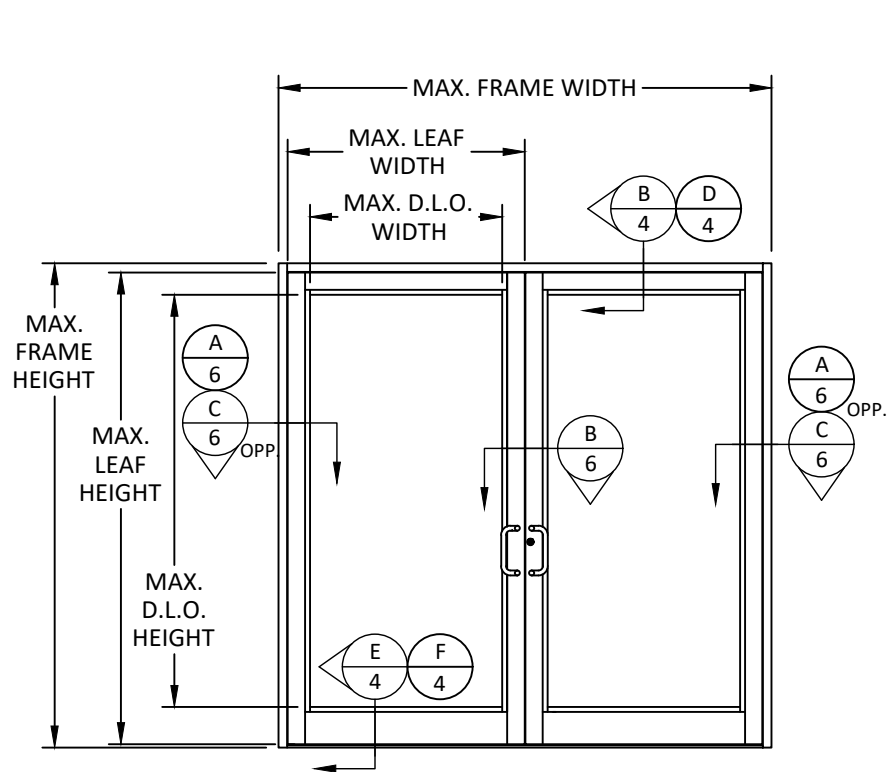


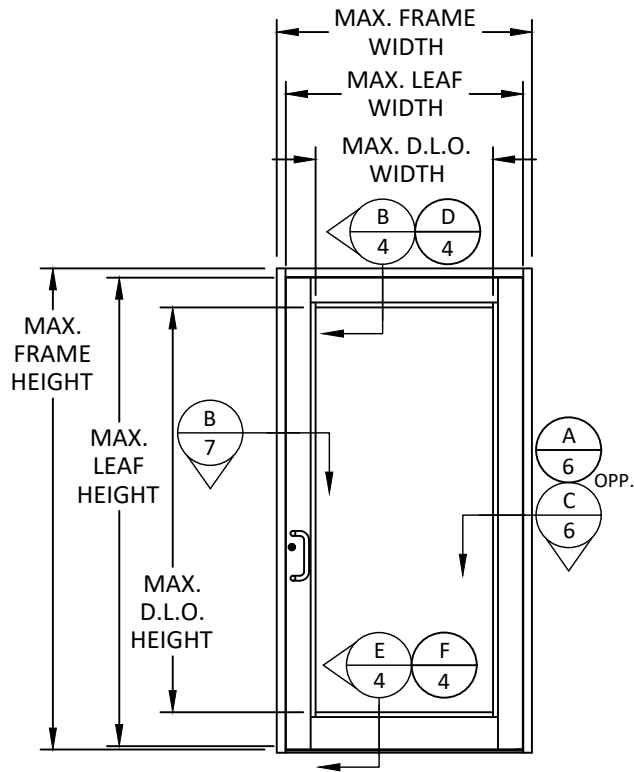
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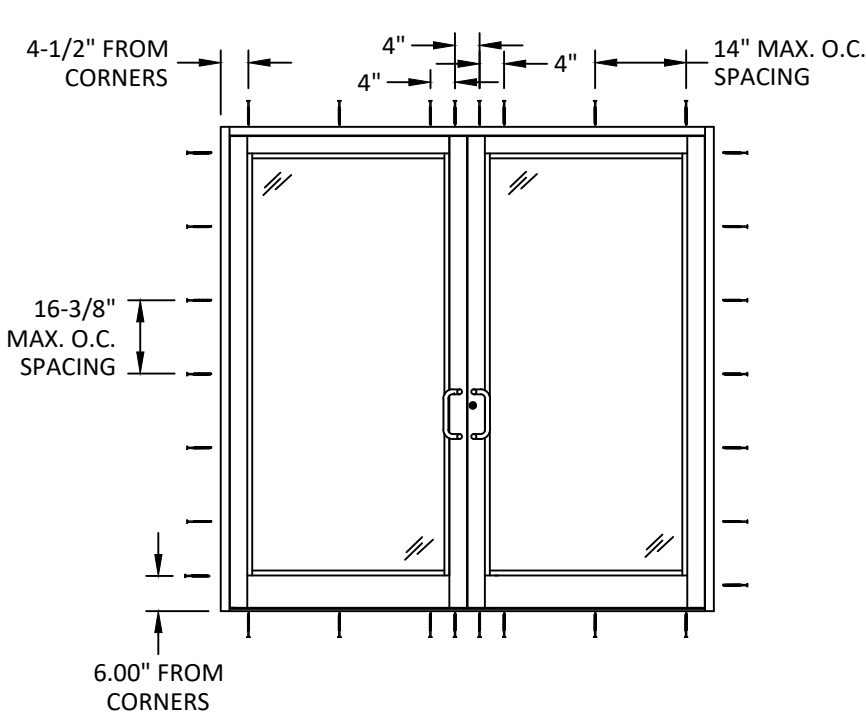
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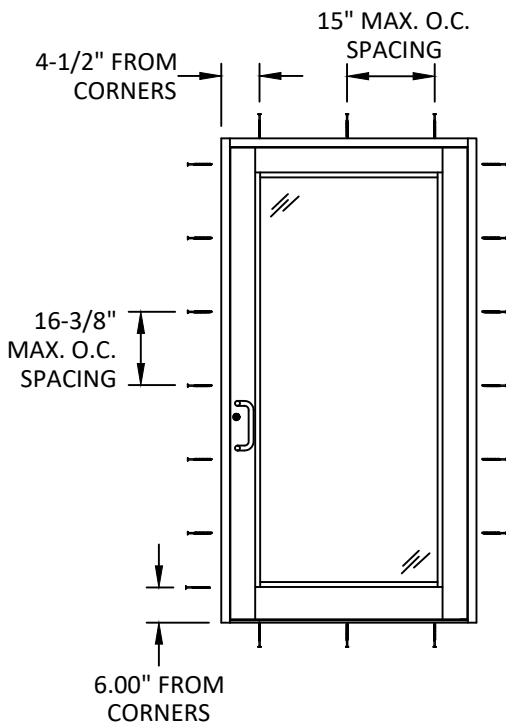
ELEVATION
IR 500/ IR501/ 450



ELEVATION
IR 500/ IR501/ 450



ANCHOR LAYOUT



ANCHOR LAYOUT

IR350/500 OUTSWING DOOR - DOOR LEGEND					
FRAME SERIES	STILE SERIES	DOOR OPENING (D.O.)		D.L.O.	
		WIDTH (W)	HEIGHT (H)	WIDTH (W)	HEIGHT (H)
500/501 FRAME	500 SERIES	FW - 5.00"	FH - 2.50"	D.O.(W) - 12-3/16"	D.O.(H) - 14-5/16"
	350 SERIES			D.O.(W) - 9-3/16"	D.O.(H) - 12-13/16"
521 FRAME	500 SERIES	FW - 5.50"	FH - 2.50"	D.O.(W) - 12-3/16"	D.O.(H) - 14-5/16"
	350 SERIES			D.O.(W) - 9-3/16"	D.O.(H) - 12-13/16"
450 FRAME	500 SERIES	FW - 3.50"	FH - 1.75"	D.O.(W) - 12-3/16"	D.O.(H) - 14-5/16"
	350 SERIES			D.O.(W) - 9-3/16"	D.O.(H) - 12-13/16"

NOTE:

- FW = FRAME WIDTH
- FH = FRAME HEIGHT
- FOR DOUBLE DOORS DIVIDE D.O.W BY TWO FOR D.L.O. WIDTH

DOOR LEAF CLEARANCE:

- 1/8" CLEARANCE AT HEAD AND JAMBS AND 11/16" CLEARANCE AT SILL
- 3/32" HINGE & LOCK CLEARANCE AT JAMBS

IR350 OUTSWING DOOR 9FT - LOCK SCHEDULE		
LOCK	INACTIVE	ACTIVE
LOCK 1	KAWNEER FLUSH BOLTS TOP AND BOTTOM FLUSH BOLT	ADAMS-RITE 1850 3-POINT LOCK SYSTEM WITH KAWNEER'S CYLINDER, THUMBTURN & PUSH PACKAGE
LOCK 2	KAWNEER 1686 PANIC DEVICE (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)	KAWNEER 1686 PANIC DEVICE SYSTEM WITH KAWNEER'S CYLINDER (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)
LOCK 3	FALCON HH 1690 PANIC DEVICE SYSTEM (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)	FALCON HH 1690 PANIC DEVICE SYSTEM WITH SHLAGE'S CYLINDER (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)
LOCK 4	VON DUPRIN HH-KAW-9947 PANIC DEVICE SYSTEM (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)	VON DUPRIN HH-KAW-9947 PANIC DEVICE SYSTEM WITH SHLAGE'S CYLINDER (PANIC DEVICE ACTUATES TOP & BOTTOM RODS)



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TITLE:
350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)/(IMPACT)

ELEVATIONS

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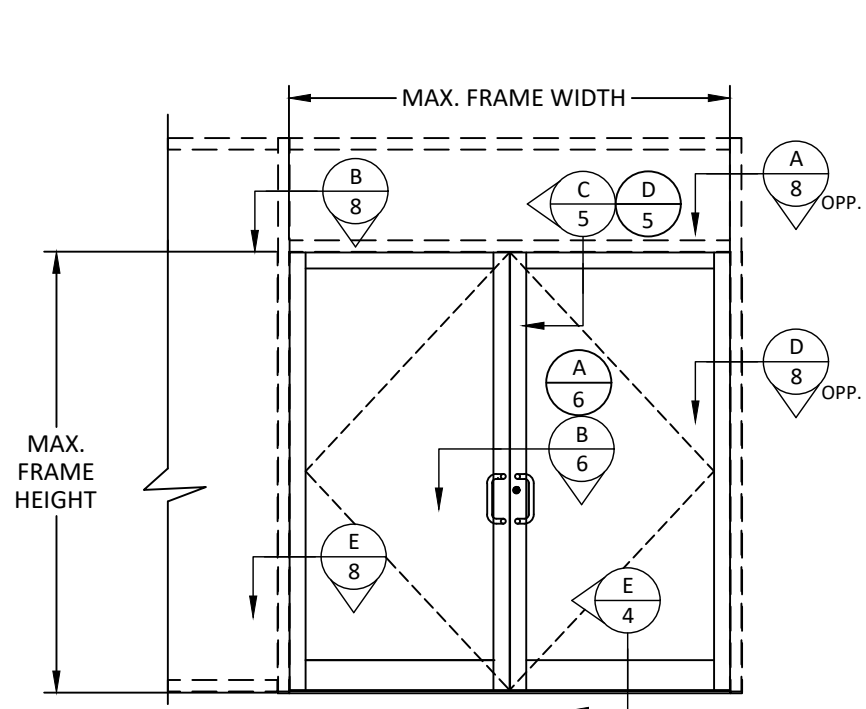
REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

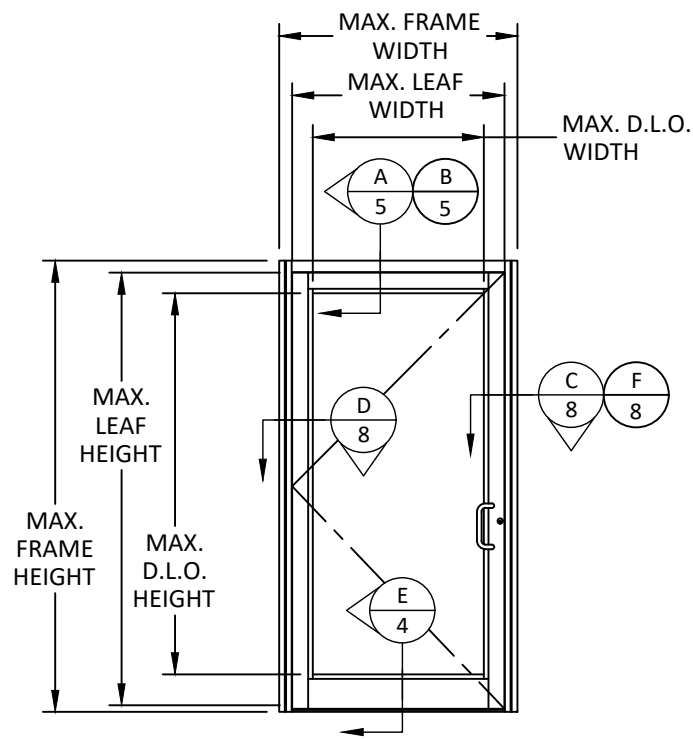


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DWG. #:	KAW041
SHEET:	2

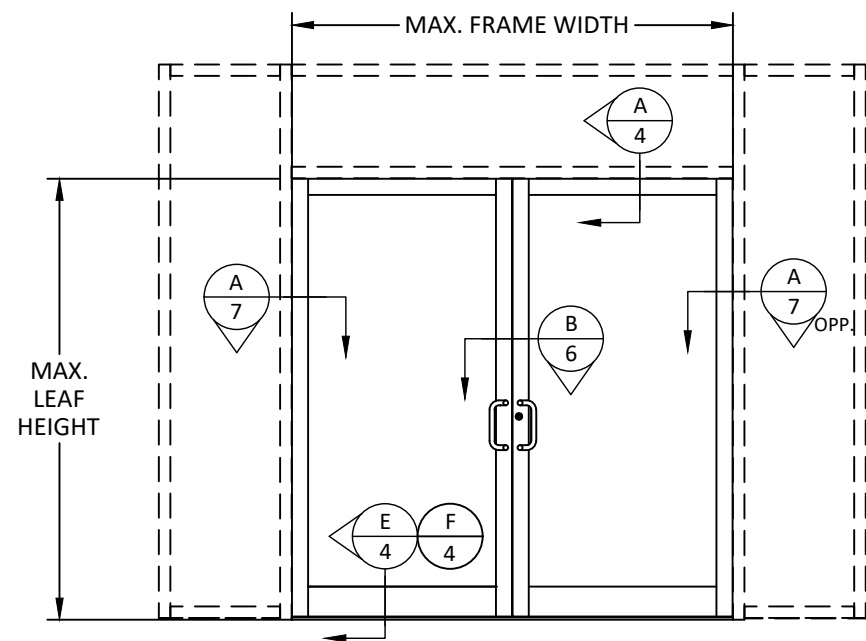
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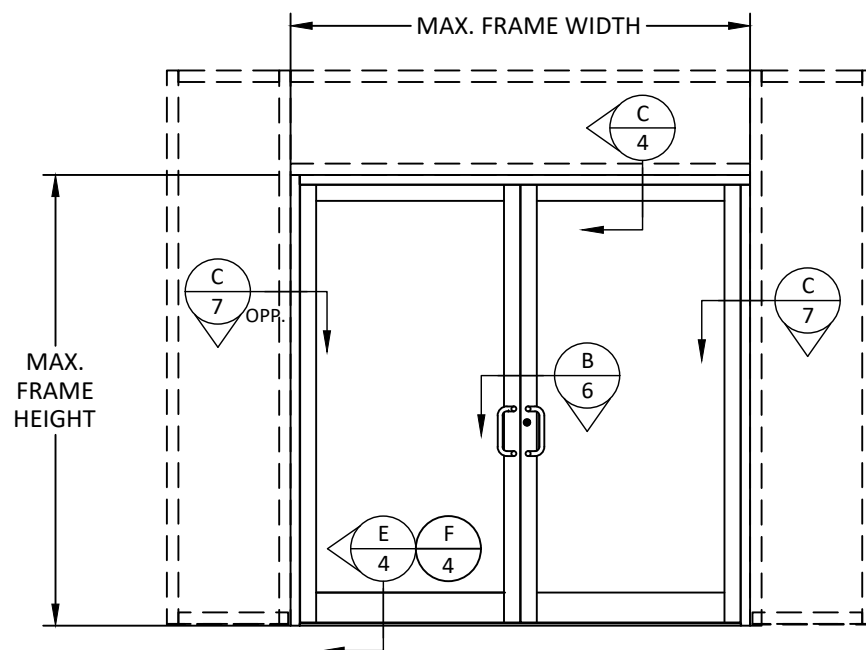
ELEVATION
DOORS INSIDE IR-521
STOREFRONT SYSTEM
(UNDER SEPARATE APPROVAL)



ELEVATION
IR-521 FRAME
STOREFRONT SYSTEM
(UNDER SEPARATE APPROVAL)



ELEVATION
DOORS INSIDE IR-500 OR IR-501
STORE FRONT SYSTEM
(UNDER SEPARATE APPROVAL)



ELEVATION
DOORS INSIDE 1600 SYSTEM 1
CURTAIN WALL
(UNDER SEPARATE APPROVAL)



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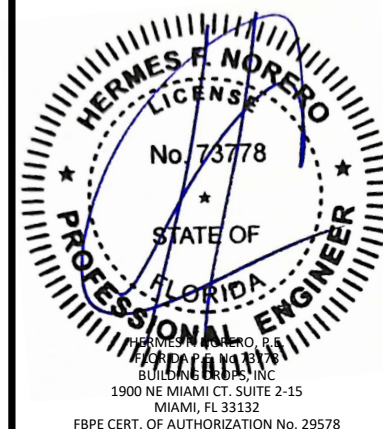
TITLE: 350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)/(IMPACT)
ANCHOR LAYOUTS

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FAX: (954)744-4738
WEB: www.buildingdrops.com



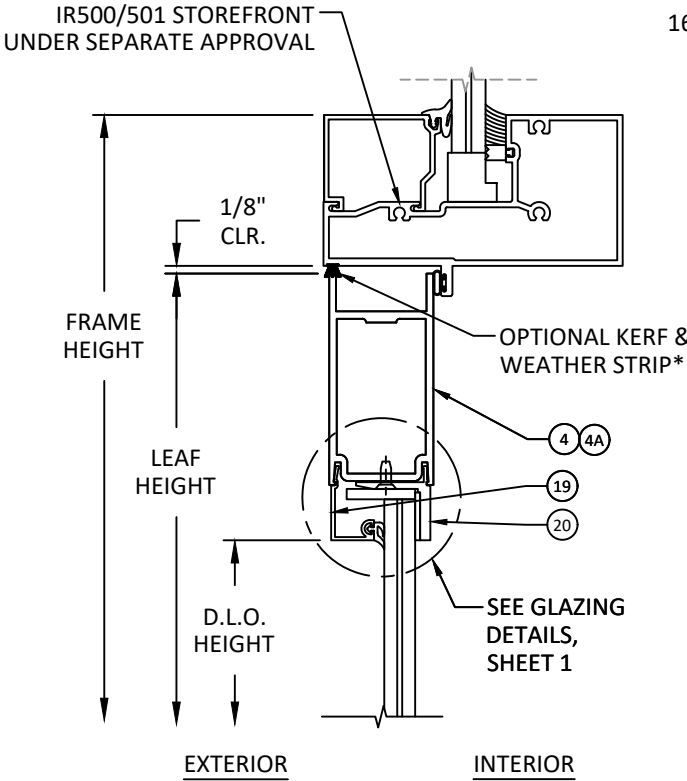
REMARKS	BY	DATE

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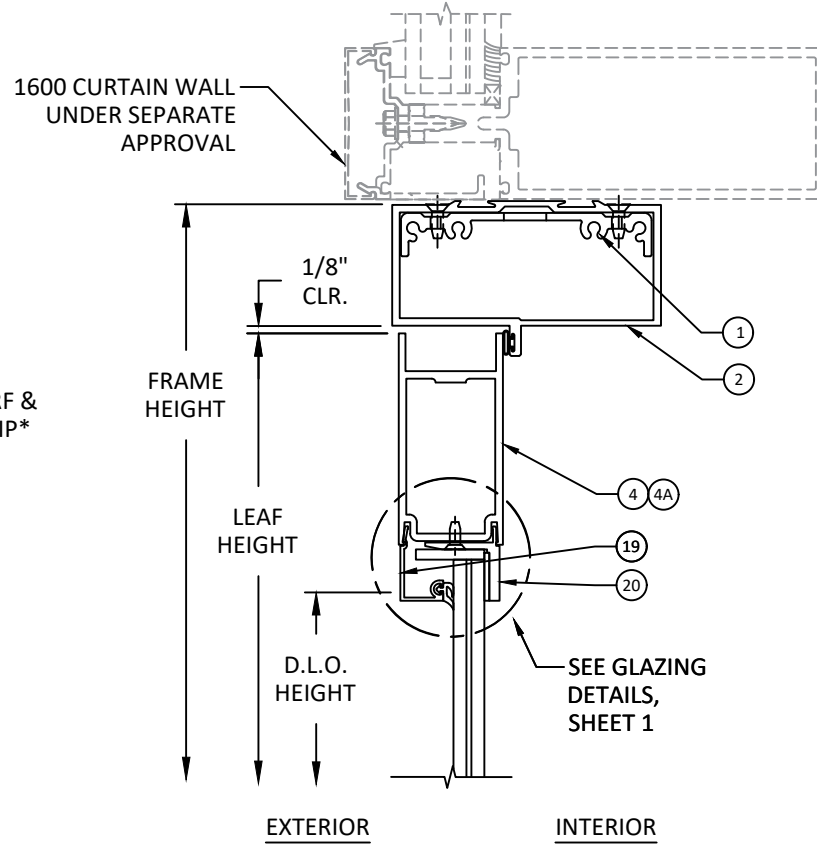


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DWG. #:	KAW041
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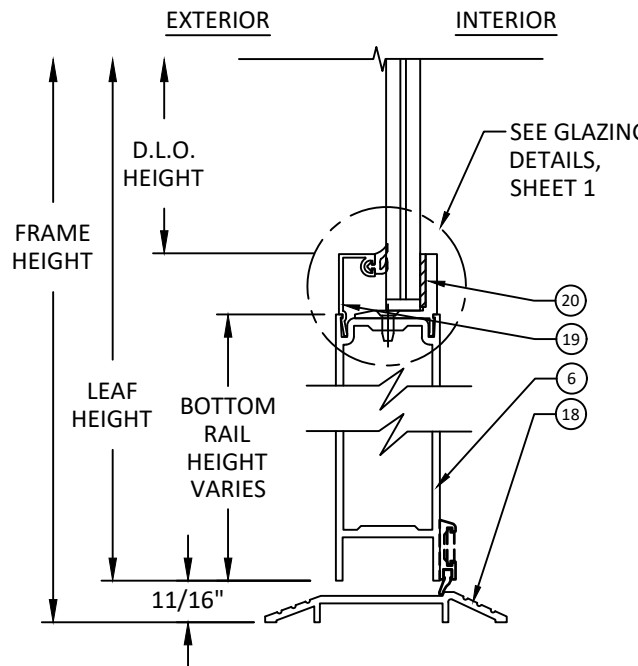
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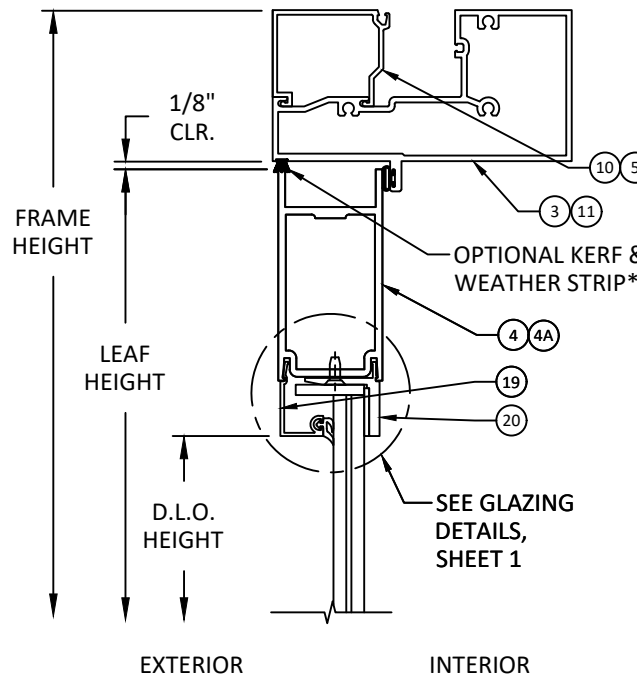
A
4 VERTICAL SECTION
TYP. HEAD DETAIL
IR500/501 STORE FRONT SYSTEM



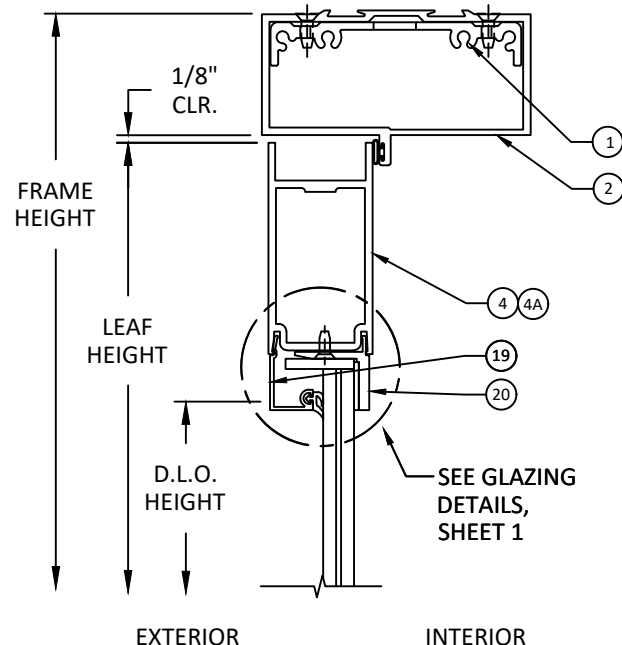
C
4 VERTICAL SECTION
TYP. HEAD DETAIL
1600 CURTAIN WALL SYSTEM



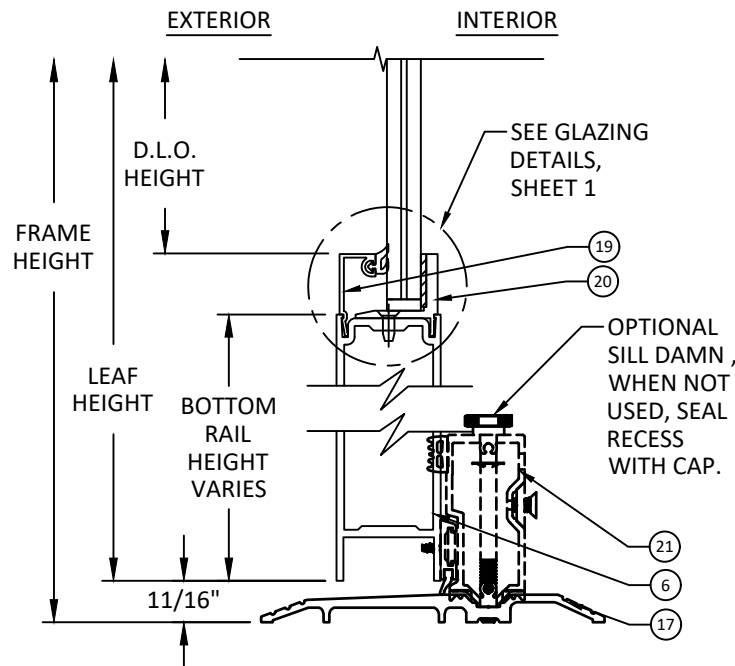
E
4 VERTICAL SECTION
TYP. SILL



B
4 VERTICAL SECTION
TYP. HEAD DETAIL
IR500/501 FRAME



D
4 VERTICAL SECTION
TYP. HEAD DETAIL
TRIFAB 450 FRAME



F
4 VERTICAL SECTION
TYP. SILL
SILL DAMN ASSEMBLY CONFIG.

NOTE:

- 350 SERIES TOP RAIL SHOWN, DETAILS FOR 500 SERIES ARE SIMILAR.
- SECTION F/4 IS ONLY USED WITH WATER RATED DOORS.

* THE KERF & WEATHER STRIP IS OPTIONAL FOR SECTION A/4 AND B/4, AND IS ONLY USED WITH WATER RATED DOORS.



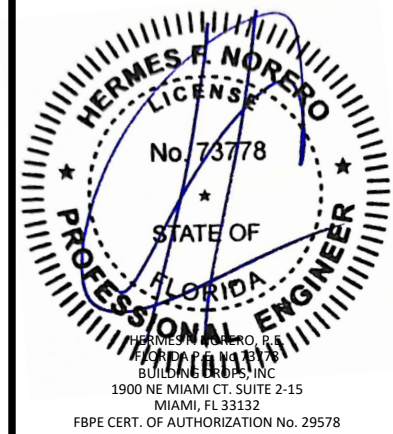
KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
PH: (770) 449 - 5555

TITLE:
350/500 IR 9 FT. TALL
OUTSWINGING DOORS
(HVHZ)/(IMPACT)
VERTICAL SECTIONS

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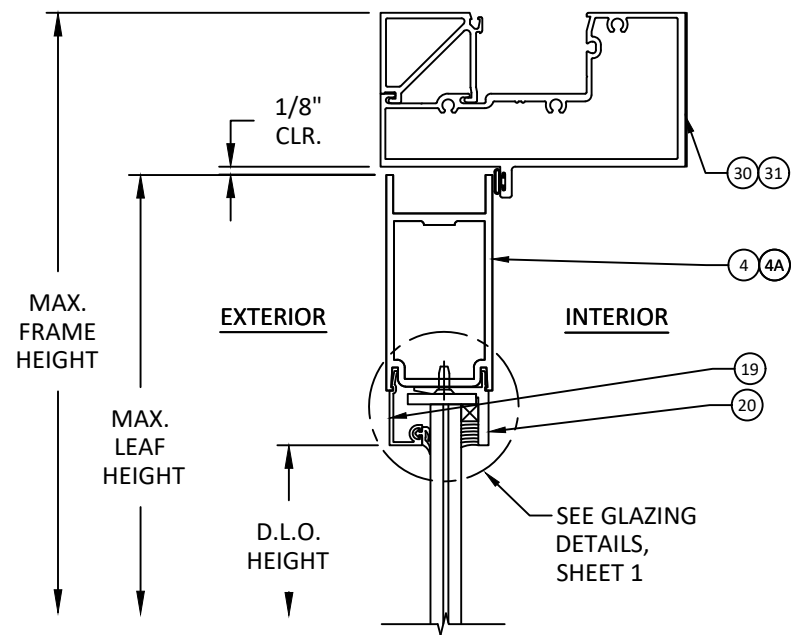
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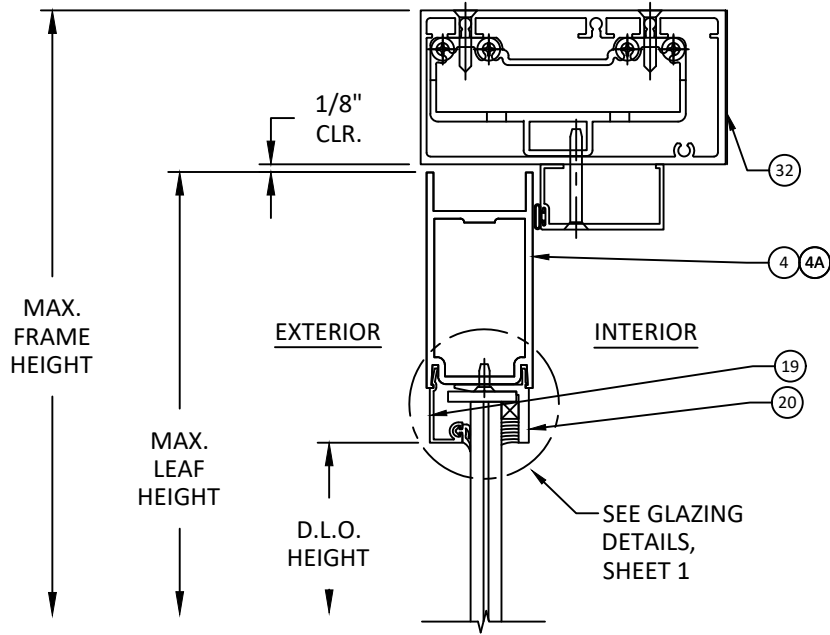


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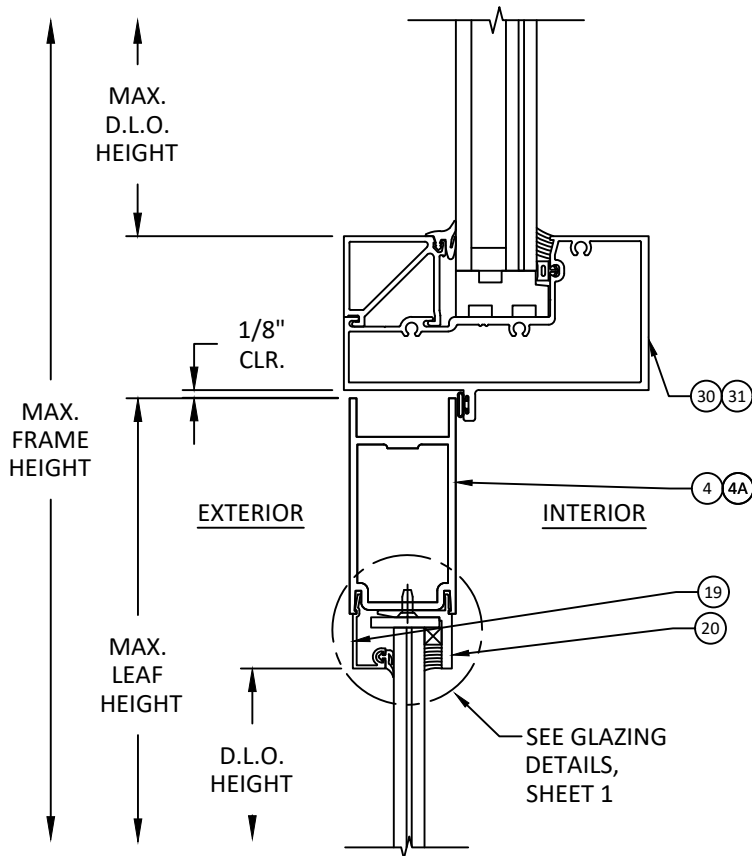
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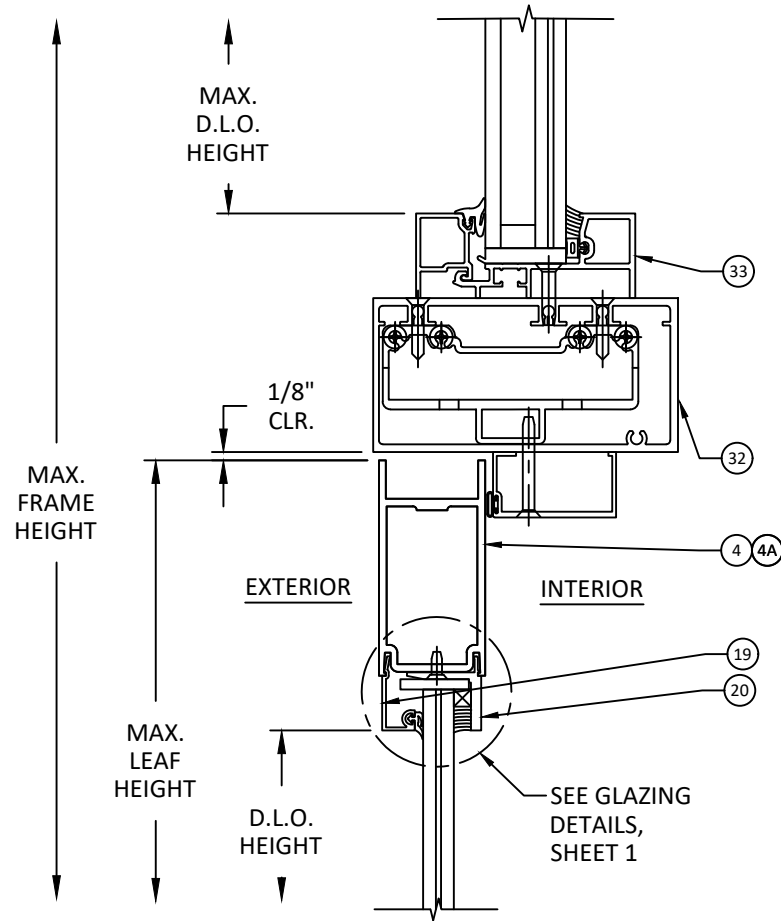
A
5 VERTICAL SECTION
TYP. HEAD DETAIL
IR521 FRAME



B
5 VERTICAL SECTION
TYP. HEAD DETAIL
IR521 FRAME - COC HEADER



C
5 VERTICAL SECTION
TYP. HEAD DETAIL
IR521 TRANSOM BAR



D
5 VERTICAL SECTION
TYP. HEAD DETAIL
IR521 COC HEADER - TRANSOM



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TITLE: 350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)/(IMPACT)
VERTICAL SECTIONS

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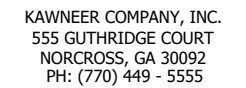
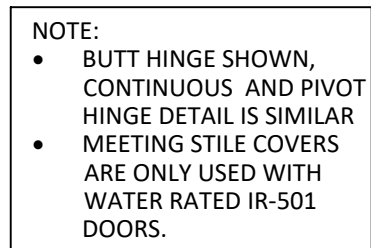


REMARKS	BY	DATE

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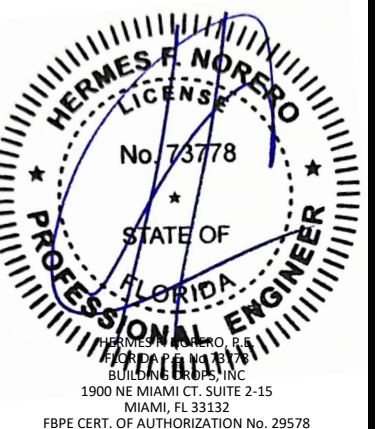


BD
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REMARKS	BY	DATE

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DATE: 03.11.2025

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SCALE: NTS

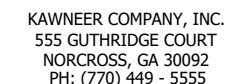
DWG. #: KAW041

SHEET:

6



NOTE:
350 SERIES STILE SHOWN,
DETAILS FOR 500 SERIES ARE
SIMILAR.



350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)(IMPACT)
HORIZONTAL SECTIONS

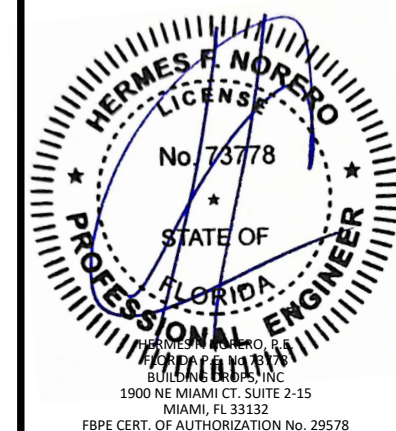
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FL47880

DATE: 03.11.2025

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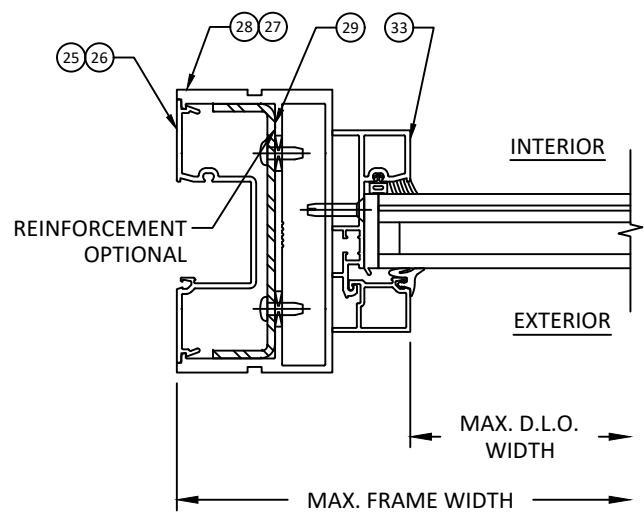
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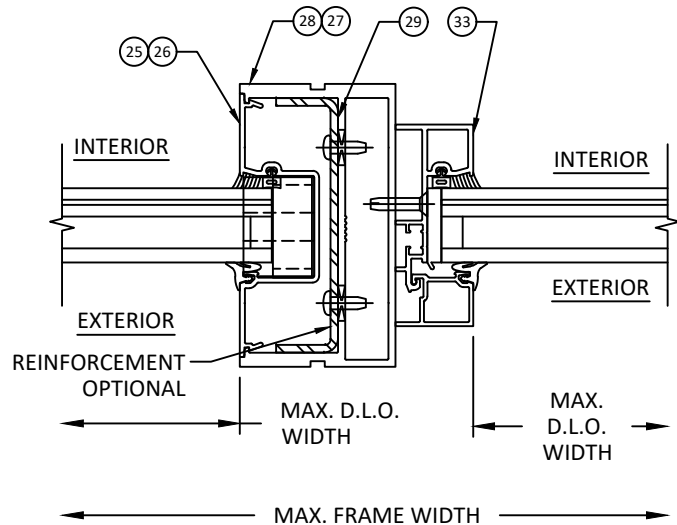
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OF 12

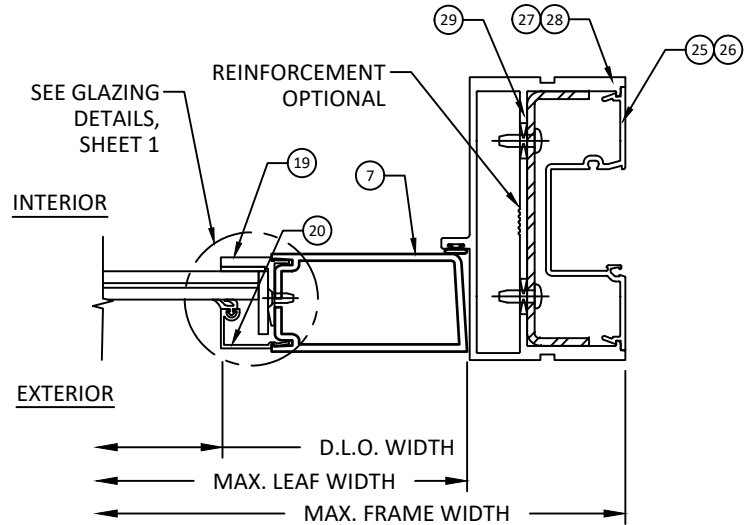
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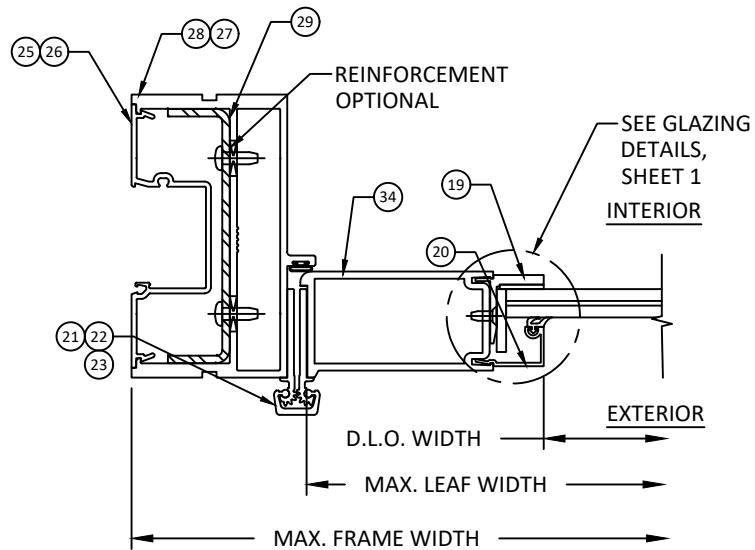
A
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 TRANSOM FRAME



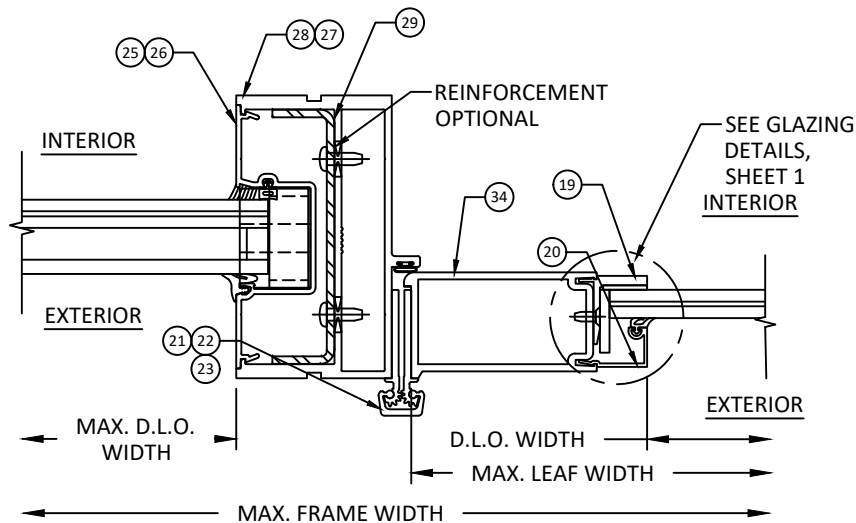
B
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 TRANSOM JAMB AT SIDELITE



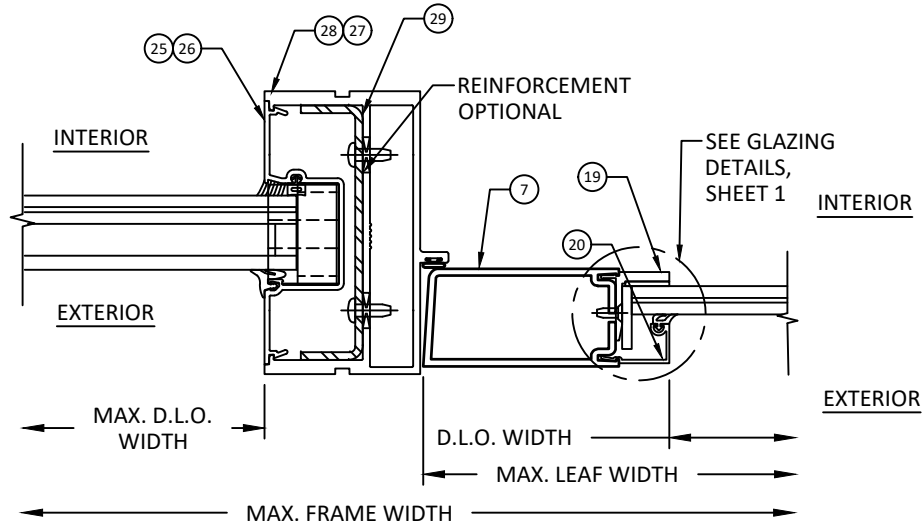
C
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 LOCK JAMB



D
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 HINGE JAMB



E
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 HINGE JAMB AT SIDELITE



F
8 HORIZONTAL SECTION
TYP. JAMB DETAIL
IR521 LOCKING JAMB AT SIDELITE



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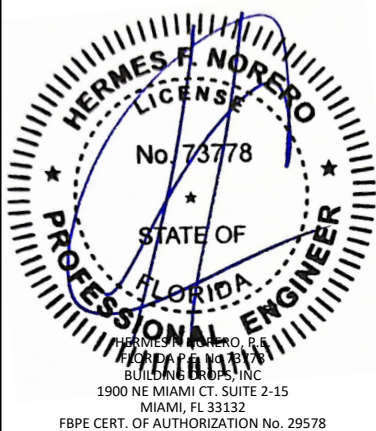
TITLE:
350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)/(IMPACT)
HORIZONTAL SECTIONS

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**350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ/IMPACT)**

ANCHOR DETAILS

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FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

A
9 **VERTICAL SECTION**
TYP. TRIFAB 450/451 HEAD INSTALLATION
THROUGH FRAME

C
9

VERTICAL SECTION

TYP. IR500/501 HEAD INSTALLATION
THROUGH FRAME

E
9

VERTICAL SECTION

TYP. IR521 COC HEAD INSTALLATION
THROUGH FRAME

B
9

VERTICAL SECTION

TYP. SILL INSTALLATION
THROUGH FRAME

D 9 VERTICAL SECTION

TYP. IR521 HEAD INSTALLATION
THROUGH FRAME

F
9 **HORIZONTAL SECTION**
TYP. IR500/501 JAMB INSTALLATION
THROUGH FRAME

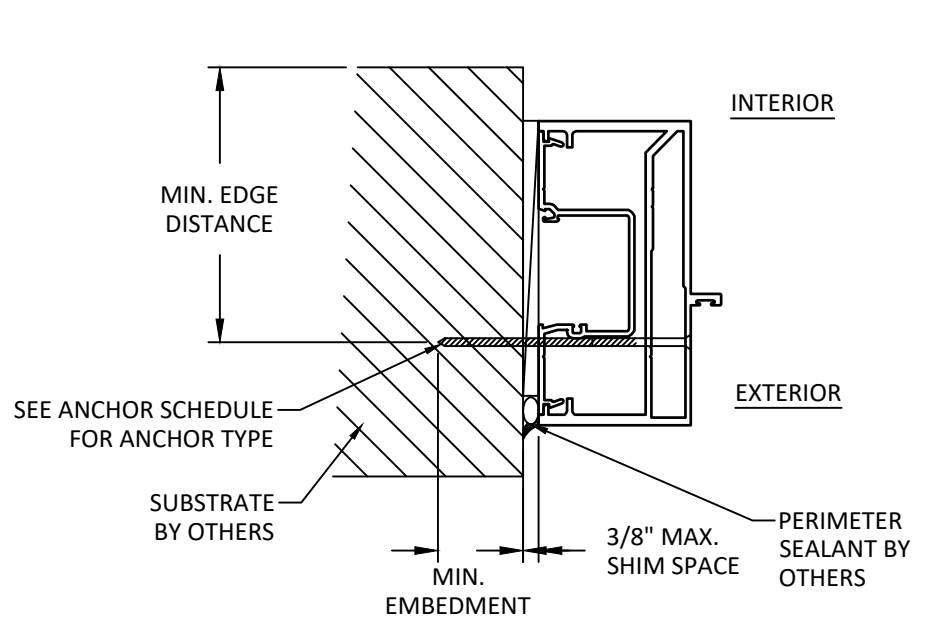
HERMES F. NOREÑO, P.E.
 FLORIDA P.E. No. 73778
 BUILDING DROPS, INC
 1900 NE MIAMI CT. SUITE 2-15
 MIAMI, FL 33132
 FBPE CERT. OF AUTHORIZATION No. 29578

SHEET:

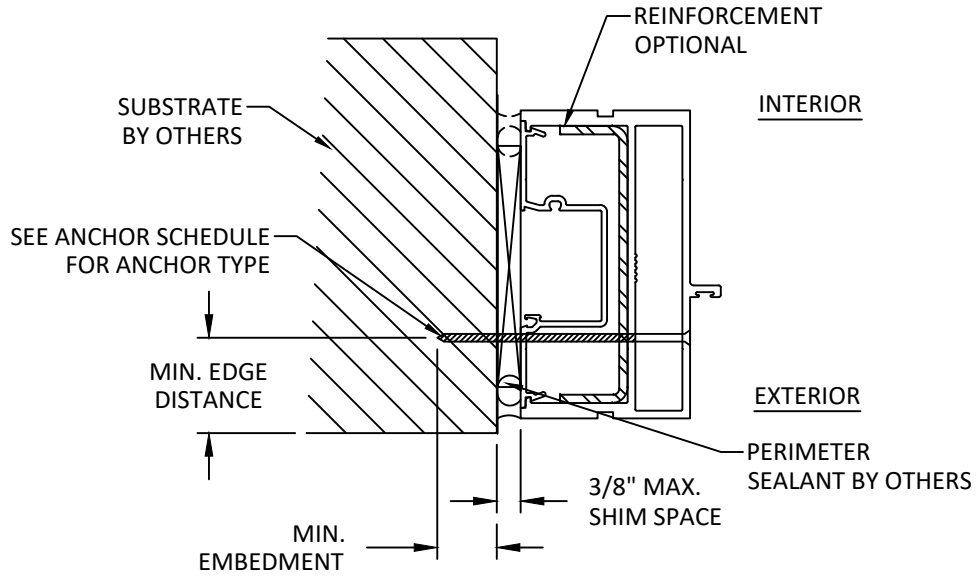
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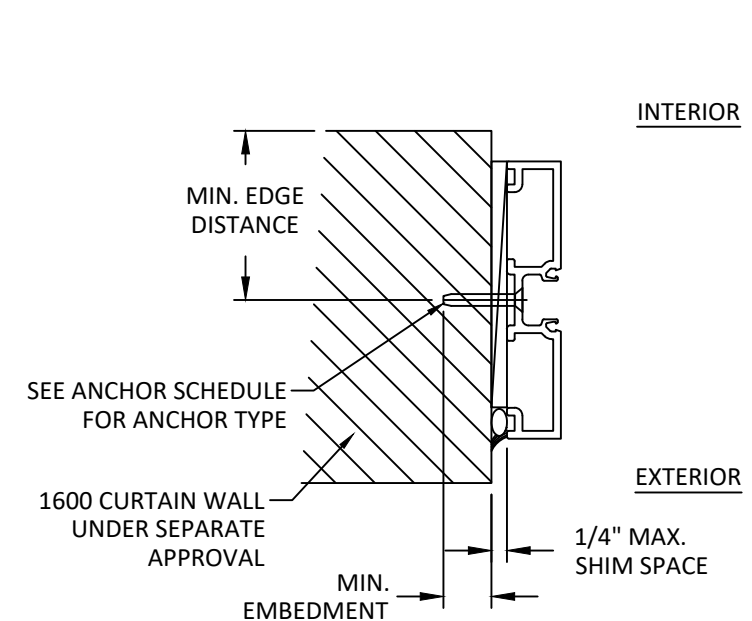
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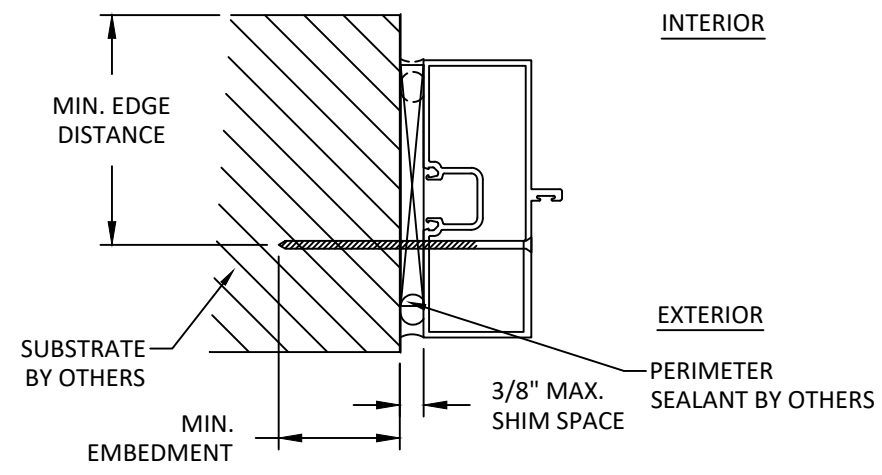
A
10 **HORIZONTAL SECTION**
TYP. IR 500/501 JAMB INSTALLATION
THROUGH FRAME



B
10 **HORIZONTAL SECTION**
TYP. IR521 JAMB INSTALLATION
THROUGH FRAME



D
10 **HORIZONTAL SECTION**
CURTAIN WALL JAMB INSTALLATION
THROUGH FRAME



C
10 **HORIZONTAL SECTION**
TYP. TRIFAB 450 JAMB INSTALLATION
THROUGH FRAME

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.

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-DRILLING/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"	2.00"
	1/4" ITW TAPCON	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.00"	2.00"



KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
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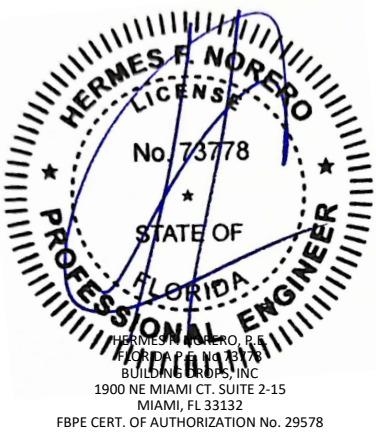
350/500 IR 9 FT. TALL
OUTSWING DOORS
(HVHZ)/(IMPACT)
ANCHOR DETAILS AND
INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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REMARKS	BY	DATE

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FL #:

FL47880

DATE: **03.11.2025**

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

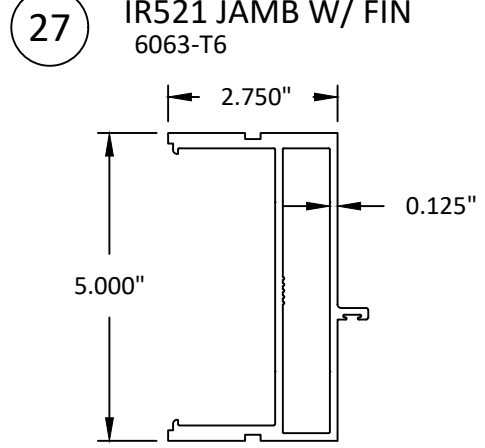
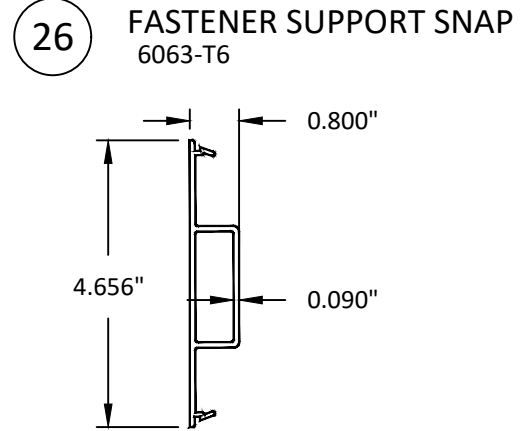
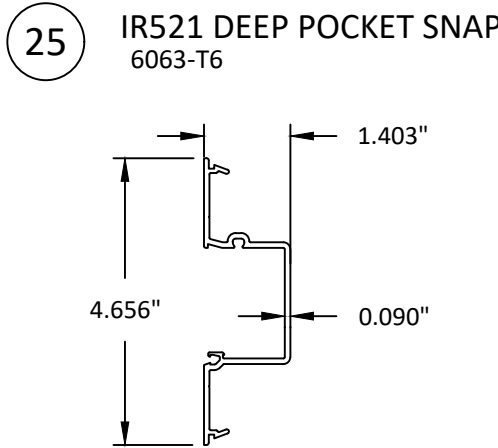
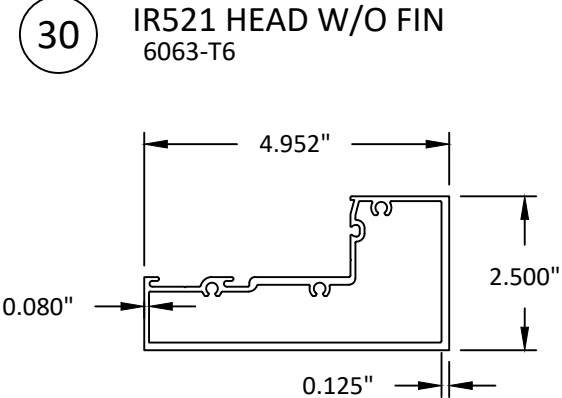
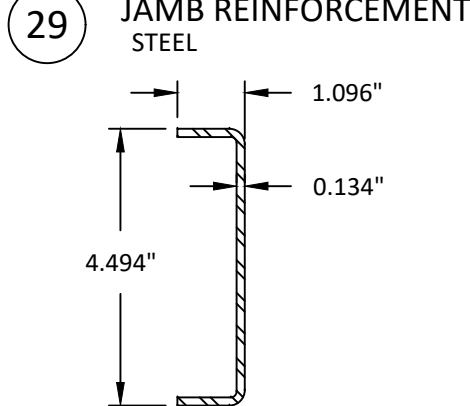
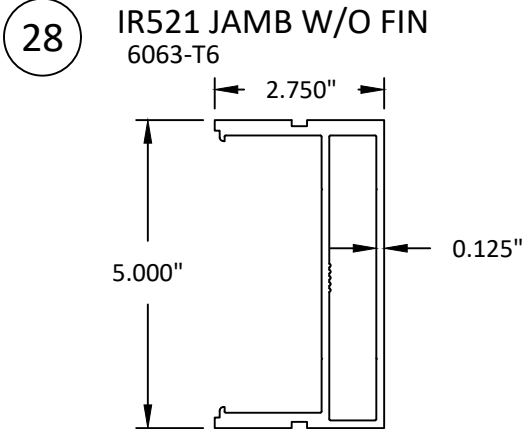
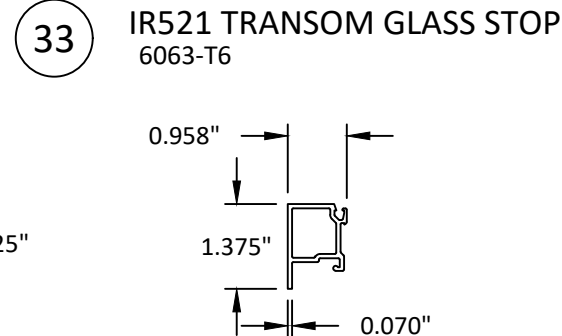
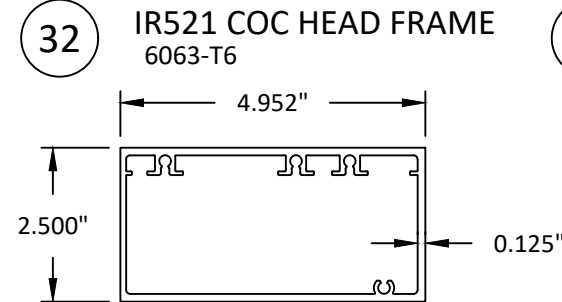
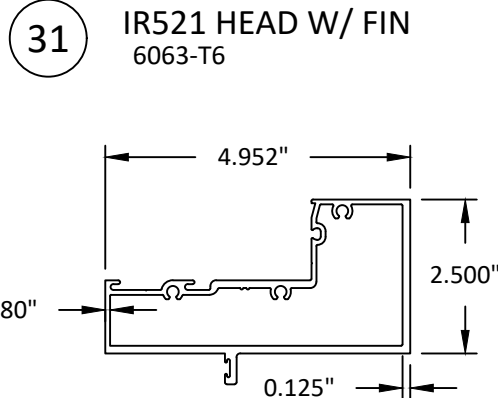
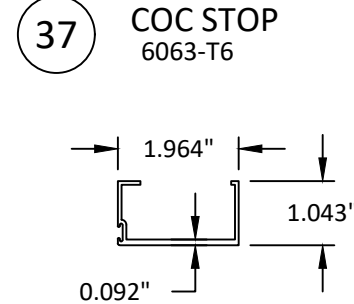
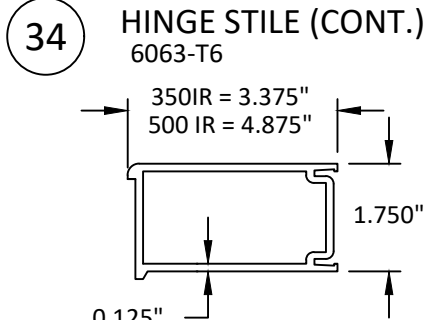
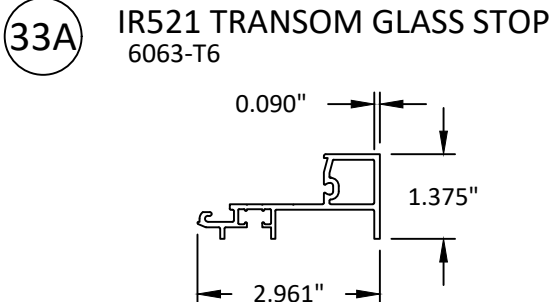
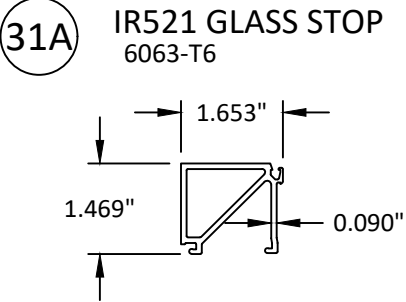
DWG. #: **KAW041**

SHEET:

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OF 12

BILL OF MATERIALS			
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	PART #
25	IR521 DEEP POCKET SNAP	6063-T6 ALUMINUM	521CG019
26	FASTENER SUPPORT SNAP	6063-T6 ALUMINUM	575052
27	IR521 JAMB W/FIN	6063-T6 ALUMINUM	521CG018
28	IR521 JAMB W/O FIN	6063-T6 ALUMINUM	521CG318
29	JAMB REINFORCEMENT	6063-T6 ALUMINUM	575310
30	IR521 HEAD W/O FIN	6063-T6 ALUMINUM	521CG320
31	IR521 HEAD W/ FIN	6063-T6 ALUMINUM	521CG020
31A	IR521 GLASS STOP	6063-T6 ALUMINUM	521CG404
32	IR521 COC HEAD FRAME	6063-T6 ALUMINUM	521CG079
33	IR521 TRANSOM GLASS STOP	6063-T6 ALUMINUM	521CG027
33A	IR521 TRANSOM GLASS STOP	6063-T6 ALUMINUM	521CG022
34	HINGE STILE (CONT.)	6063-T6 ALUMINUM	200012
35	SNAP IN DOOR STOP	6063-T6 ALUMINUM	450086
36	DOOR STOP ASSEMBLY	6063-T6 ALUMINUM	069177
37	COC STOP	6063-T6 ALUMINUM	041045
SEALS AND SEALANTS			
38	DOOR BULB WEATHERING (WITH MON. GLASS)	ALCRYN	027078
39	.210 PILE WEATHERSTRIP (WITH MON. GLASS)	PVC UNPLASTICIZED	027474
40	GLAZING GASKET (WITH MON. GLASS)	TREMCO TR-13536E EPDM DUROMETER 70 +/-5	027563
	GLAZING TAPE / SILICONE SPACER	SEMI-RIGID POLYURETHANE FOAM	127041
42	SETTING BLOCK (WITH MON. GLASS)	NEOPRENE	027342
43	DOOR BOTTOM RAIL WEATHER SWEEP	VARIED	200795
44	ADJUSTABLE ASTRAGAL WEATHERING	VARIED	200497
45	GLAZING GASKET (WITH MON. GLASS)	KRP 027-557 POLYPROPYLENE & SANTOPRENE DUROMETER 65 +/-5	027557
	SETTING BLOCK (WITH I.G. GLASS)	NEOPRENE	027059
47	GLAZING TAPE (WITH I.G. GLASS)	3M VHB	200948
MISC. FASTENERS			
48	NO. 12 X 2" SCREW	3" FROM ENDS & MAX. 11" O.C.	
49	NO. 12-24 X 9/16" S.S SCREW	8 PER HINGE	
50	NO. 12-24 X 13/32" SCREW	2, 9/16" FROM ENDS & MAX. 5, 1/8" O.C. (52 MAX. PER HINGE)	
	5/16"-18 X 5/8" S.S SCREW	2 PER TOP PIVOT HINGE	
52	NO. 12-24 X 9/16" S.S SCREW	2 PER INTERMEDIATE PIVOT HINGE	
53	1/4-20 X 3/8" S.S SCREW	3 PER BOTTOM PIVOT HINGE	
54	NO. 6 X 11/16" S.S SCREW	10 PER LEAF	
55	NO. 10 X 9/16" S.S SCREW	2 PER CLIP	
56	NO. 10 X 1, 9/32" S.S SCREW	4 PER CLIP	
57	NO. 10 X 1/2" S.S SCREW	3 FROM ENDS & MAX. 7, 1/2" O.C. AT TOP & BOTTOM RAILS; 3 FROM ENDS & MAX. 11, 1/8" O.C. AT STILES	
	NO. 6 X 3/8" S.S SCREW	14 FROM ENDS & MAX. 9, 17/32" O.C.	



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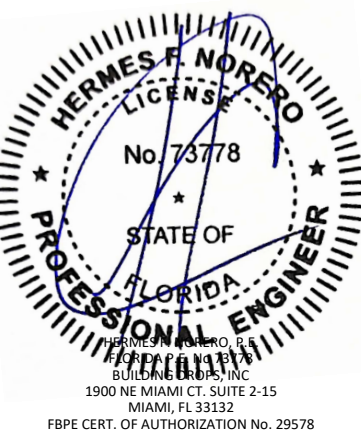
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SHEET:	12 OF 12