

c:\users\sebastianherrerros\building drops, inc\building drops, inc\projects\euro-wall, llc\fbc-22-0137 - fbc submittal - revision - f134003 ms-multislide system - new pressures and sizes\dwgs\ews045.dwg 10/14/2024 9:00 AM

EURO-WALL, LLC

MS-MULTISLIDE SYSTEM (HVHZ) (IMPACT)

GENERAL NOTES:

1. 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

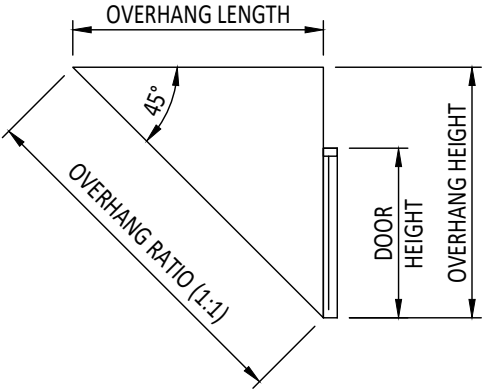
TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: EXTRUDED ALUMINUM (6063-T5).
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.

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8	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE RATING			
MAX. UNIT DIMENSIONS	DESIGN PRESSURE	WATER TEST PRESSURE	MISSILE IMPACT RATING
SEE SHEET 2		15.75 PSF	LARGE & SMALL MISSILE IMPACT

NOTE: WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT:

OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0 , WATER INFILTRATION REQUIREMENT DOES NOT NEED TO BE MET



euro-wall[®]

SUPERIOR BY DESIGN

EURO-WALL, LLC

P.O. BOX 8007

NORTH PORT, FL 34290

PH: 888-989-3876

TITLE: MS MULTI-SLIDE SYSTEM (HVHZ) (IMPACT)

GENERAL NOTES

PREPARED BY:

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MIAMI, FL 33132

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B.D.

BUILDING DROPS

REMARKS	BY	DATE
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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FLORIDA P.E. NO. 73778

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47061

DATE:

09.26.24

DWG. BY:

SH

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

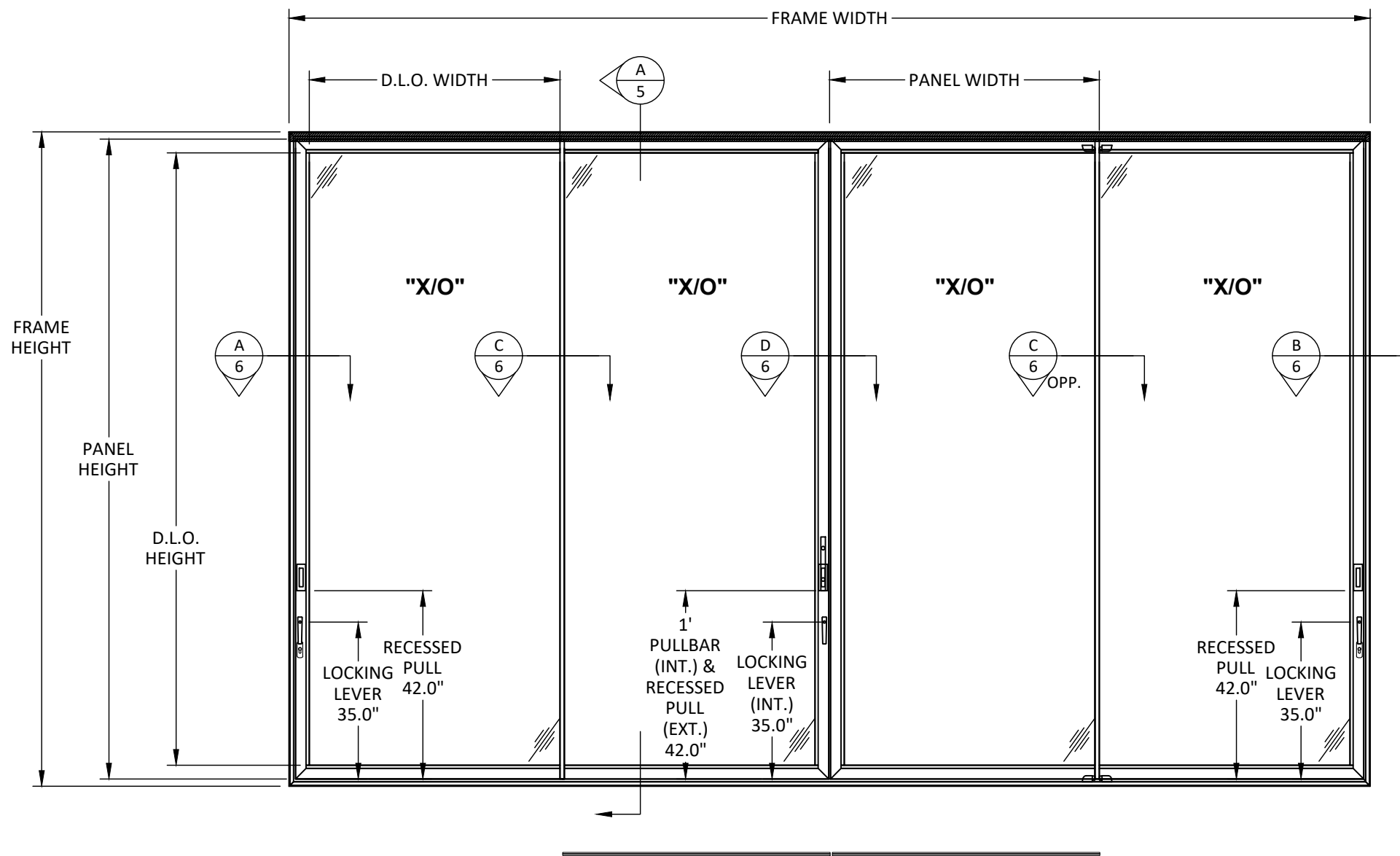
EWS045

SHEET:

1

OF 8

- NOMINAL FRAME WIDTH = NUMBER OF PANELS X PANELS WIDTH
- FRAME HEIGHT = PANEL HEIGHT + 3.25"
- MAX D.L.O. WIDTH = PANEL WIDTH - 1.90"
- MAX D.L.O. HEIGHT = PANEL HEIGHT - 6.10"



- APPROVED CONFIGURATIONS:
 2 PANEL - OX, XO, XX
 3 PANEL - OOX, XOO, XOY, OYO, XXO, OXX, XXX
 4 PANEL - OXXO, OXXX, XXXO, XXOO, XOOX, OOOX, XXXX

DESIGN PRESSURE TABLE (PSF)		
PANEL WIDTH (IN)	PANEL HEIGHT (IN)	+/-
36	90	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
72		87.5
78		80.8
84		75.0
36	96	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
72		87.5
78		80.8
84	75.0	
36	102	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
72		87.5
78		80.8
84	75.0	
36	108	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
72		87.5
78		80.8
84	75.0	

DESIGN PRESSURE TABLE (PSF)		
PANEL WIDTH (IN)	PANEL HEIGHT (IN)	+/-
36	114	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
72		87.5
36	120	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
36	126	105.0
42		105.0
48		105.0
54		105.0
60		105.0
66		95.5
36	132	105.0
42		105.0
48		105.0
54		105.0
60		105.0
36	138	105.0
42		105.0
48		105.0
54		105.0
60		105.0
36	142.75	105.0
42		105.0
48		105.0
54		105.0
60		105.0

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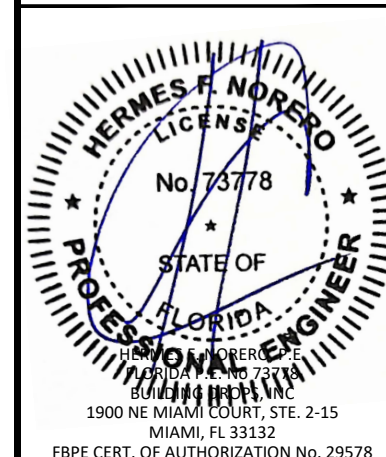
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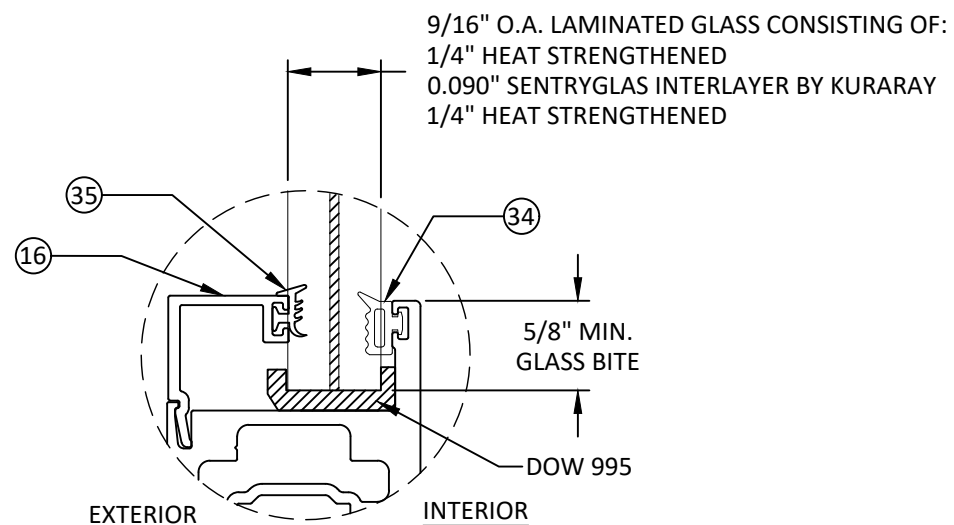
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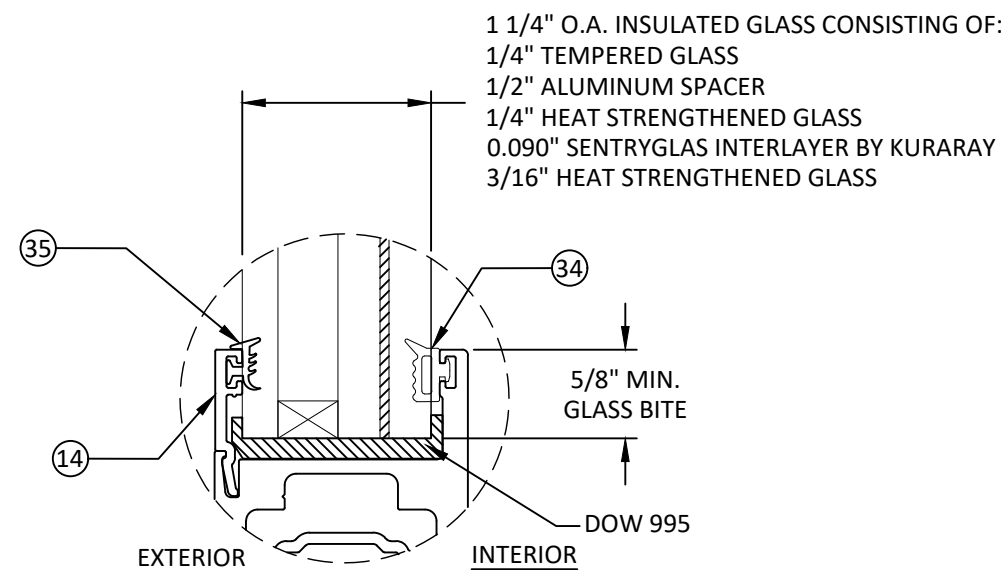
OF 8

ANCHOR LAYOUT

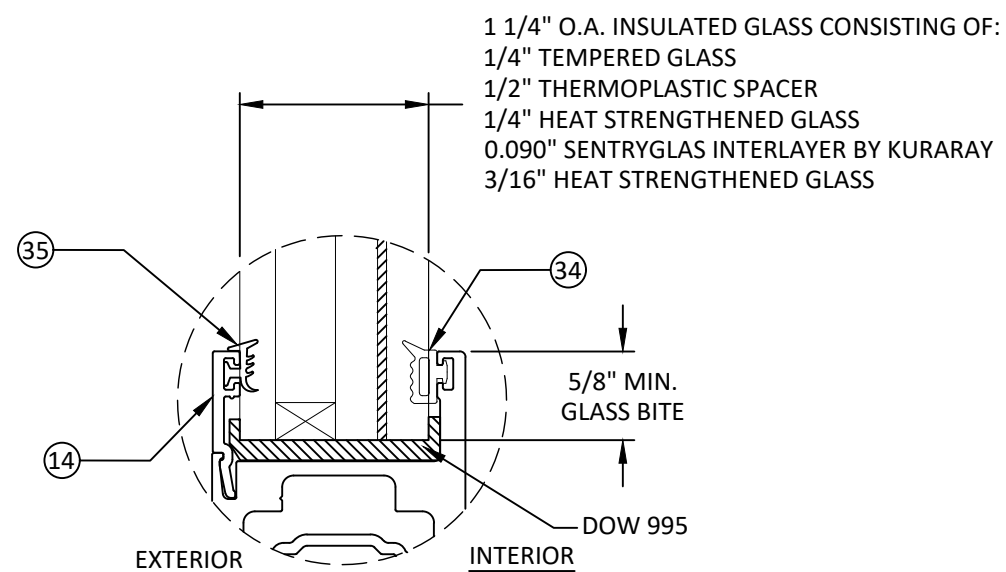
SLIDING GLASS DOOR



GLAZING DETAIL 1



GLAZING DETAIL 2



GLAZING DETAIL 3

GLAZING NOTES:

1. GLASS TYPE COMPLIES 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 COMPLIES WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC.

TITLE: MS MULTI-SLIDE SYSTEM
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GLAZING DETAILS

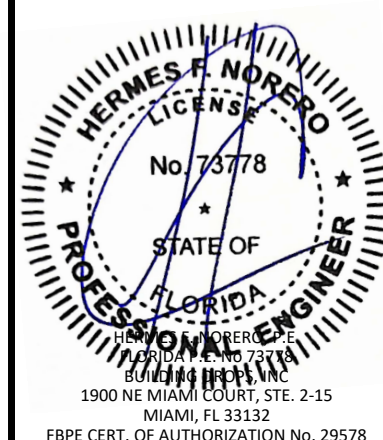
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**TITLE: MS MULTI-SLIDE SYSTEM
(HVHZ) (IMPACT)**

VERTICAL SECTION

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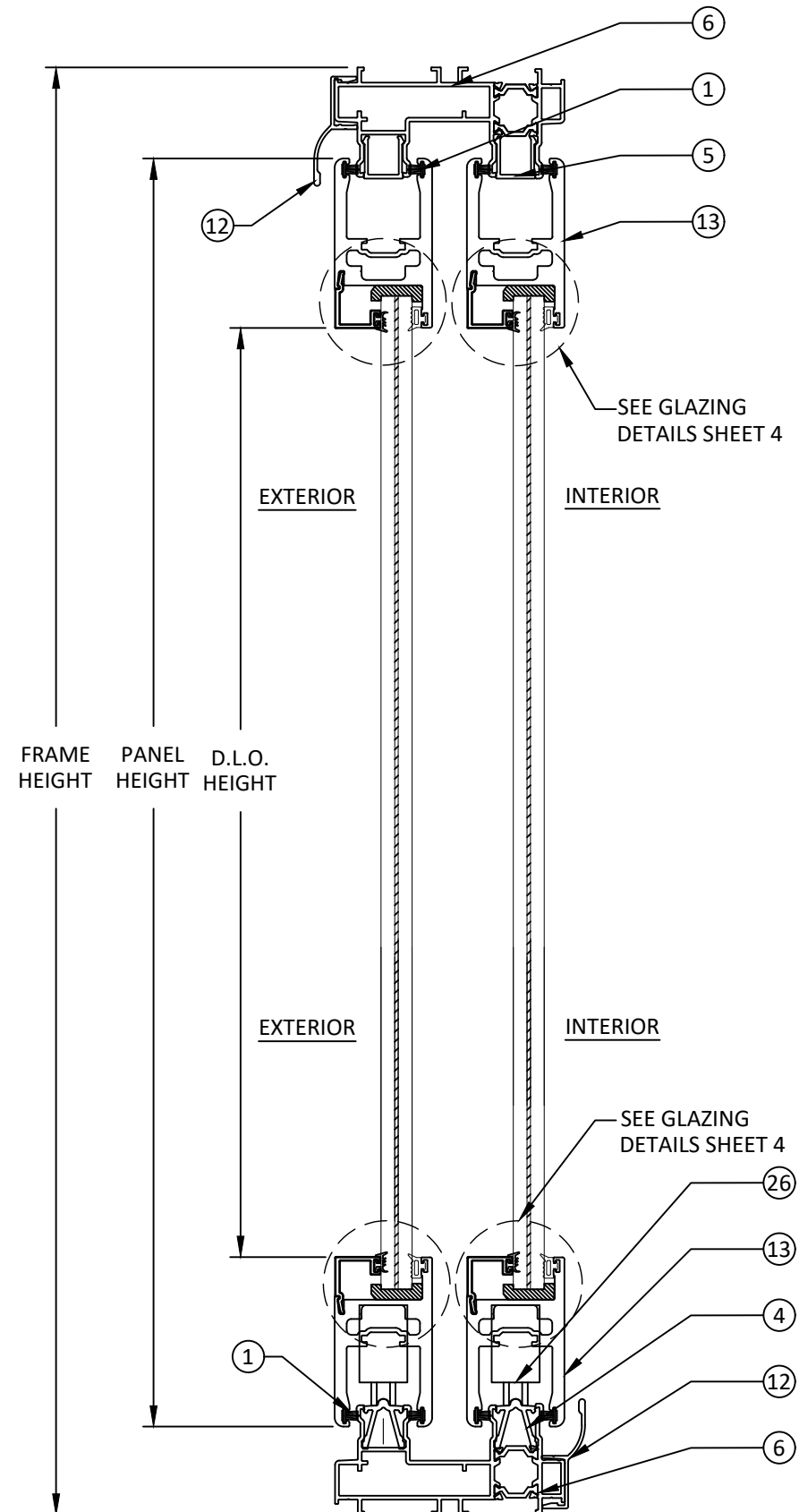
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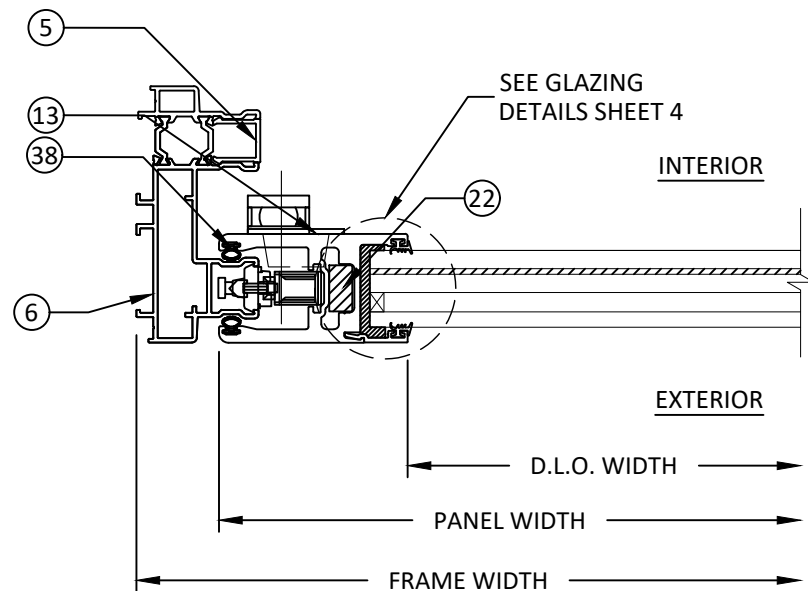
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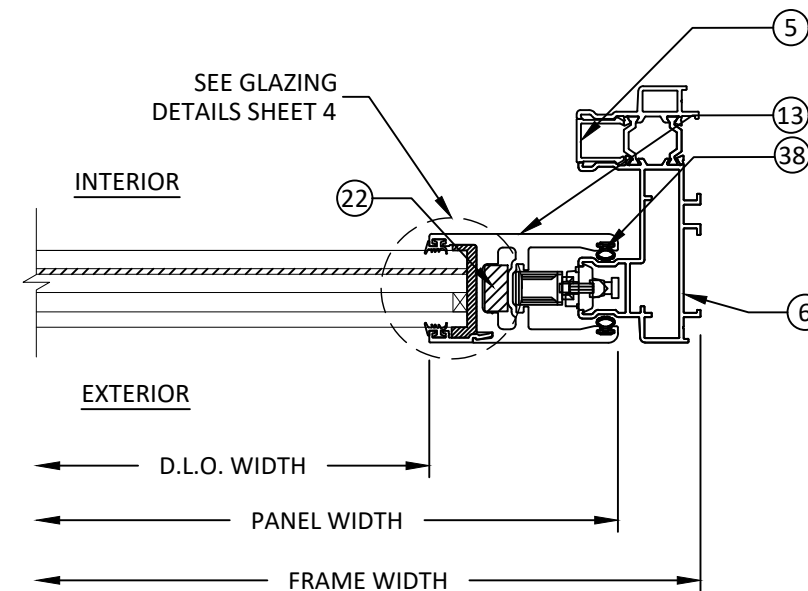
*NOTE:
9/16" LAMINATED GLASS SHOWN
1-1/4" INSULATED GLASS ALSO QUALIFIED

VERTICAL SECTION

SLIDING GLASS DOOR 2 TRACK

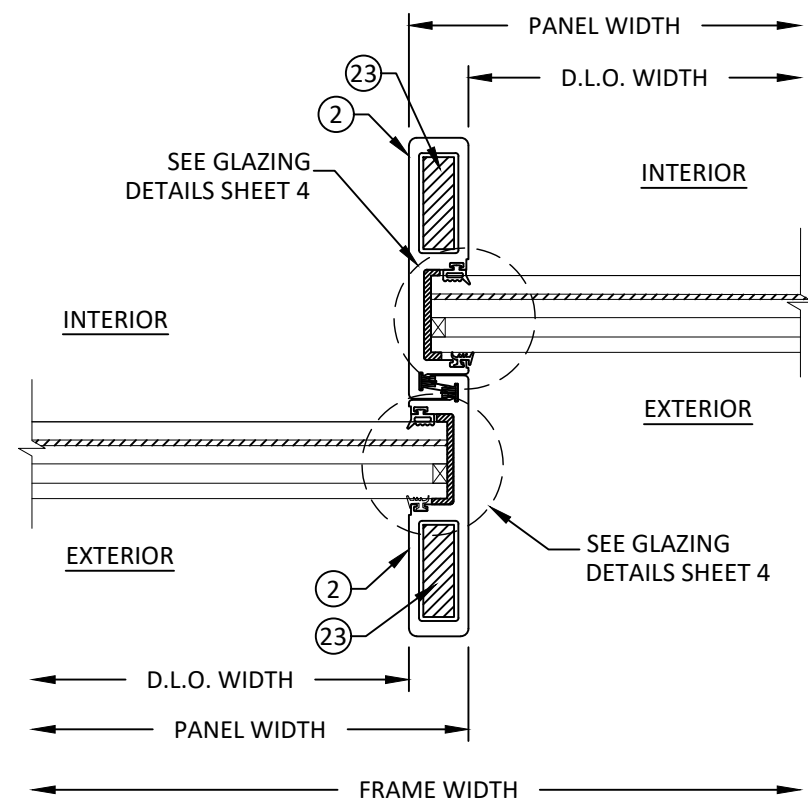


A6 HORIZONTAL SECTION

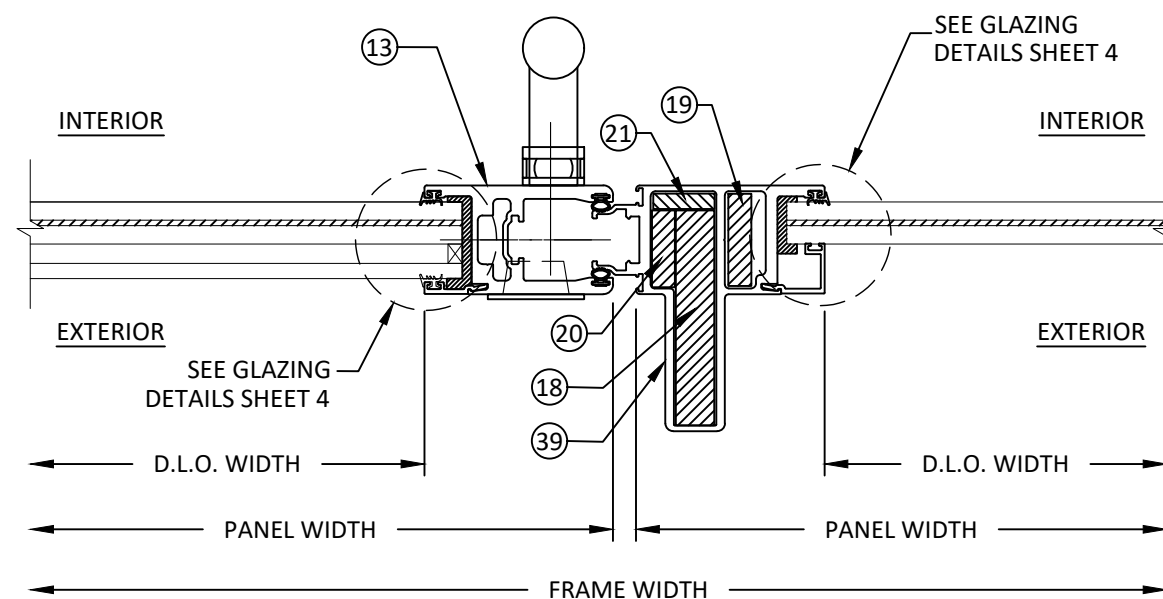


B HORIZONTAL SECTION

*NOTE:
1-1/4" INSULATED GLASS SHOWN
9/16" LAMINATED GLASS ALSO QUALIFIED



C6 HORIZONTAL SECTION



D HORIZONTAL SECTION

6 MEETING STILE

**TITLE: MS MULTI-SLIDE SYSTEM
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HORIZONTAL SECTIONS

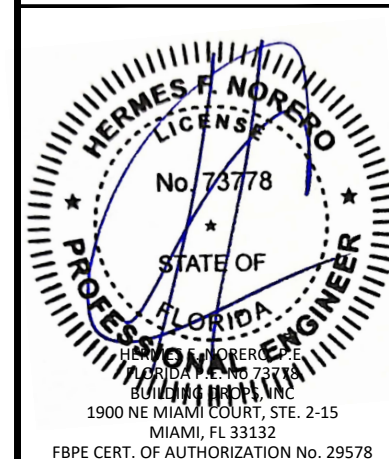
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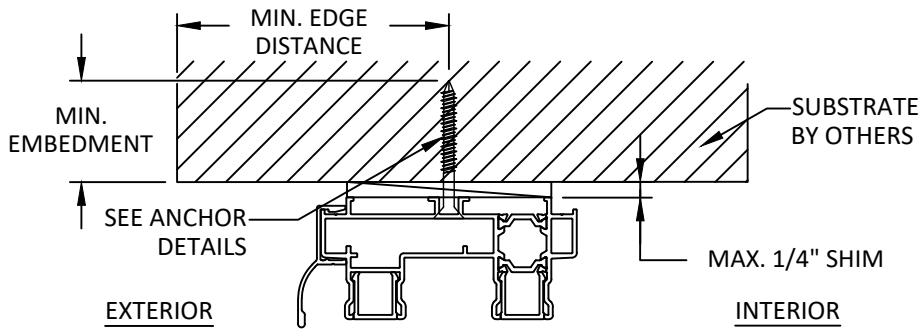
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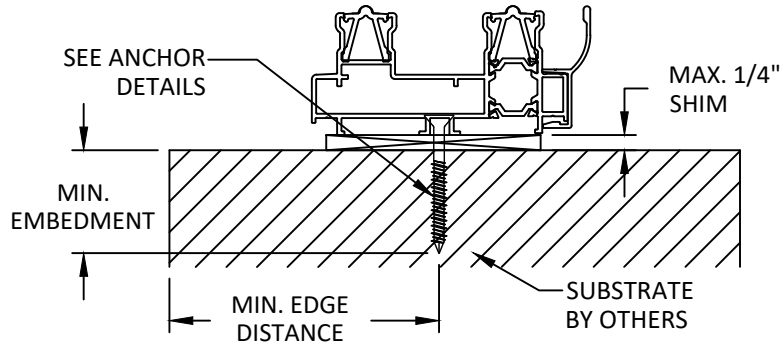
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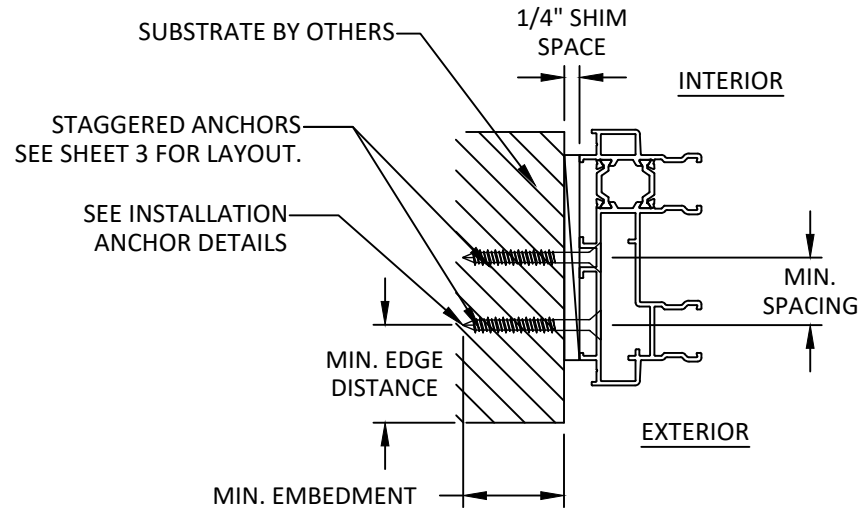
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A
7 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION (HEAD)
2 TRACKS



B
7 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION (SILL)
2 TRACKS



C
7 **ANCHOR DETAIL**
THROUGH FRAME INSTALLATION (JAMBS)
2 TRACKS

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS SPECIFIED IN THE ANCHOR SCHEDULE.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE.) SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	0.75"	2.50"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	1/4" SELF DRILLING OR SELF TAPPING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"	
	METAL: 1/8" MIN. THICKNESS ALUMINUM MIN. 6063-T5				
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.25"	2.00"	
	MASONRY: CMU per ASTM C90	1/4" ITW TAPCON	1.25"	2.00"	

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ANCHOR DETAILS, INSTALLATION
NOTES & ANCHOR SCHEDULE

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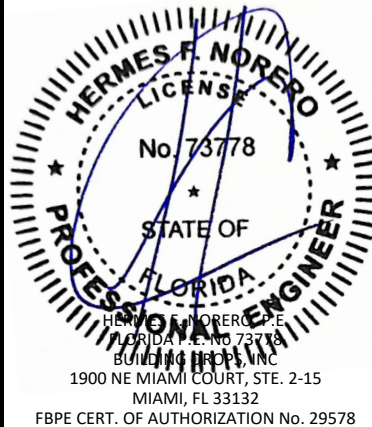
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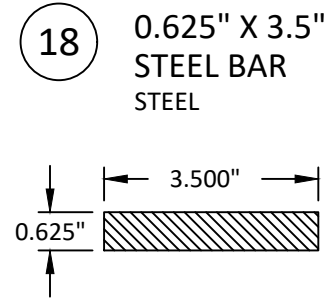
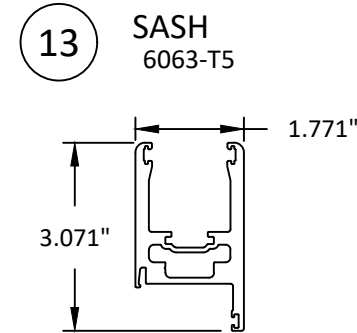
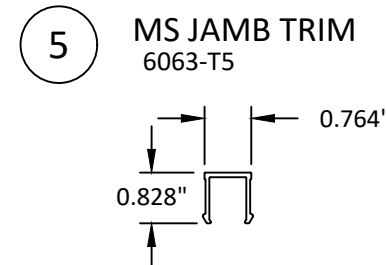
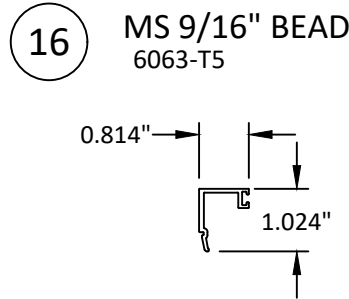
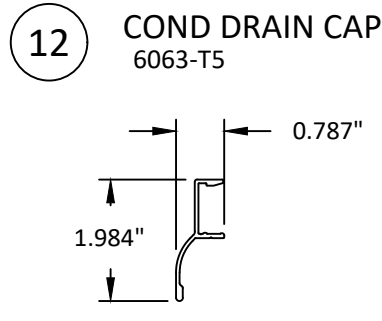
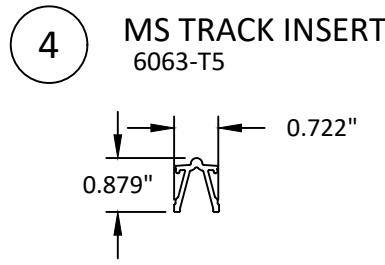
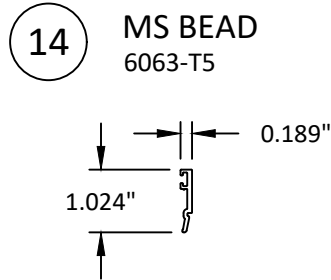
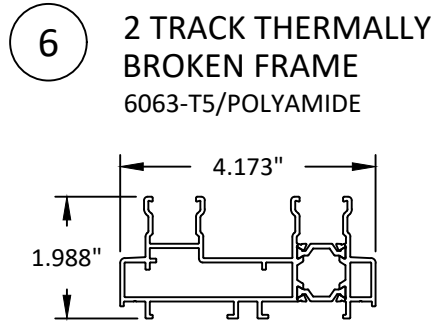
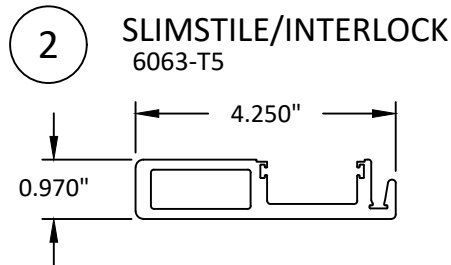
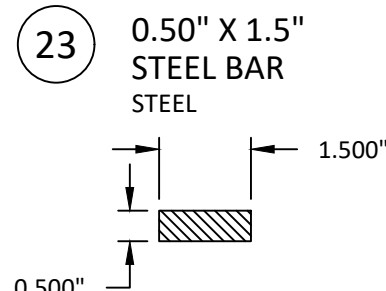
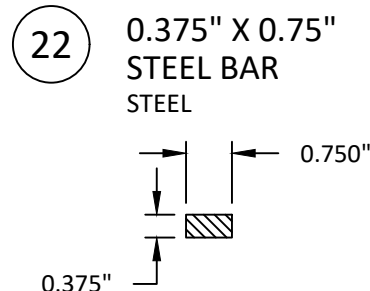
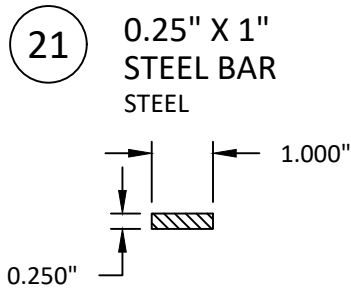
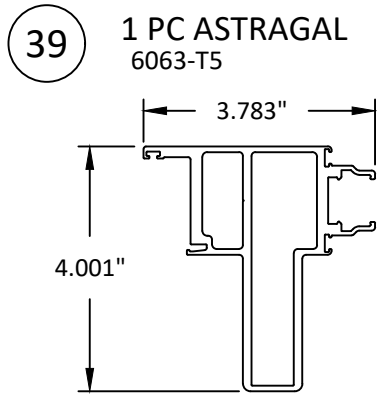
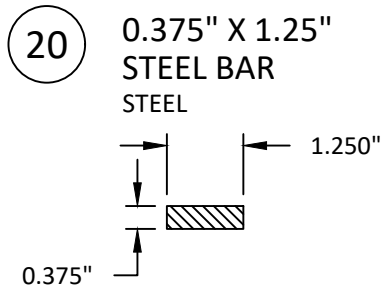
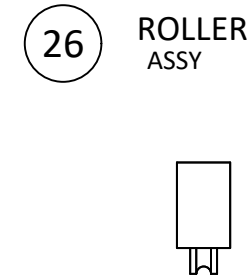
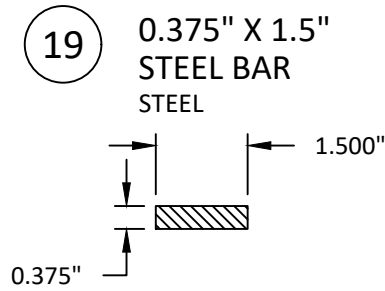
SHEET:

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BILL OF MATERIALS			
NO	PART #	DESCRIPTION	MATERIAL
1	C0036	FIN SEAL	POLYAMIDE
2	E0009	SLIMSTILE/INTERLOCK	6063-T5
4	E0012	MS TRACK INSERT	6063-T5
5	E0013	MS JAMB TRIM	6063-T5
6	E0015	2T FRAME THERMALLY BROKEN	6063-T5/POLYAMIDE
12	E0040	COND DRAIN CAP	6063-T5
13	E0008	SASH	6063-T5
14	E0064	MS BEAD	6063-T5
16	E0093	MS 9/16" BEAD	6063-T5
18	E0097	0.625" X 3.5" STEEL BAR	STEEL
19	E0212	0.375" X 1.5" STEEL BAR	STEEL
20	E0213	0.375" X 1.25" STEEL BAR	STEEL
21	E0214	0.25" X 1" STEEL BAR	STEEL
22	E0215	0.375" X 0.75" STEEL BAR	STEEL
23	E0216	0.50" X 1.5" STEEL BAR	STEEL
24	C0080	PANEL CORNER KEY ANGLES	ASSY
25	C00142	MS SASH CORNER KEY	6063-T5
26	C0048	ROLLER ASSY	ASSY
27	C0031	LARGE PAW CATCHES	ASSY
28	C0081	INTERNAL DEVICE	ASSY
29	C0030	SMALL PAWL CATCHES	ASSY
30	C0061	TWINPOINT HANDLE LONG	ASSY
31	C00171	POLYAMIDE CONNECTING ROD	POLYAMIDE
32	C00143	SETTING BLOCK	NEOPRENE
33	C00144	SETTING BLOCK	NEOPRENE
34	C0056	BEDDING MS INTERIOR	EPDM
35	C0056	BEDDING MS EXTERIOR	EPDM
36	C0013	UPPER MS WEATHERSTRIP HOLDER	PLA
37	C0026	LOWER MS DRAIN HOLE COVER	PLA
38	C0044	SASH GASKET	POLYAMIDE
39	E0094	1PC ASTRAGAL	6063-T5





EURO-WALL, LLC

P.O. BOX 8007

NORTH PORT, FL 34290

PH: 888-989-3876

TITLE: MS MULTI-SLIDE SYSTEM (HVHZ) (IMPACT)

BILL OF MATERIALS & COMPONENTS

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954) 399-8478

FAX: (954) 744-4738

WEB: www.buildingdrops.com

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.



HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FLORIDA P.E. No. 73778

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47061

DATE:

09.26.24

DWG. BY:

SH

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

EWS045

SHEET:

8

OF 8