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KAWNEER COMPANY

350 IR/HW OUTSWING & BI-FOLD SHOWROOM DOORS (HVHZ)(IMPACT)

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E1886-19
 - ASTM E1996-20
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5.

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.
6.

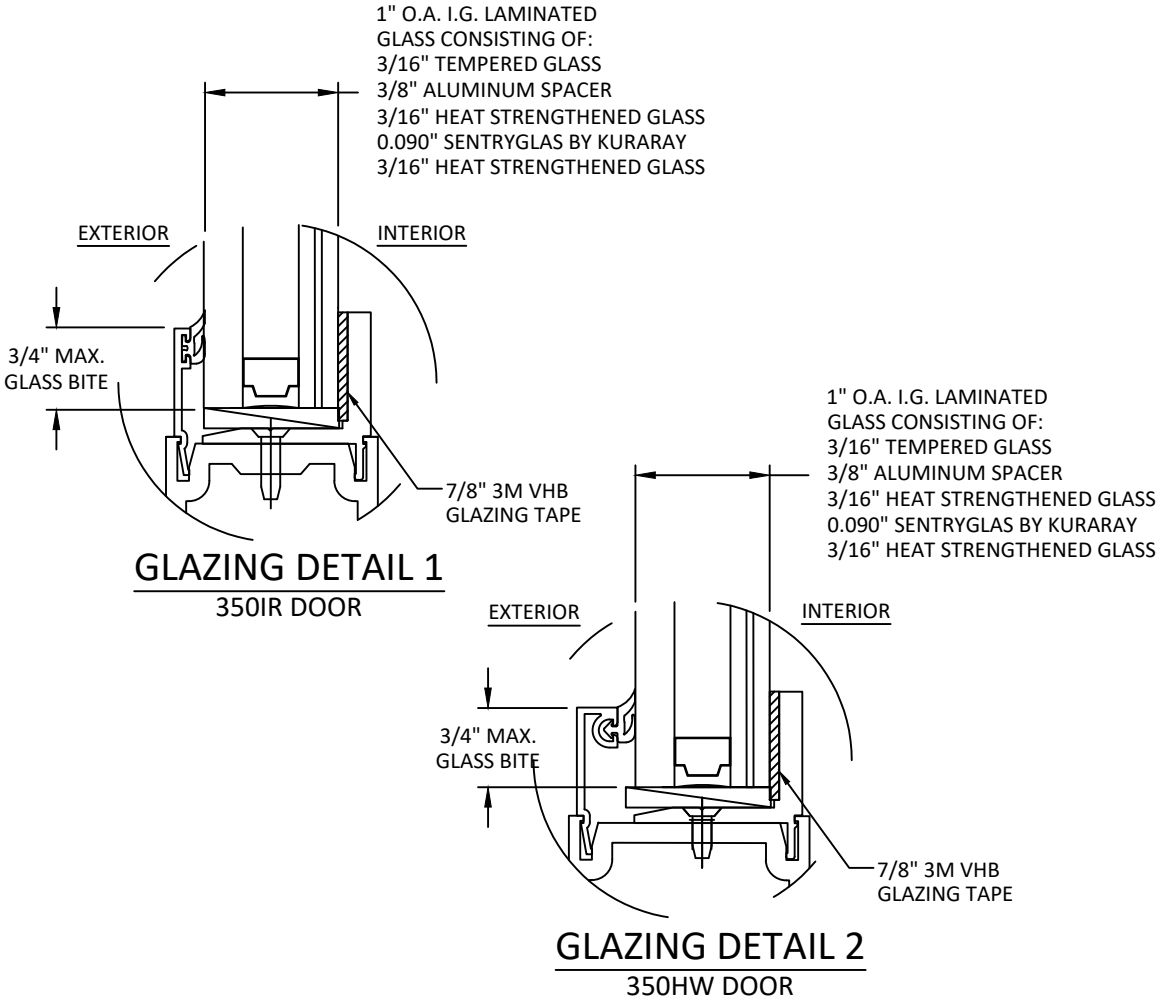
APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING WIND BORNE PROTECTION.
7.

DOOR FRAME AND DOOR MATERIAL: ALUMINUM (6063-T6).
8.

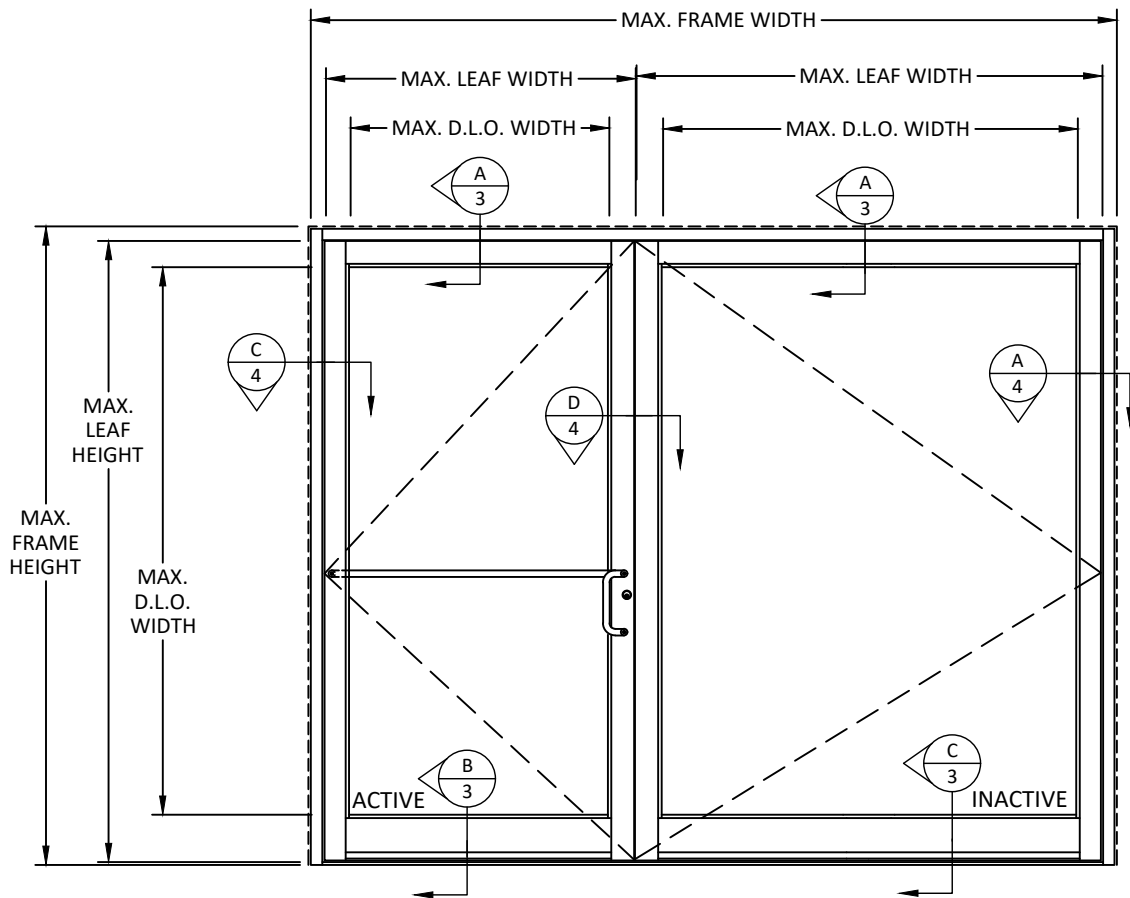
GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

DESIGN RATING					
OVERALL FRAME SIZE		FRAME TYPE	CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT				
123-1/2"	97-3/4"	TRIFAB 450	XXX	+/- 70 PSF	LMI/SMI
124"	98"	TRIFAB 451	XXX		LMI/SMI
111-1/2"	97-3/4"	TRIFAB 450	XX		LMI/SMI
112"	98"	TRIFAB 451	XX		LMI/SMI

NOTE: DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED UNLESS UNITS ARE INSTALLED UNDER LOCATIONS WHERE-BY THE OVERHANG RATIO IS EQUAL TO OR MORE THAN 1:1 PER FBC.

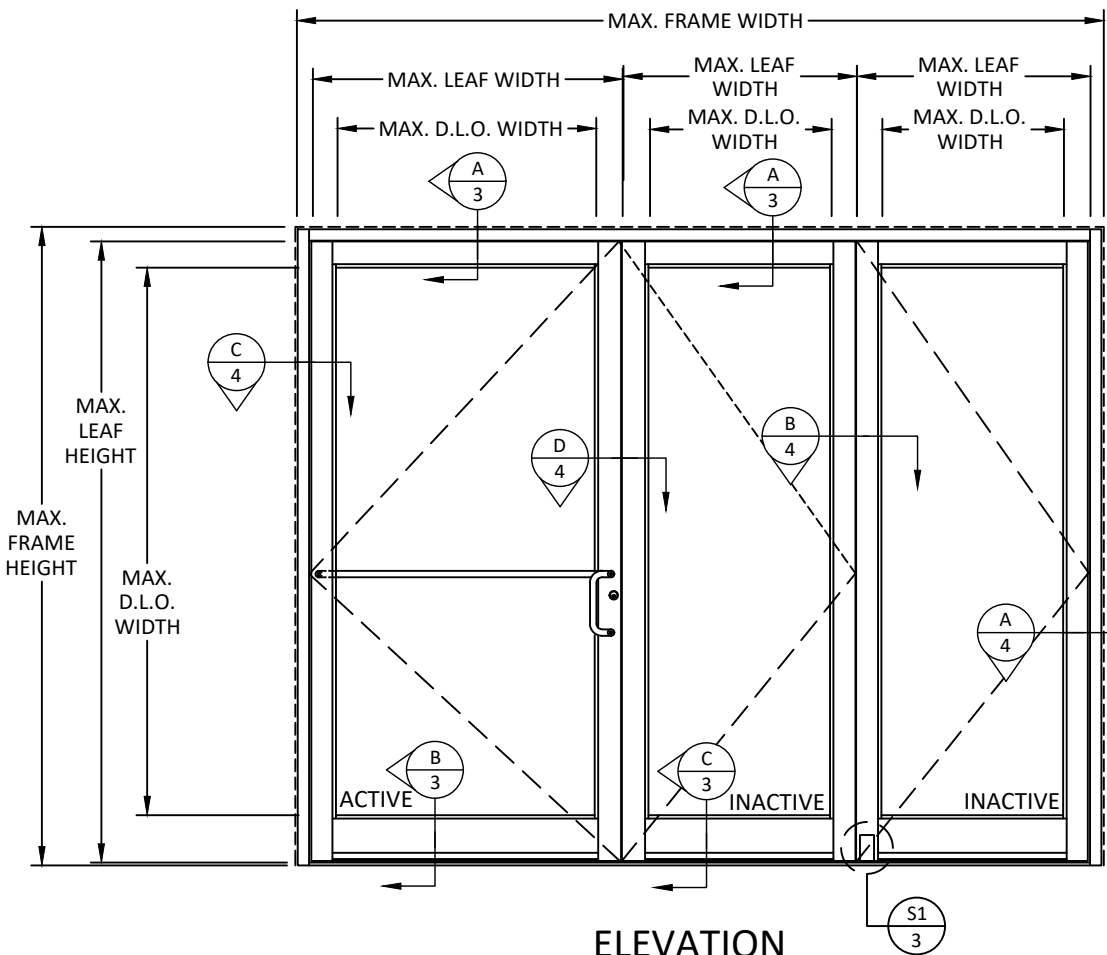


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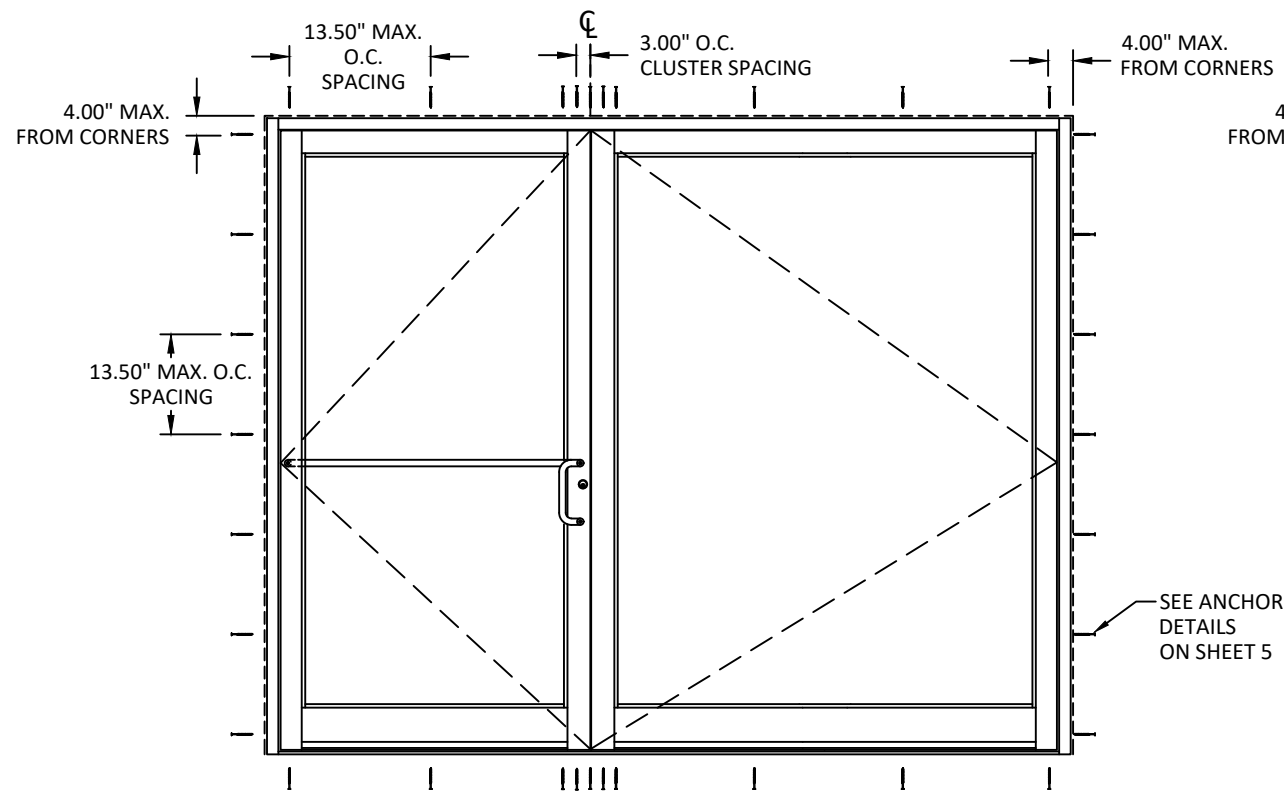


ELEVATION*
DOUBLE SWING DOOR

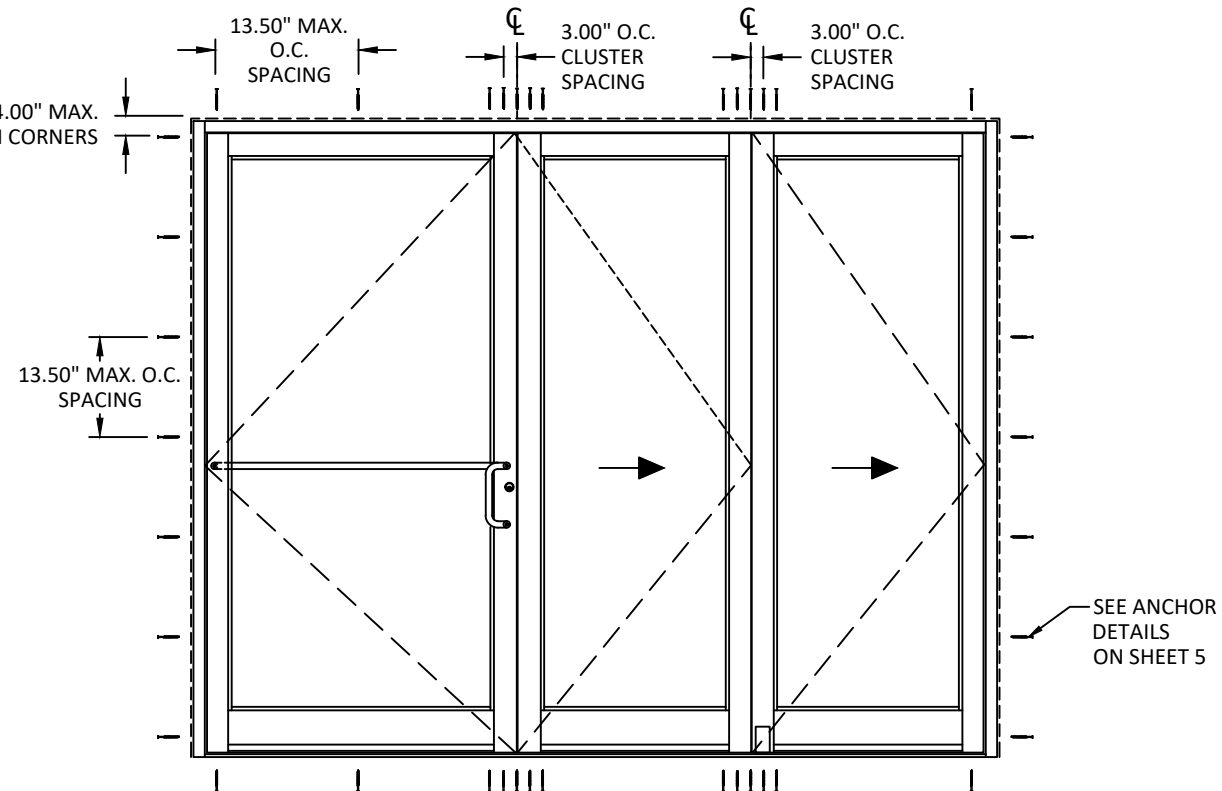
*HEAVY WALL ONLY, ONLY 350HW FRAME MAY BE USED WITH
THIS CONFIGURATION. 350IR FRAME ARE NOT APPLICABLE



ELEVATION
3-PANEL SWING & BIFOLD DOORS



ANCHOR LAYOUT



ANCHOR LAYOUT



KAWNEER COMPANY, INC.
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ELEVATIONS & ANCHOR LAYOUTS

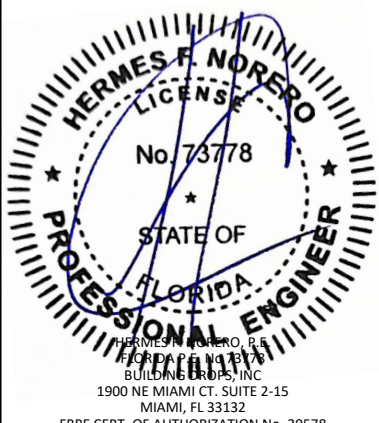
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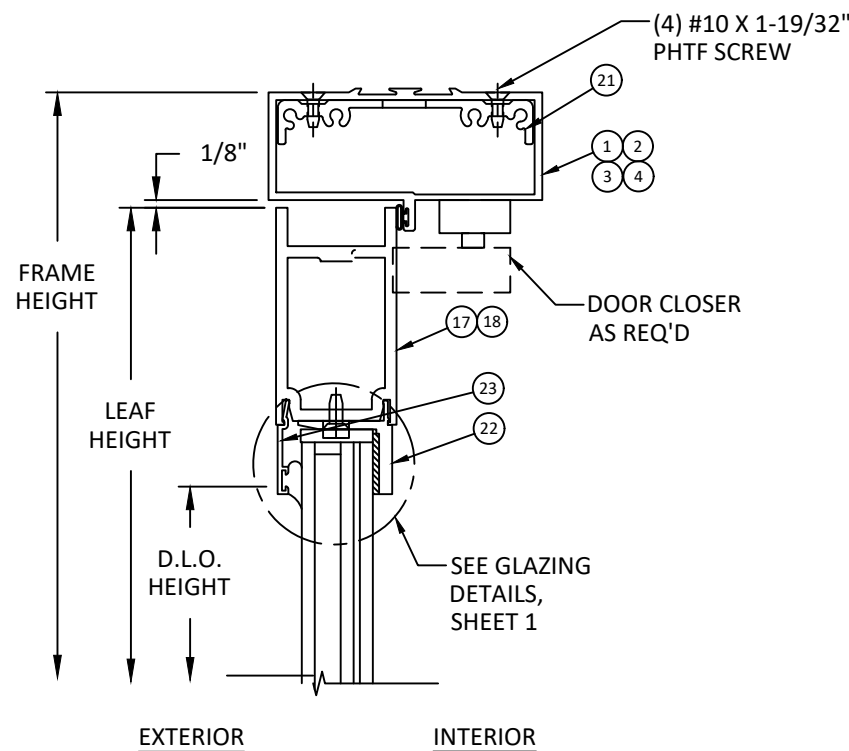
REMARKS	BY	DATE

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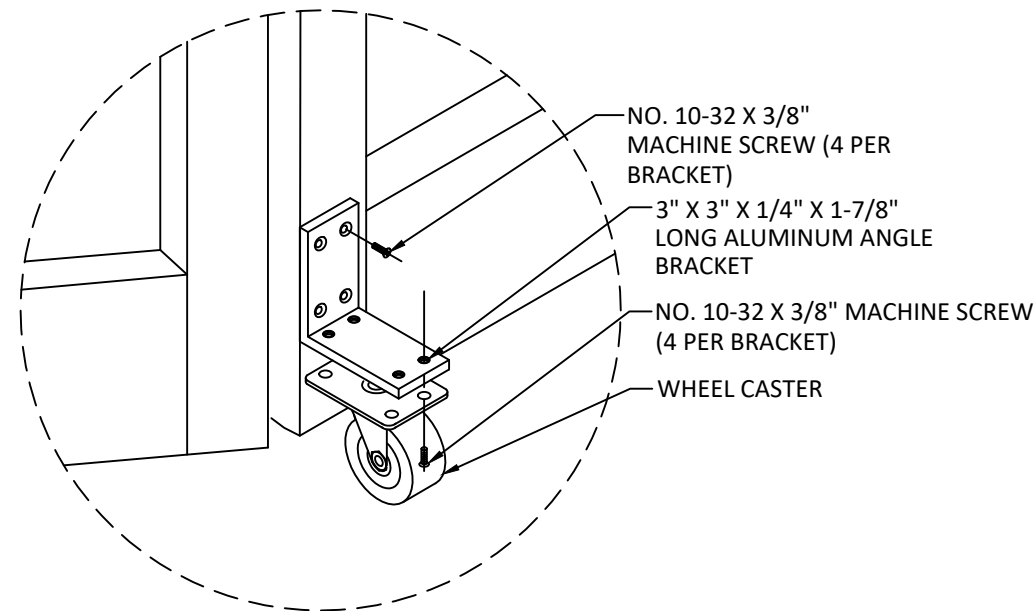


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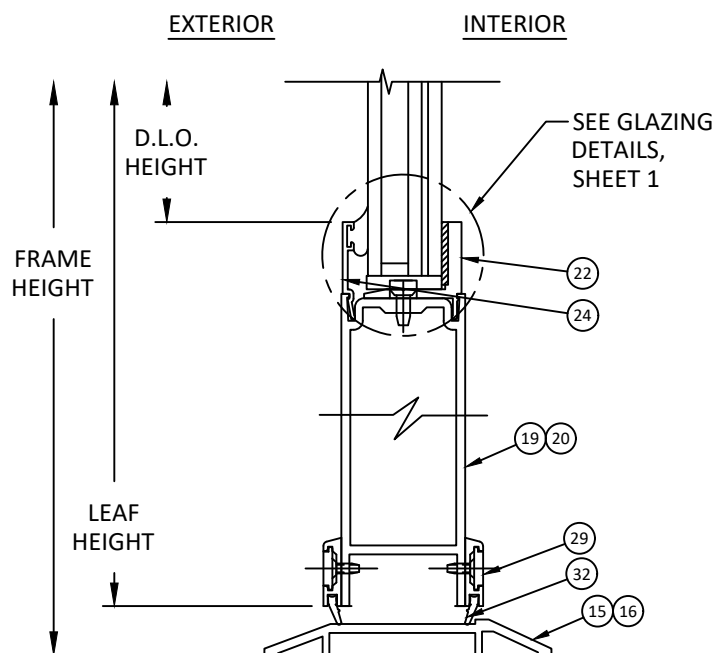
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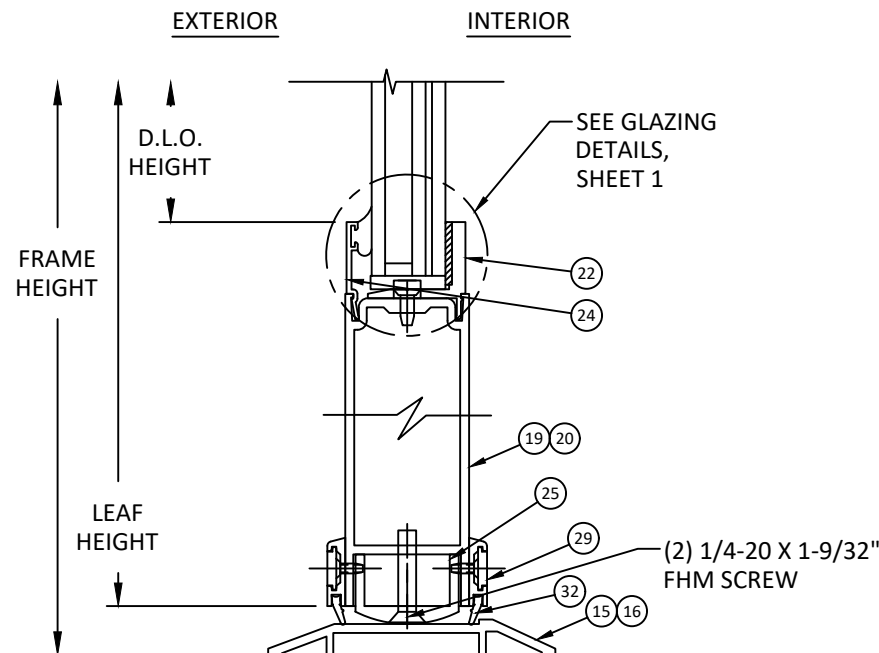
A
3 VERTICAL SECTION
TYP. HEAD DETAIL



S1
3 VERTICAL SECTION
CASTER WHEEL DETAIL



B
3 VERTICAL SECTION
TYP. SILL DETAIL



C
3 VERTICAL SECTION
TYP. SILL DETAIL
WITH RISER BLOCK



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VERTICAL SECTIONS

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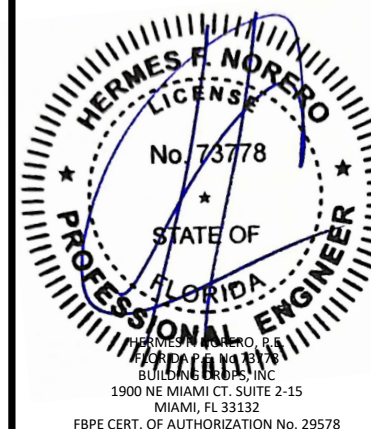
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OF 7

**TITLE: 350 IR/HW OUTSWING &
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(HVHZ)(IMPACT)**

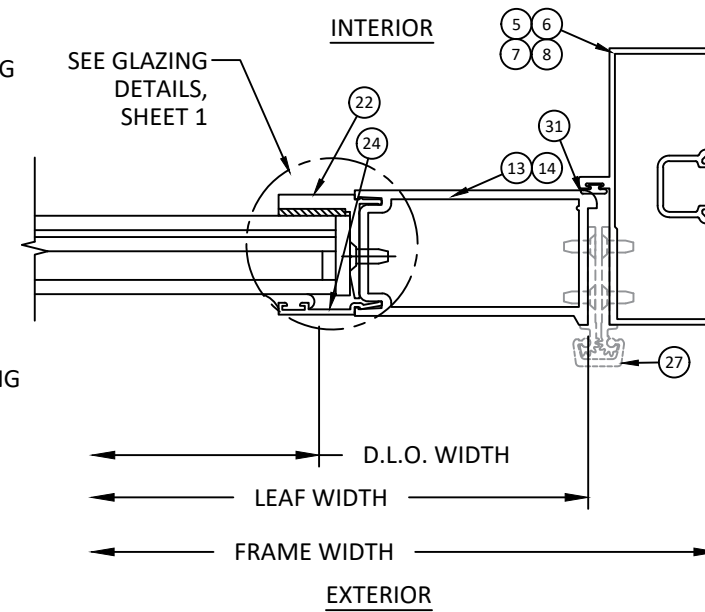


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C HORIZONTAL SECTION
4 TYP. JAMB - HINGE END
CONTINUOUS HINGE

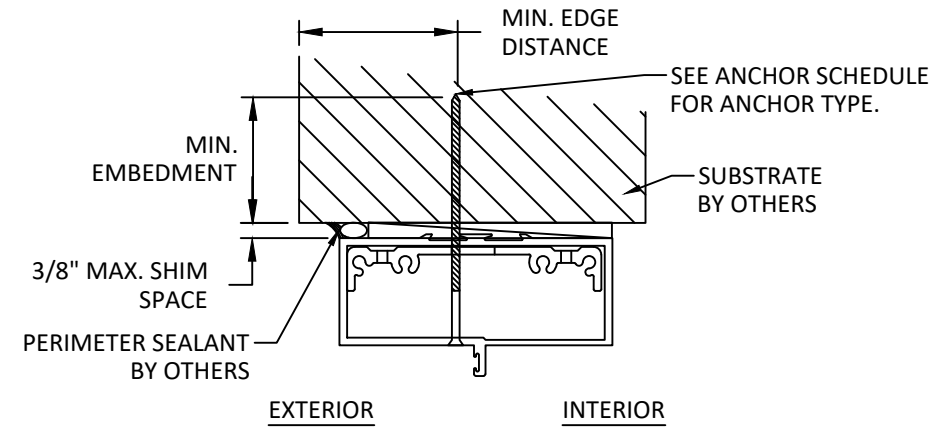


HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

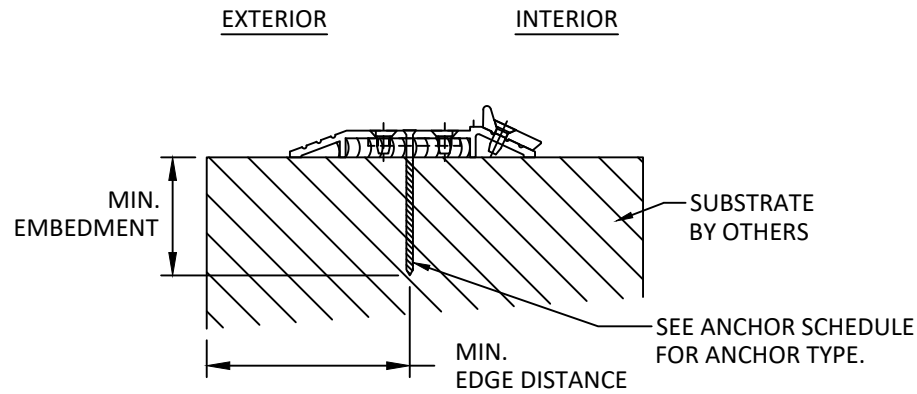
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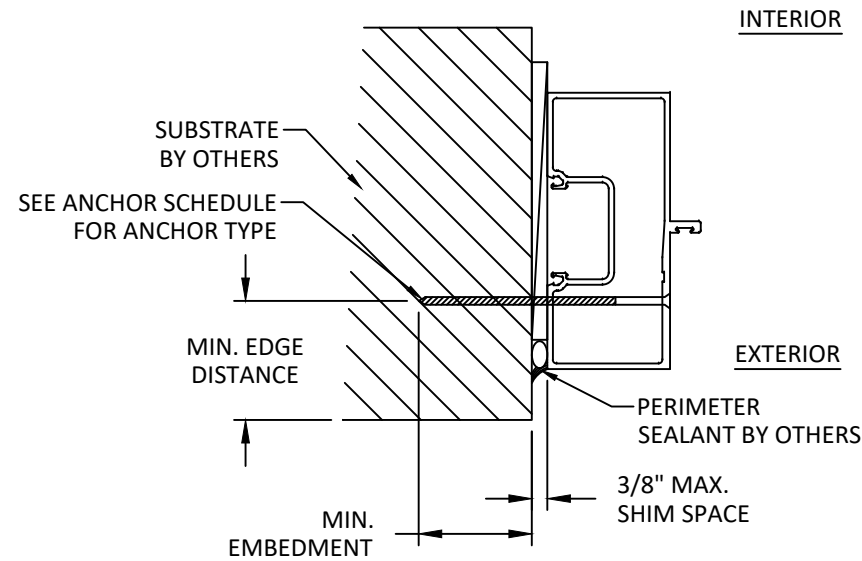
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A
5 VERTICAL SECTION
TYP. HEAD INSTALLATION



C
5 VERTICAL SECTION
TYP. SILL INSTALLATION



B
5 HORIZONTAL SECTION
TYP. JAMB INSTALLATION

ANCHOR SCHEDULE				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	#14 WOOD SCREW	WOOD (S.G. = 0.55)	1.25"	0.75"
	1/4" SELF-TAPPING SCREW	MIN. 18 GA. STEEL (33KSI)/ ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN. PENETRATION BEYOND METAL FACE	0.50"
	1/4" ITW TAPCON	CONCRETE: f'c = 3000 PSI	1.50"	2.50"
	1/4" ITW TAPCON	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.00"	2.50"

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ± 1.000 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 3/8 INCH. 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.
- FOR MASONRY OR CONCRETE OPENINGS, A 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.
- 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.



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ANCHOR DETAILS, SCHEDULE, AND
INSTALLATION NOTES

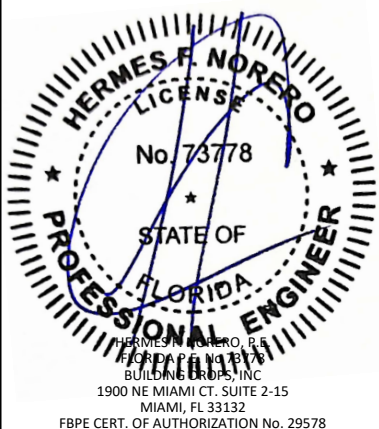
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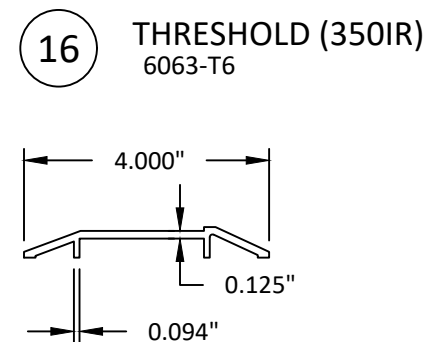
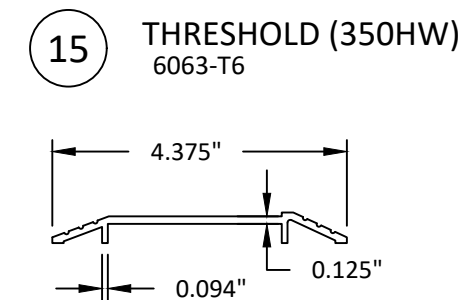
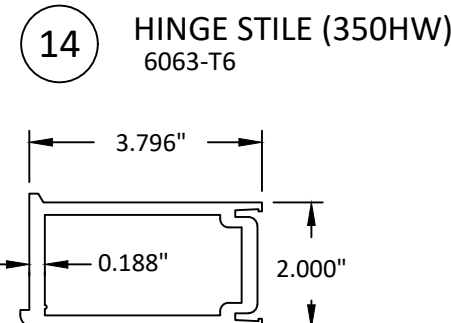
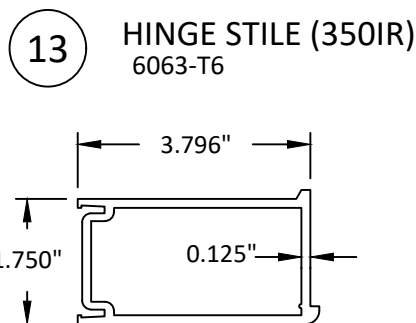
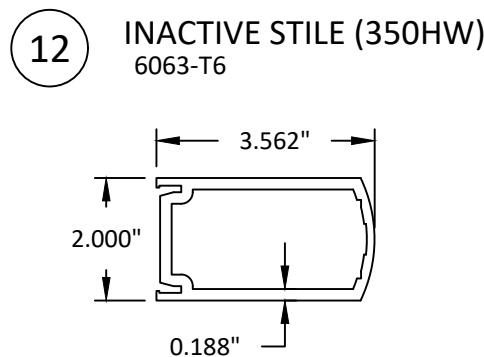
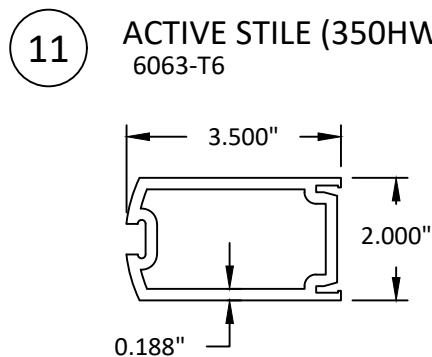
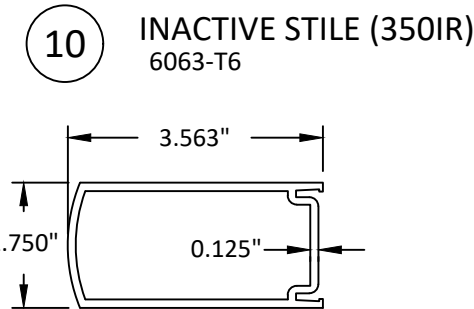
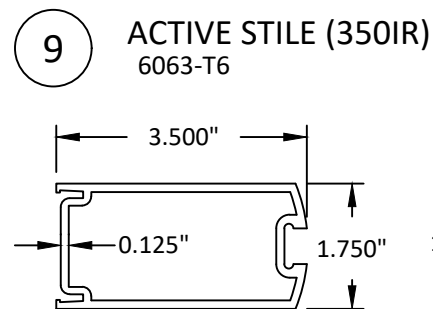
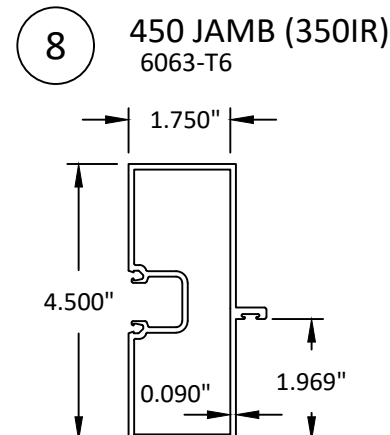
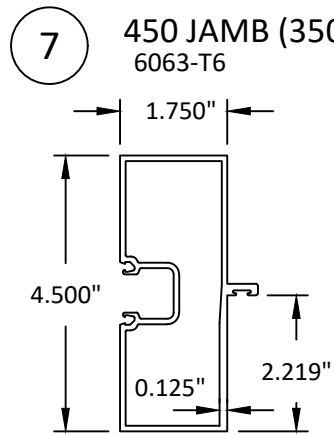
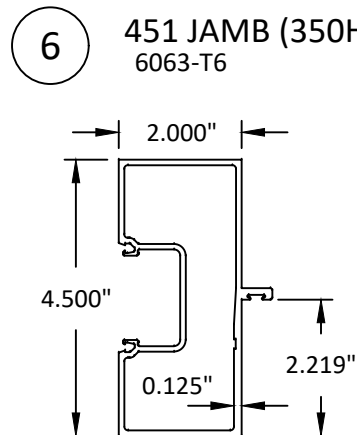
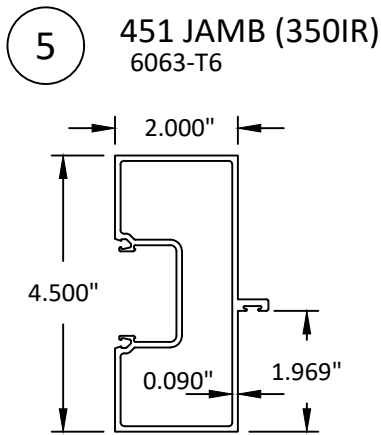
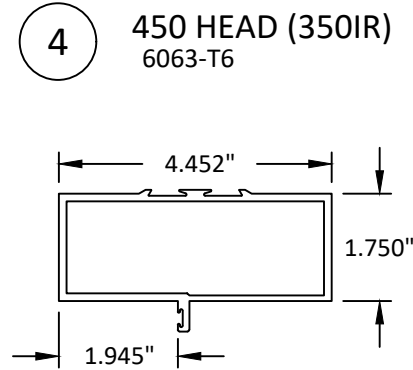
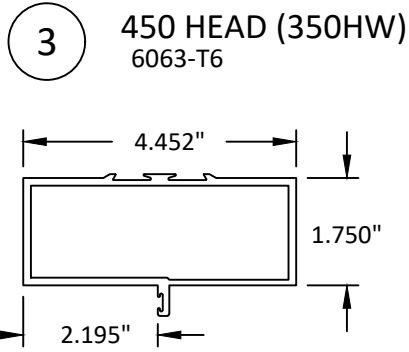
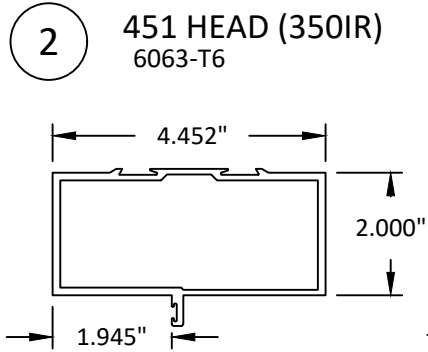
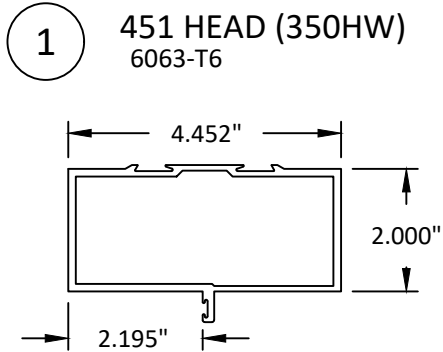
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SCALE: **NTS**

DWG. #: **KAW046**

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SHOWROOM DOOR - BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL/ MANUF./ NOTES	PART NO.
1	451 HEAD (350HW)	6063-T6	451058
2	451 HEAD (350IR)	6063-T6	451020
3	450 HEAD (350HW)	6063-T6	450058
4	450 HEAD (350IR)	6063-T6	450020
5	451 JAMB (350IR)	6063-T6	451018
6	451 JAMB (350HW)	6063-T6	451057
7	450 JAMB (350HW)	6063-T6	450057
8	450 JAMB (350IR)	6063-T6	450018
9	ACTIVE STILE (350IR)	6063-T6	200006
10	INACTIVE STILE (350IR)	6063-T6	200007
11	ACTIVE STILE (350HW)	6063-T6	200094
12	INACTIVE STILE (350HW)	6063-T6	200095
13	HINGE STILE (350IR)	6063-T6	200012
14	HINGE STILE (350HW)	6063-T6	200092
15	THRESHOLD (350HW)	6063-T6	069129
16	THRESHOLD (350IR)	6063-T6	069139
17	TOP RAIL (350HW)	6063-T6	200096
18	TOP RAIL (350IR)	6063-T6	200023
19	BOTTOM RAIL (350HW)	6063-T6	200097
20	BOTTOM RAIL (350IR)	6063-T6	200032
21	SHEAR-BLOCK	6063-T6	450103
22	INTERIOR GLASS STOP	6063-T6	575045
23	GLASS STOP (350HW)	6063-T6	575039
24	GLASS STOP (350IR)	6063-T6	575040
25	RISER BLOCK	6063-T6	048510
26	GLAZING GASKET (350IR)	POLYPROPYLENE	-
27	GLAZING GASKET (350HW)	TREMCO/EPDM	-
28	CONTINUOUS HINGE - 8'	KAWNEER STANDARD	050821
29	WHEEL CASTER/ CASTING MOUNT BRACKET	527-2 CASTER (2" DIA. RUBBER WHEEL)	048104
30	THRESHOLD CLIP	1010-1020 H.R. STEEL	038376
31	DOOR BULB WEATHERING	ALCRYN DUROMETER 60/ RIGID PVC	027078
32	DOOR SWEEP	EPDM 70	-
33	ADJUSTABLE ASTRAGAL WEATHERING	5052-H32 ALUMINUM/ NYLON/ POLYURETHENE/ EPDM	-
34	350IR GLAZING GASKET	KRP 027-557 POLYPROPYLENE & SANTOPRENE DUROMETER 65	-
35	350HW GLAZING GASKET	TREMCO TR-13536E EPDM DUROMETER 70	-



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BILL OF MATERIALS AND COMPONENTS

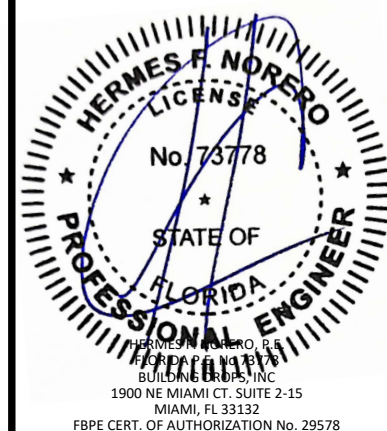
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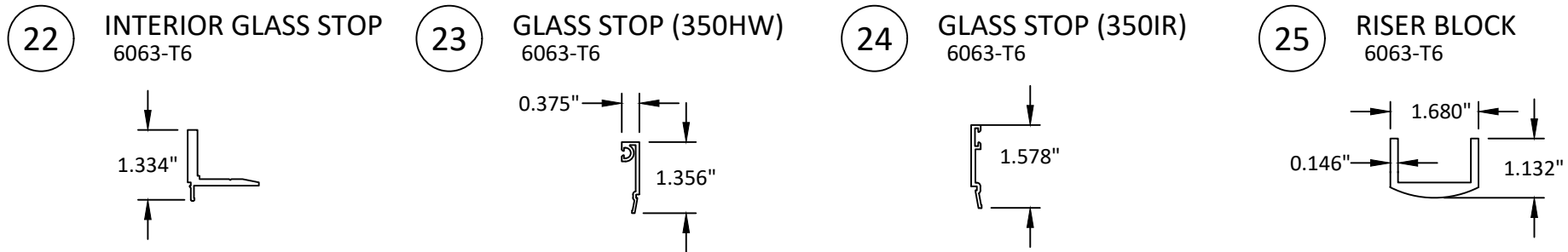
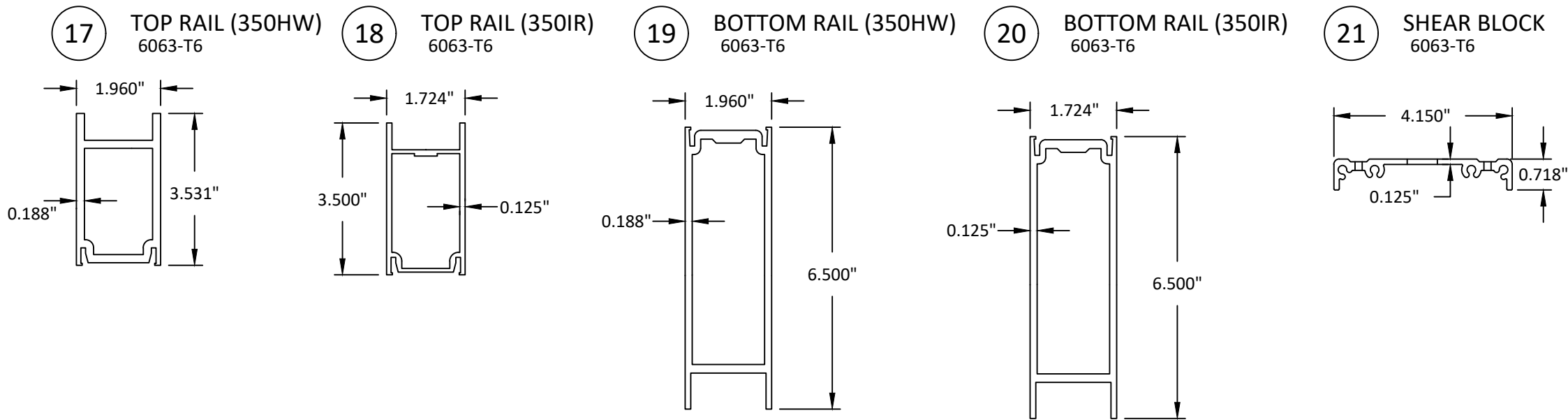
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