			
68	FLUSH TRACK	6005-T5	
69	SHORT TRACK	6005-T5	



1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE: LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-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
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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FL #:
FL17559

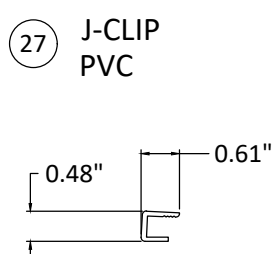
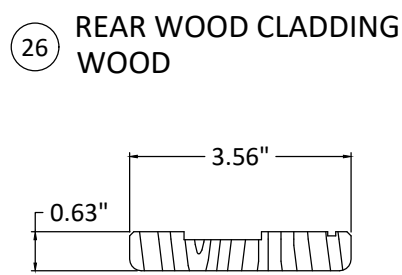
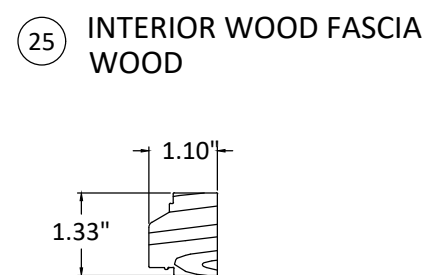
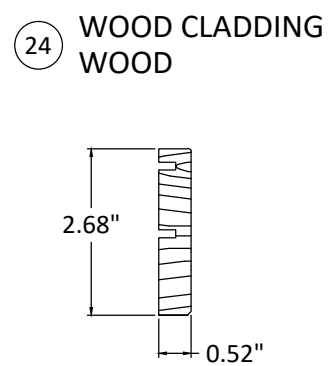
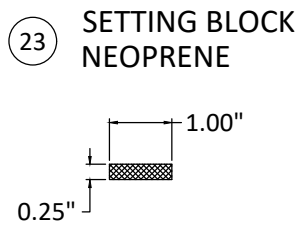
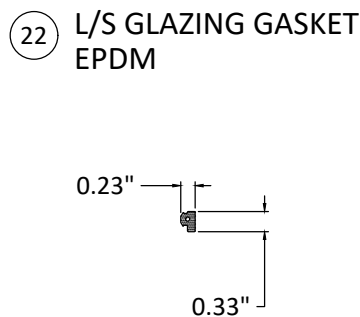
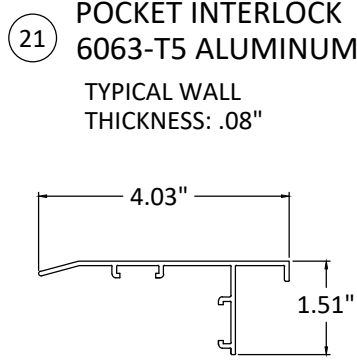
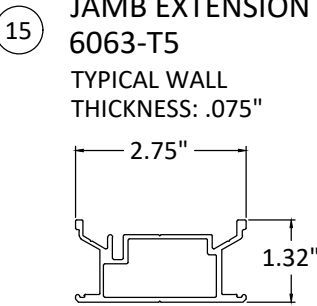
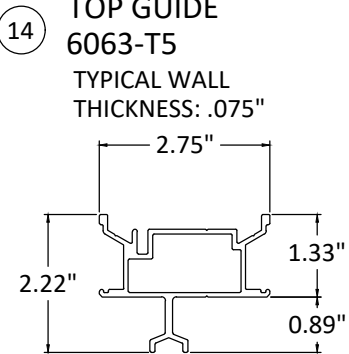
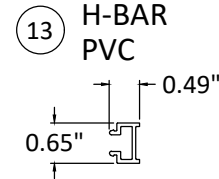
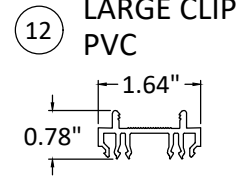
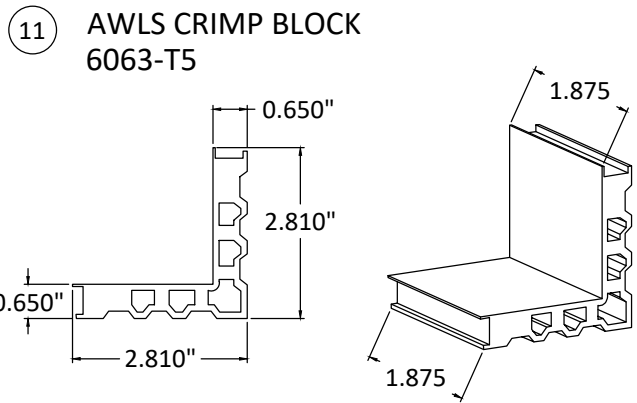
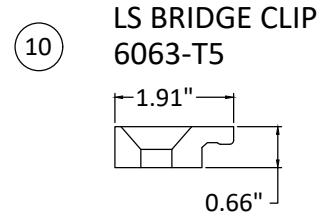
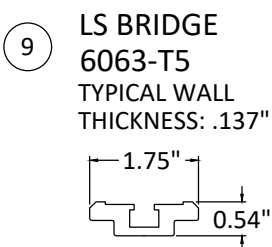
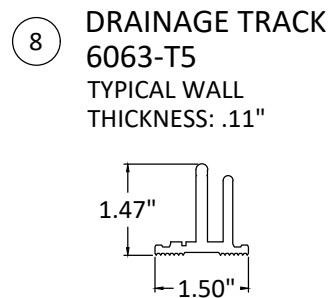
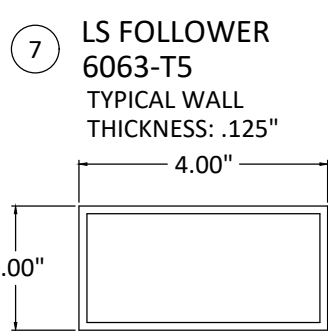
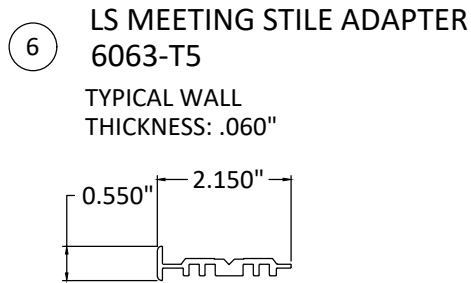
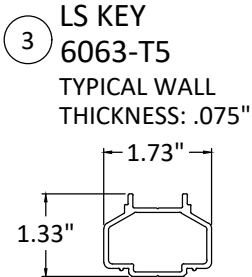
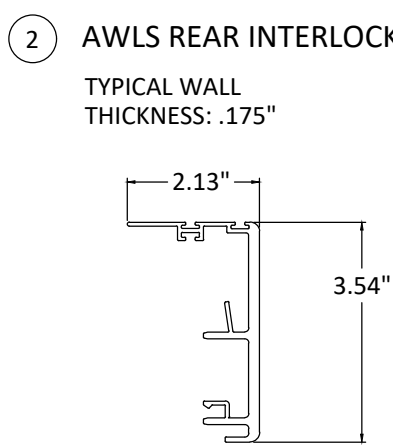
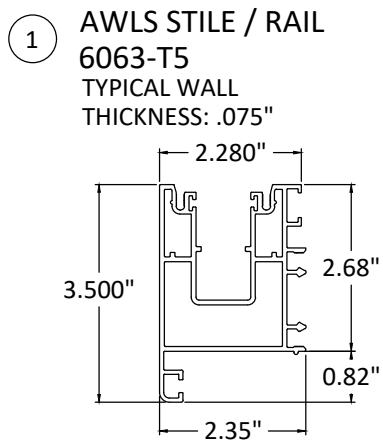
DATE: **02.11.15**

DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WSD006**

SHEET:
14



1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE:
LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

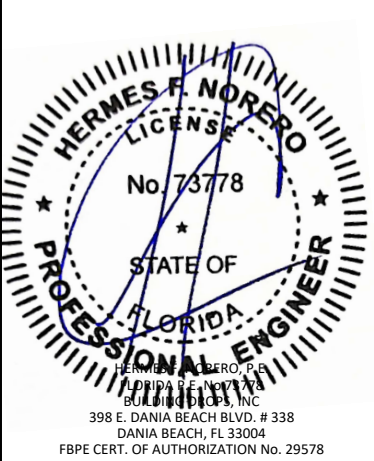
COMPONENTS

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

REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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FL #:
FL17559

DATE: **02.11.15**

DWG. BY: **SM** CHK. BY: **HFN**

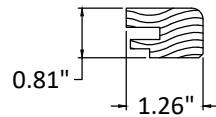
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DWG. #: **WSD006**

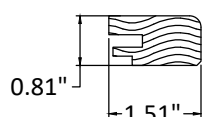
SHEET:
15
OF 18

6/9/2023 10:52 AM
z:\projects\weiland sliding doors\cc-23-0278 - fbc 2023 (8th edition) code change\dwg\fl17559\wso006 al wood clad awls - hvhz nldwg

28 1 1/4" IG GLAZING BEAD WOOD

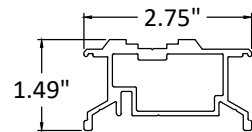


28A 1" IG GLAZING BEAD WOOD

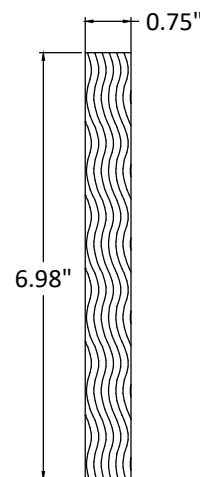


32 LOCKING AWLS JAMB EXT. 6063-T5

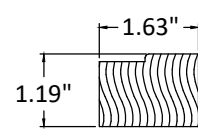
TYPICAL WALL THICKNESS: .08"



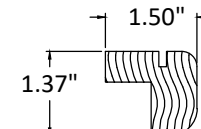
33 SKIRT WOOD



34 BLOCK, SKIRT WOOD

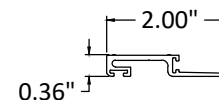


35 TRIM, SKIRT, GROOVED WOOD



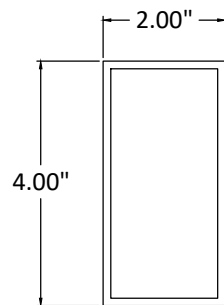
36 INTERLOCK FACE 6063-T5

TYPICAL WALL THICKNESS: .085"

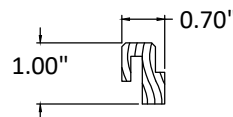


37 SKIRT BRACKET 6063-T5

TYPICAL WALL THICKNESS: .125"

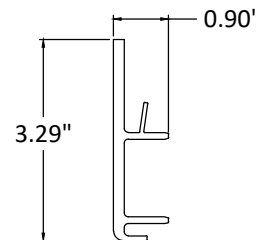


38 MEETING STILE CAP WOOD



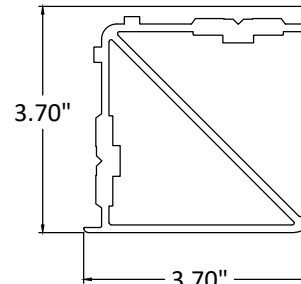
39 STRENGTHENED MEETING STILE ADAPTOR 6063-T5

TYPICAL WALL THICKNESS: .175"

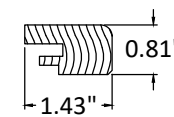


40 90° CORNER POST 6063-T5

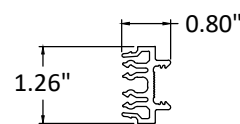
TYPICAL WALL THICKNESS: .125"



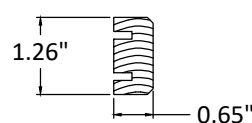
42 INFILL PANEL GLAZING BEAD WOOD



43 SMALL CLIP PVC

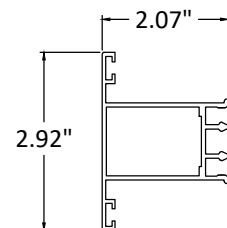


44 LOCKRAIL INT. CLADDING WOOD

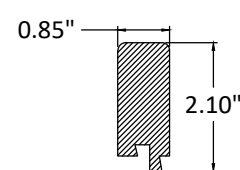


45 LOCKRAIL 6063-T5

TYPICAL WALL THICKNESS: .066"

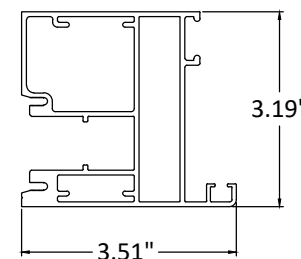


46 BLOCK, ANTI-DERAILLEUR, FIXED, DRAINAGE 6061-T5



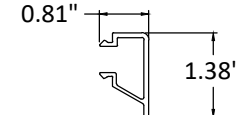
57 ALS STILE / RAIL 6063-T5

TYPICAL WALL THICKNESS: .079"



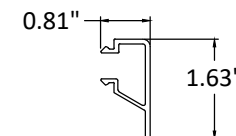
58 ALS 1 1/4" IG GLASS STOP 6063-T5

TYPICAL WALL THICKNESS: .079"



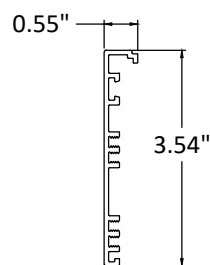
58A ALS GLASS STOP 6063-T5

TYPICAL WALL THICKNESS: .079"

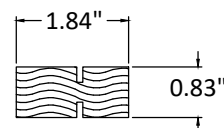


59 ALUMINUM REAR COVER 6063-T5

TYPICAL WALL THICKNESS: .075"

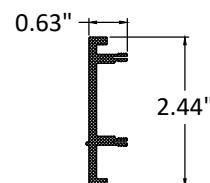


60 WOOD BLOCK



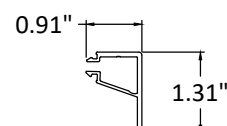
61 CLIP PVC

TYPICAL WALL THICKNESS: .125"



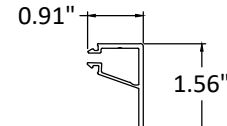
62 ALS-T 1 1/4" IG GLASS STOP 6063-T5

TYPICAL WALL THICKNESS: .075"

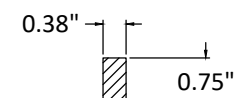


62A ALS-T 1" IG GLASS STOP 6063-T5

TYPICAL WALL THICKNESS: .075"

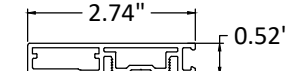


63 ALS-T GLASS STOP 6063-T5



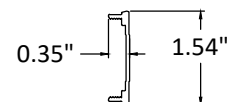
64 ALUMINUM CLADDING 6063-T5

TYPICAL WALL THICKNESS: .075"



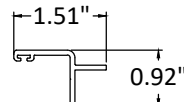
66 ALS RAIL/STILE COVER 6063-T5

TYPICAL WALL THICKNESS: .060"



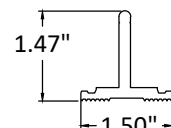
67 ALS MEETING STILE INTERIOR COVER 6063-T5

TYPICAL WALL THICKNESS: .060"



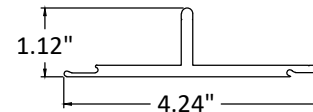
68 FLUSH TRACK 6005-T5

TYPICAL WALL THICKNESS: .1875"



69 SHORT TRACK 6005-T5

TYPICAL WALL THICKNESS: .1875"



1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE: LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

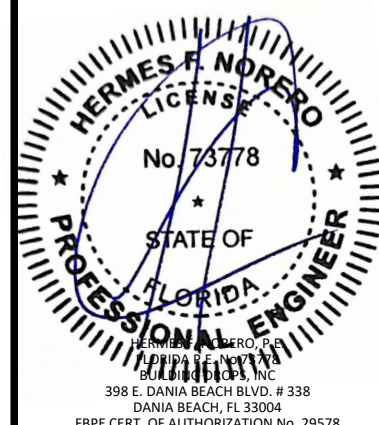
COMPONENTS

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



REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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FL #: FL17559

DATE: 02.11.15

DWG. BY: SM

CHK. BY: HFN

SCALE: NTS

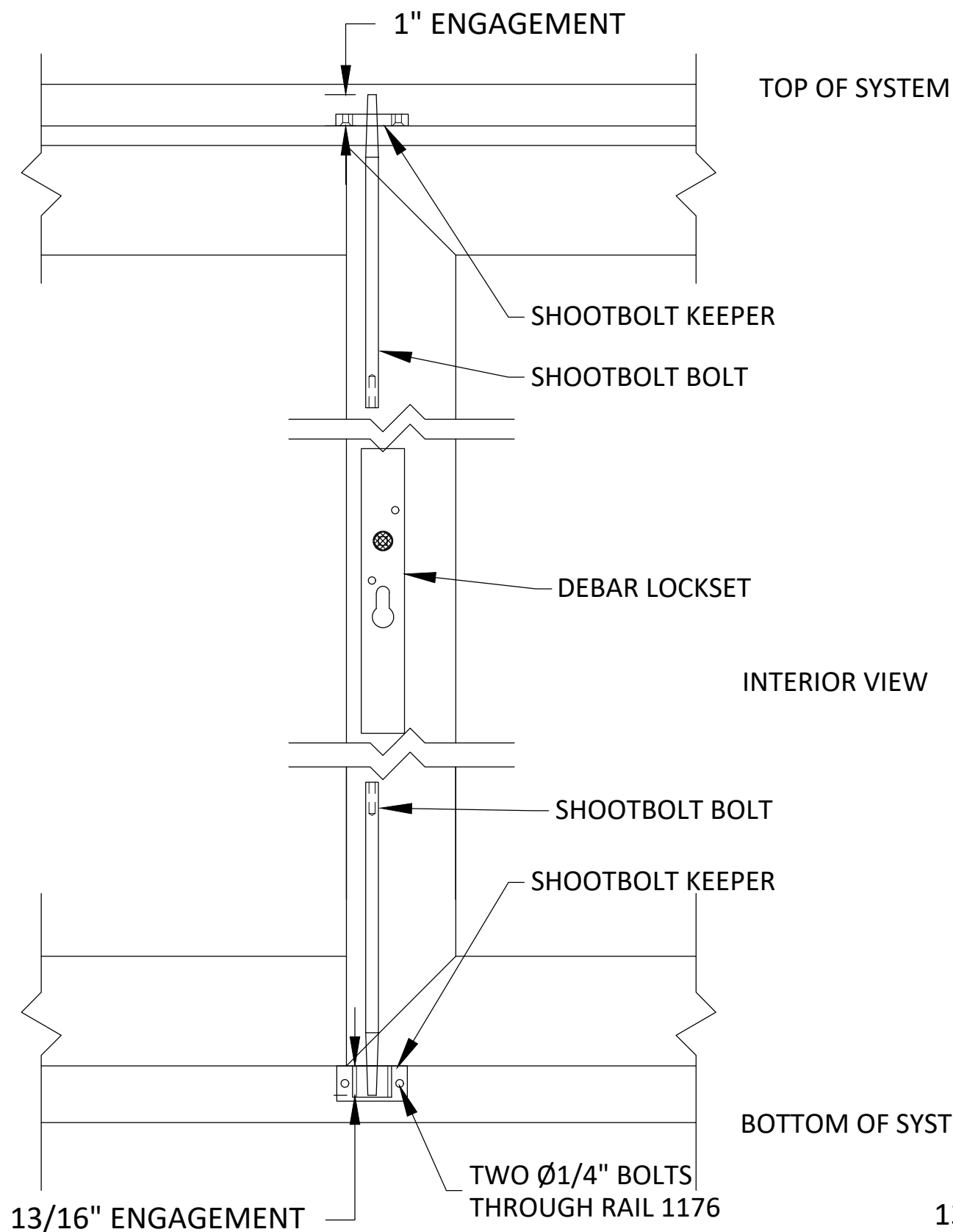
DWG. #: WSD006

SHEET:

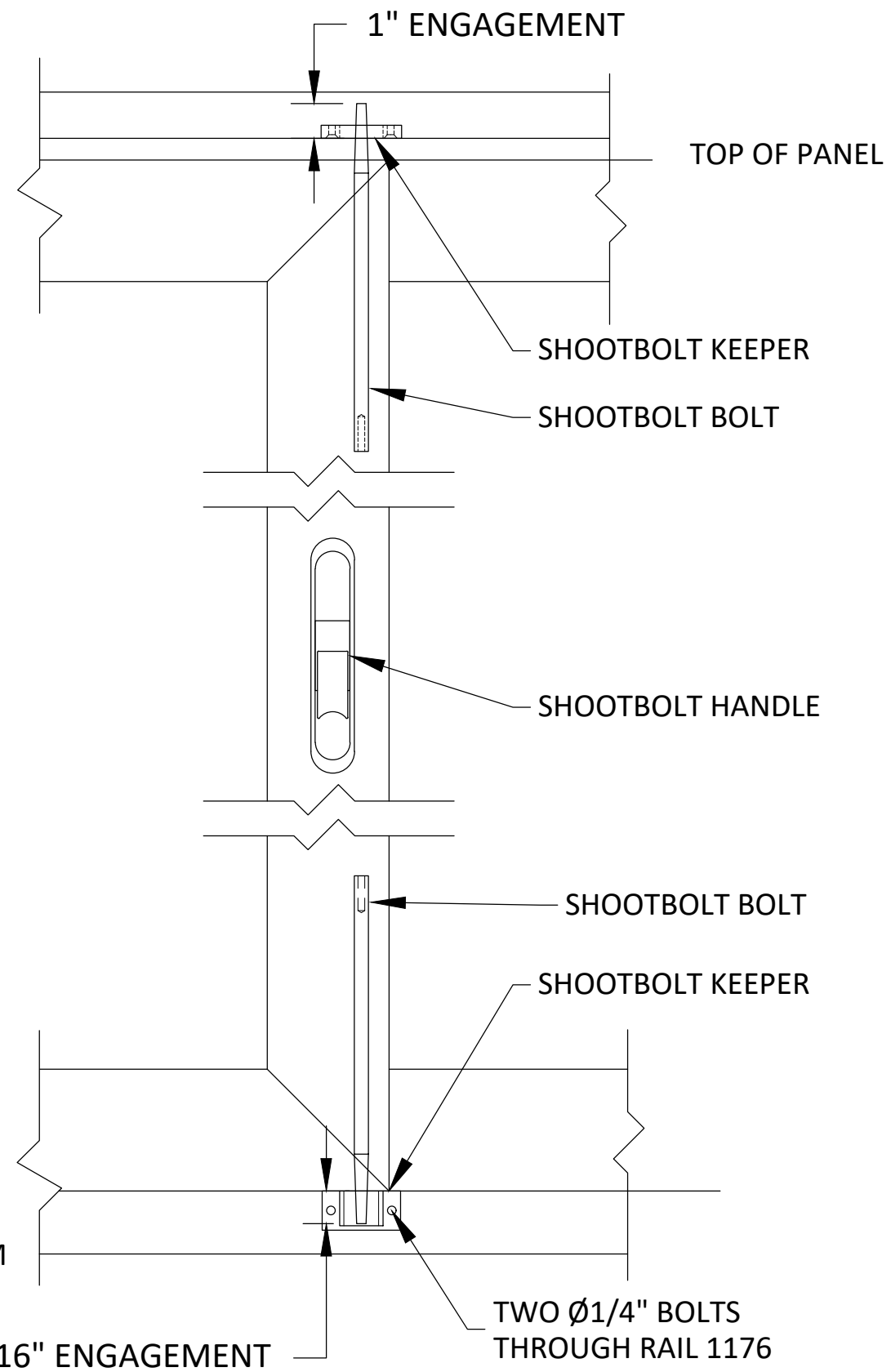
16

OF 18

z:\projects\weiland.sliding doors\cc-23-0278 - fbc 2023 (8th edition)\code change\dwg\fl17559\wso006 al wood clad awls - hvhz ni.dwg 6/9/2023 10:52 AM



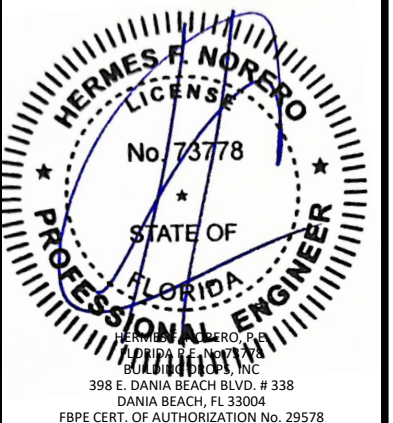
DEBAR LOCKSET OPTION



STANDARD LOCKSET OPTION

REMARKS	BY	DATE
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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FL #: **FL17559**

DATE: **02.11.15**

DWG. BY: **SM** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **WSD006**

SHEET: **17**

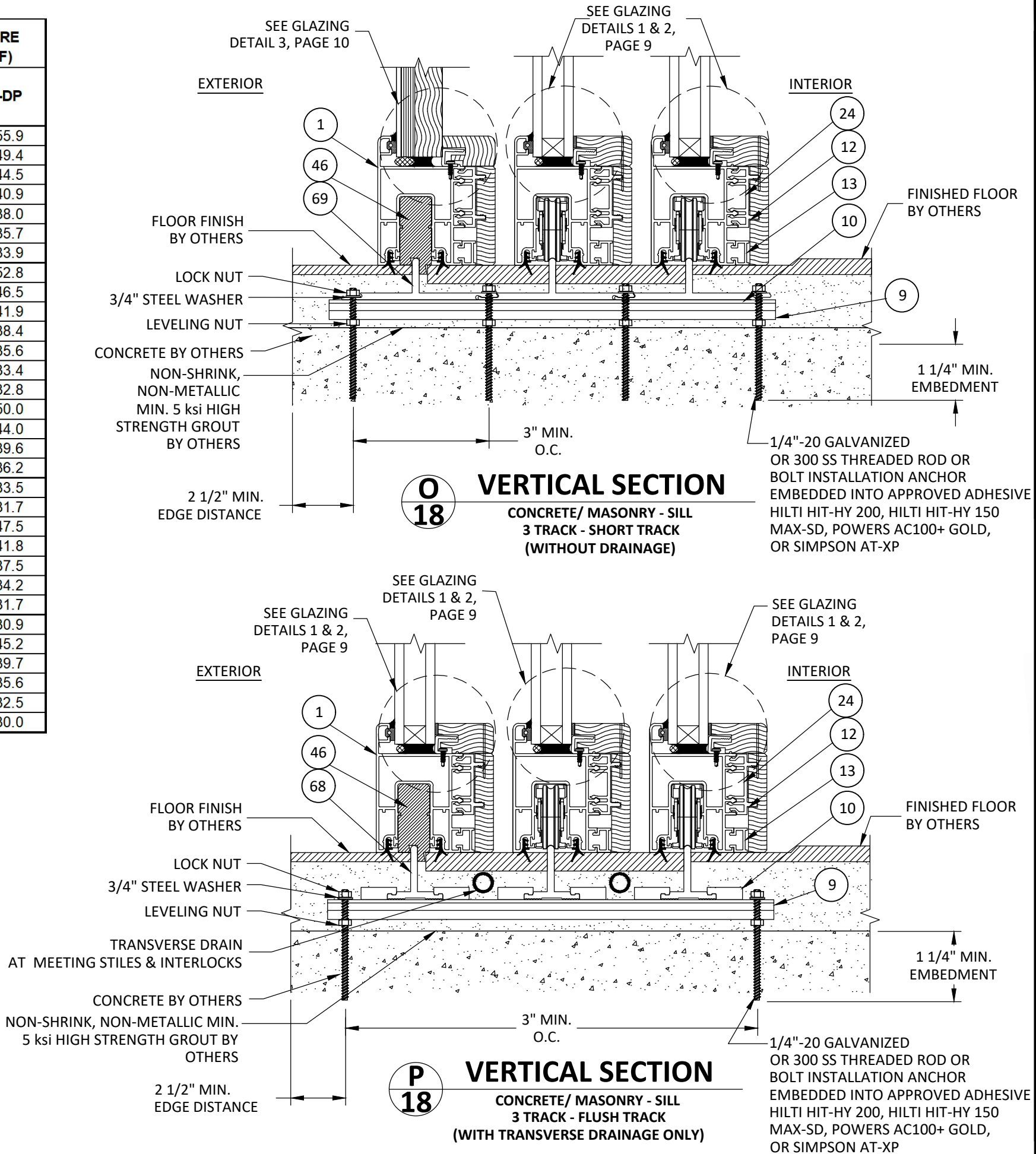
ALLOWABLE DESIGN PRESSURE WITHOUT SHOOT BOLTS (PSF)			
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	+DP	-DP
36	96	73.1	73.1
42		65.1	65.1
48		59.4	59.4
54		55.1	55.1
60		51.8	51.8
66		49.4	49.4
72		47.5	47.5
78		46.2	46.2
84	102	45.2	45.2
36		67.9	67.9
42		60.3	60.3
48		54.8	54.8
54		50.7	50.7
60		47.5	47.5
66		45.1	45.1
72		43.2	43.2
78	108	41.8	41.8
84		40.7	40.7
36		63.3	63.3
42		56.2	56.2
48		50.9	50.9
54		46.9	46.9
60		43.8	43.8
66		41.5	41.5
72	114	39.6	39.6
78		38.1	38.1
36		59.4	59.4
42		52.5	52.5
48		47.5	47.5
54		43.7	43.7
60		40.7	40.7
66		38.4	38.4
72	114	36.5	36.5
74		36.0	36.0

ALLOWABLE DESIGN PRESSURE WITHOUT SHOOT BOLTS (PSF)			
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	+DP	-DP
36	120	55.9	55.9
42		49.4	49.4
48		44.5	44.5
54		40.9	40.9
60		38.0	38.0
66		35.7	35.7
72	126	33.9	33.9
36		52.8	52.8
42		46.5	46.5
48		41.9	41.9
54		38.4	38.4
60		35.6	35.6
66	132	33.4	33.4
68		32.8	32.8
36		50.0	50.0
42		44.0	44.0
48		39.6	39.6
54		36.2	36.2
60	138	33.5	33.5
65		31.7	31.7
36		47.5	47.5
42		41.8	41.8
48		37.5	37.5
54		34.2	34.2
60	144	31.7	31.7
62		30.9	30.9
36		45.2	45.2
42		39.7	39.7
48		35.6	35.6
54		32.5	32.5
60		30.0	30.0

DESIGN PRESSURE NOTES:

- DESIGN PRESSURE SHALL BE LIMITED TO VALUES LISTED IN ABOVE TABLE BASED ON INDIVIDUAL PANEL SIZE. PANELS SMALLER THAN DIMENSIONS SHOWN IN TABLE SHALL BE LIMITED TO THE NEXT LARGEST WIDTH OR HEIGHT OF PANEL
- REFER TO SHEET 6 FOR DESIGN PRESSURES BASED ON MAX. PANEL SIZE WITH USE OF THE SHOOT BOLT ASSEMBLY.

- FOR INSTALLATION INTO PRESSURE TREATED WOOD AT SILL USE #14 STAINLESS STEEL WOOD SCREWS OR 1/4" GALVANIZED OR STAINLESS STEEL HANGER BOLT OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT. ANCHORS SHALL MAINTAIN A MIN. EDGE DISTANCE OF 3/4" & 3" MIN. O.C. SPACING. MAXIMUM SHIM SPACE TO BE 1/2".
- REFER TO SHEET 7 FOR TYPICAL FULL DRAINAGE TRACK DETAIL.



1319 ROCKY POINT DR #100
OCEANSIDE, CA 92056
PH: (760) 722.8828 FX: (760) 722.8838

TITLE: LIFTSIDE DOOR
(ALS, AWLS & ALS-T)
(HVHZ)/(NON-IMPACT)

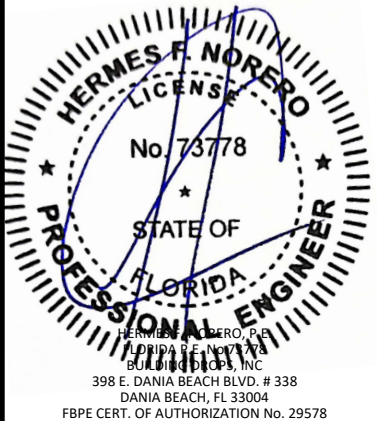
DP TABLE W/ OUT SHOOT BOLTS
& ALTERNATE SILL TRACK DETAILS

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
1" GLASS & ALS PROFILE	SM	12.15.16
7TH FBC CODE CHANGE	SM	03.04.20
8TH FBC CODE CHANGE	MG	03.07.23

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.



FL #:

FL17559

DATE: 02.11.15

DWG. BY:

SM

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

WSD006

SHEET:

18

OF 18