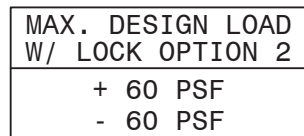
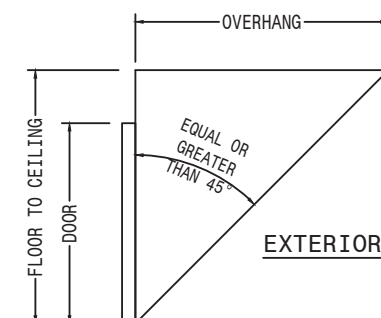


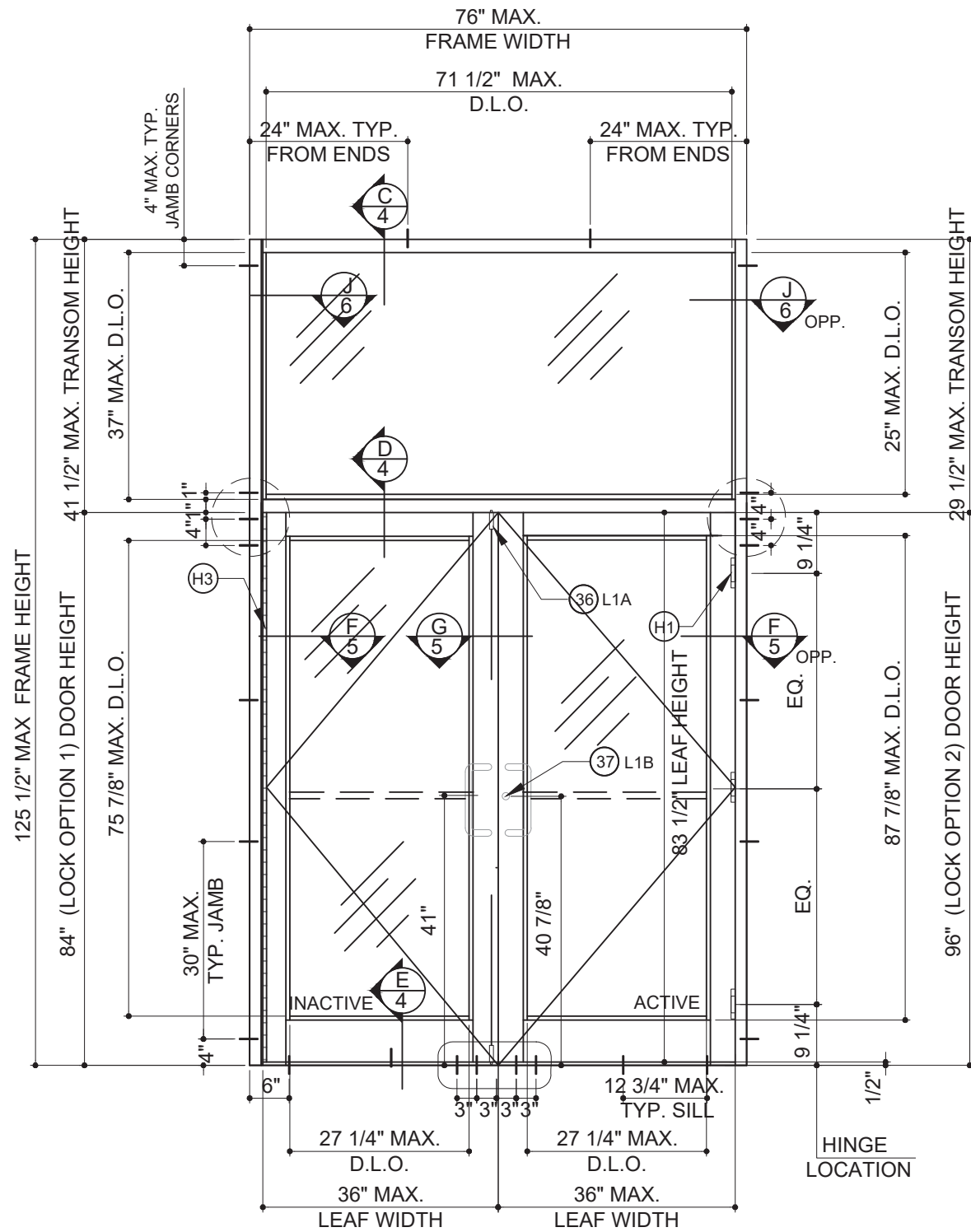


- APPLICABLE
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

NOTE:
1- UNITS MUST BE INSTALLED AT LOCATIONS
PROTECTED BY AN OVERHANG MEETING CRITERIA AS
PER ILLUSTRATION BELOW OR IN NON-HABITABLE
AREAS WHERE WATER INFILTRATION IS ACCEPTABLE.

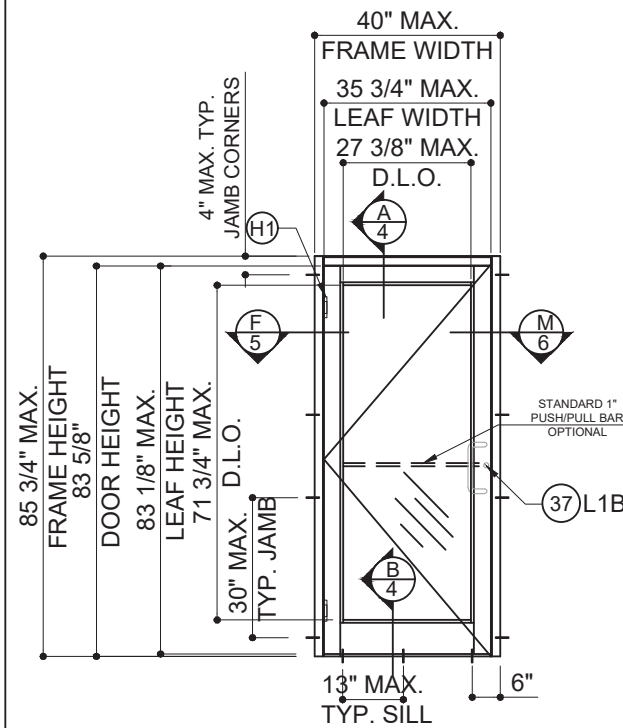


DRAWING No:
1 OF 9



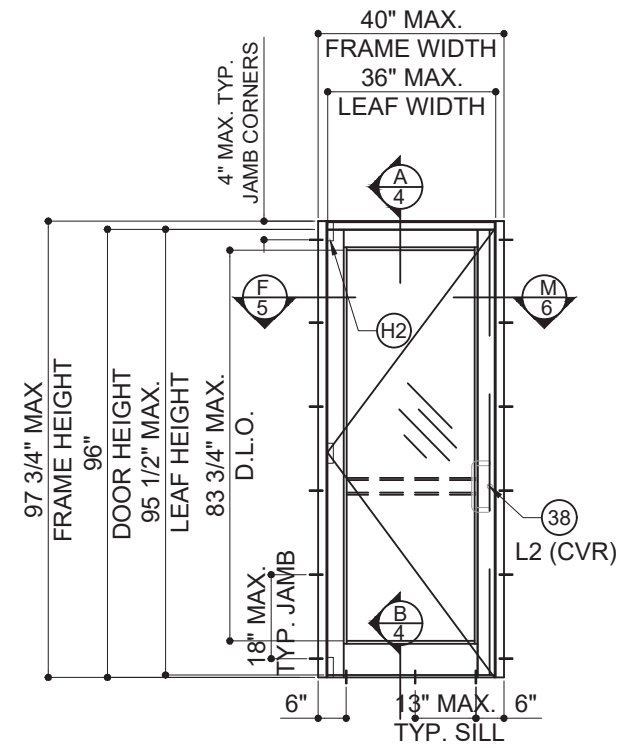
OUTSWING DOOR WITH TRANSOM
W/ LOCK OPTION 1 (SEE SHEET 3)
TYPICAL EXTERIOR ELEVATION

MAX. DESIGN LOAD W/ LOCK OPTION 1 (DOOR HEIGHT 84" MAX)	MAX. DESIGN LOAD W/ LOCK OPTION 2 (DOOR HEIGHT 96" MAX)
+ 40 PSF - 40 PSF	+ 40 PSF - 40 PSF



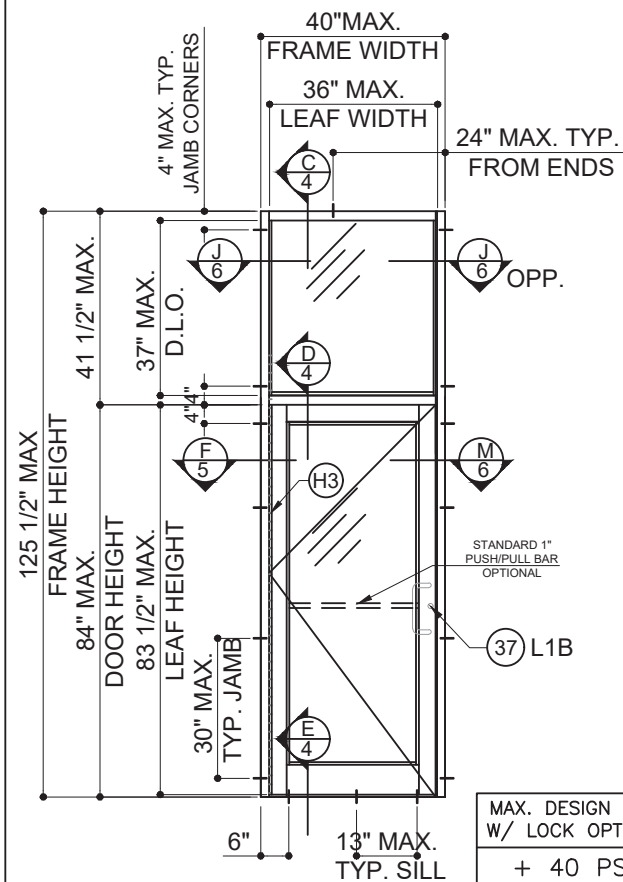
OPTION 1
OUTSWING SINGLE DOOR
ELEVATION

MAX. DESIGN LOAD W/ LOCK OPTION 1
+ 40 PSF - 40 PSF



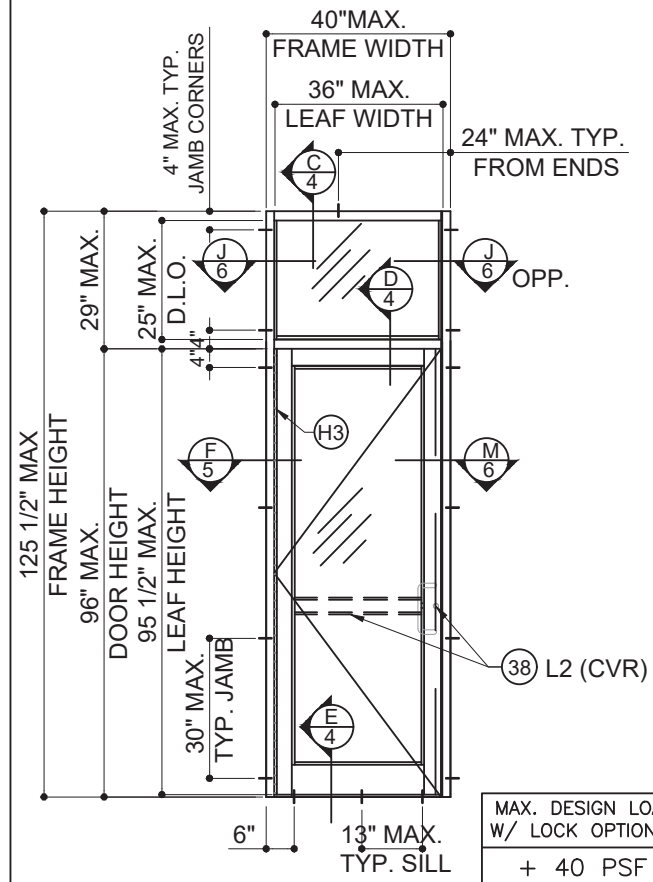
OPTION 2
OUTSWING SINGLE DOOR
ELEVATION

MAX. DESIGN LOAD W/ LOCK OPTION 2
+ 60 PSF - 60 PSF



OPTION 3
OUTSWING SINGLE DOOR WITH TRANSOM
ELEVATION

MAX. DESIGN LOAD W/ LOCK OPTION 1
+ 40 PSF - 40 PSF



OPTION 4
OUTSWING SINGLE DOOR WITH TRANSOM
ELEVATION

MAX. DESIGN LOAD W/ LOCK OPTION 2
+ 40 PSF - 40 PSF



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PRODUCT:

MS-300 (MEDIUM
STILE) & WS-500
(WIDE STILE)
OUTSWING
DOORS
W/ WO TRANSOM
(NON-IMPACT)

REV#	DATE/REMARKS
REV.3	08/01/23 UPDATE TO FBC2023

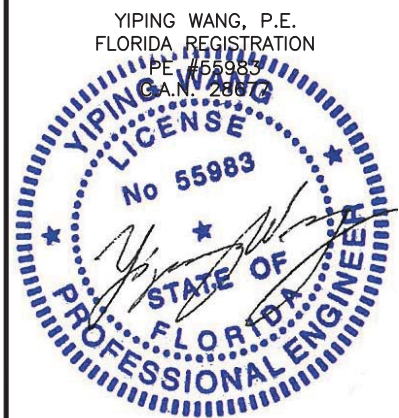
ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

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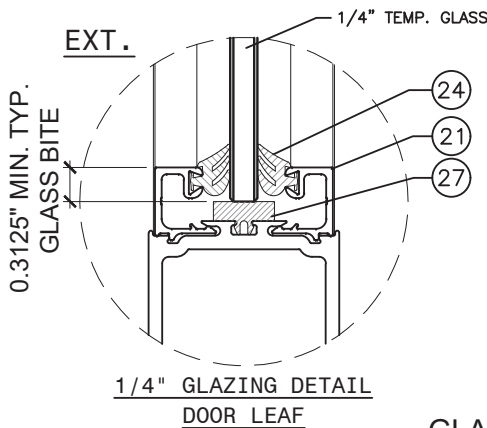
August 11th, 2023

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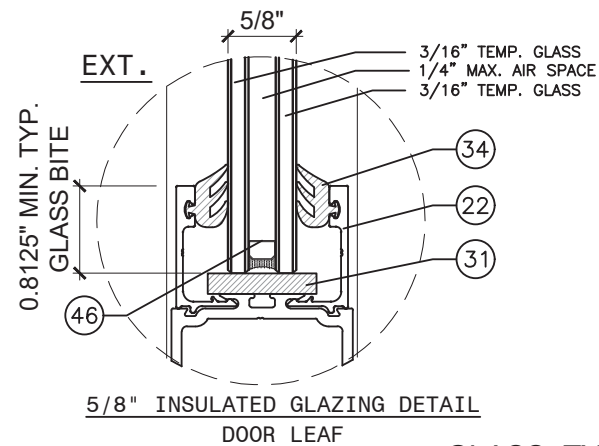
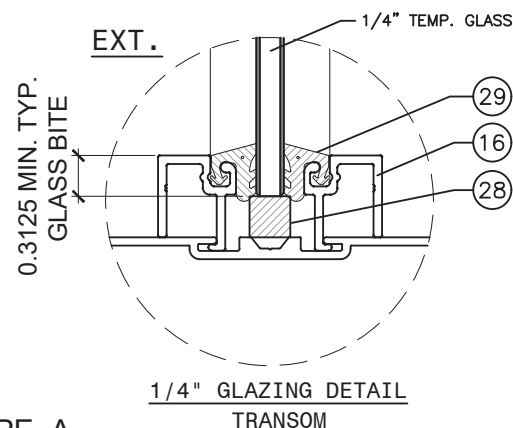
FL#17616.1

DRAWN: James
DATE: 08/01/23
DWG: AD15-22

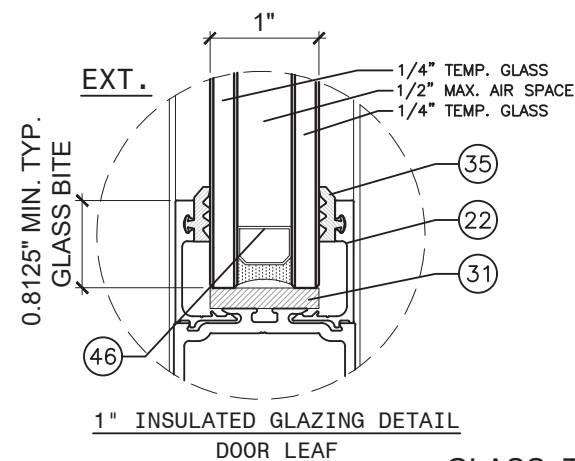
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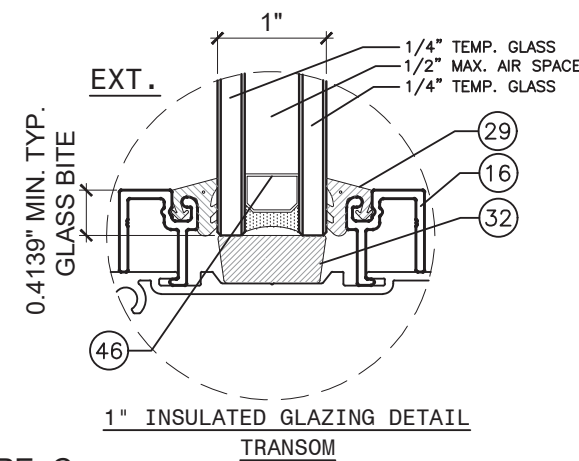
GLASS TYPE A



GLASS TYPE B



GLASS TYPE C



NOTE:
GLAZING COMPLY WITH ASTM E 1300-09

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" DIA. ULTRACON+ (Fu=164ksi Fy=148ksi)
OR 1/4" DIA. TAPCON (Fu=120ksi Fy=92ksi)
THRU 1BY OR 2BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.
1-1/2" MIN. EMBED INTO 2X WOOD BUCKS OR WOOD STRUCTURAL

TYPE B: 1/4" DIA. ULTRACON+ (Fu=164ksi Fy=148ksi)
OR 1/4" DIA. TAPCON (Fu=120ksi Fy=92ksi)
DIRECTLY INTO MASONRY OR CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

TYPE C: 1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 Fu=120ksi Fy=92ksi)
INTO METAL STRUCTURES
STEEL : 1/8" MIN. THICKNESS (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

MIN. EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2 1/2" (1/4" SHIMS)
INTO WOOD STRUCTURE = 1"
INTO METAL STRUCTURE = 3/4"

CONCRETE f'c = 3000 PSI MIN.
MASONRY f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND
HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH
CLEAR SEALANT.

LOCKS:

LOCK OPTION 1: (36) L1A: MANUAL FLUSH BOLT (24669) - INACTIVE PANEL
(37) L1B: MS LOCK (26093) - ACTIVE PANEL
LOCK OPTION 2: L2: AHT SERIES-8000 CVR DEVICE (2363X)
- ACTIVE/INACTIVE PANELS

HINGES: SEE DETAILS (H1) (H2) & (H3) ON PAGE 6 OF 9

HINGE OPTION 1: (41) H1: 4 1/2" BUTT HINGE (26298)
9 1/4" FROM TOP & BOTTOM
(ONE AT CENTER FOR DOOR HEIGHT GREATER THAN 84")
HINGE OPTION 2: (40) H2: OFFSET CAST ALUMINUM PIVOT HINGES
TOP (21274)
BOTTOM (21273)
TOP FRAME (21275)
HINGE OPTION 3: (42) H3: CONTINUOUS ALUMINUM GEAR (60095)

1X OR 2X WOOD BUCKS AND METAL STRUCTURES BY OTHERS
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEMS
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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**MS-300 (MEDIUM
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(WIDE STILE)
OUTSWING
DOORS
W/ WO TRANSOM
(NON-IMPACT)**

REVN	DATE/REMARKS
REV.3	08/01/23 UPDATE TO FBC2023

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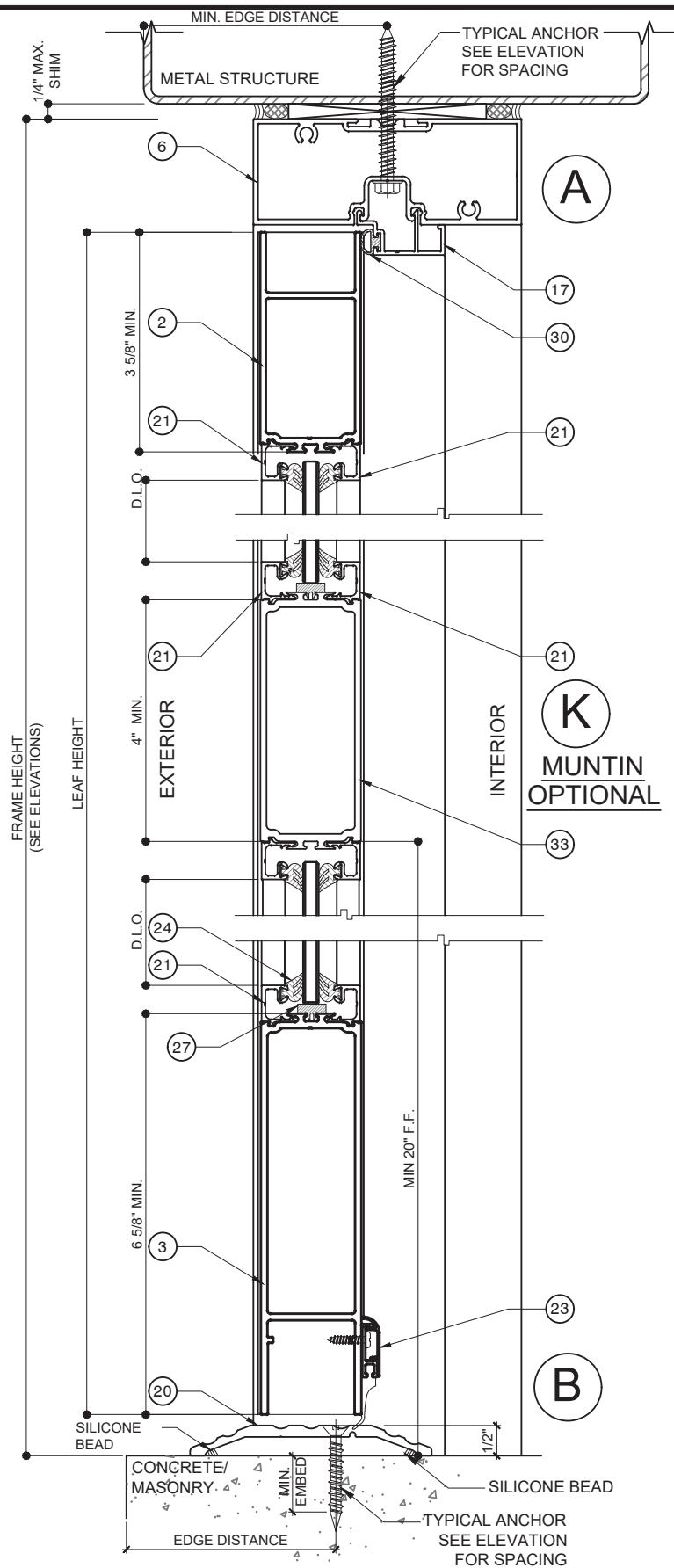
STAMP:
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FLORIDA REGISTRATION
PE #55983
A.A.N. 28870

August 11th, 2023

PRODUCT CONTROL APPROVAL:

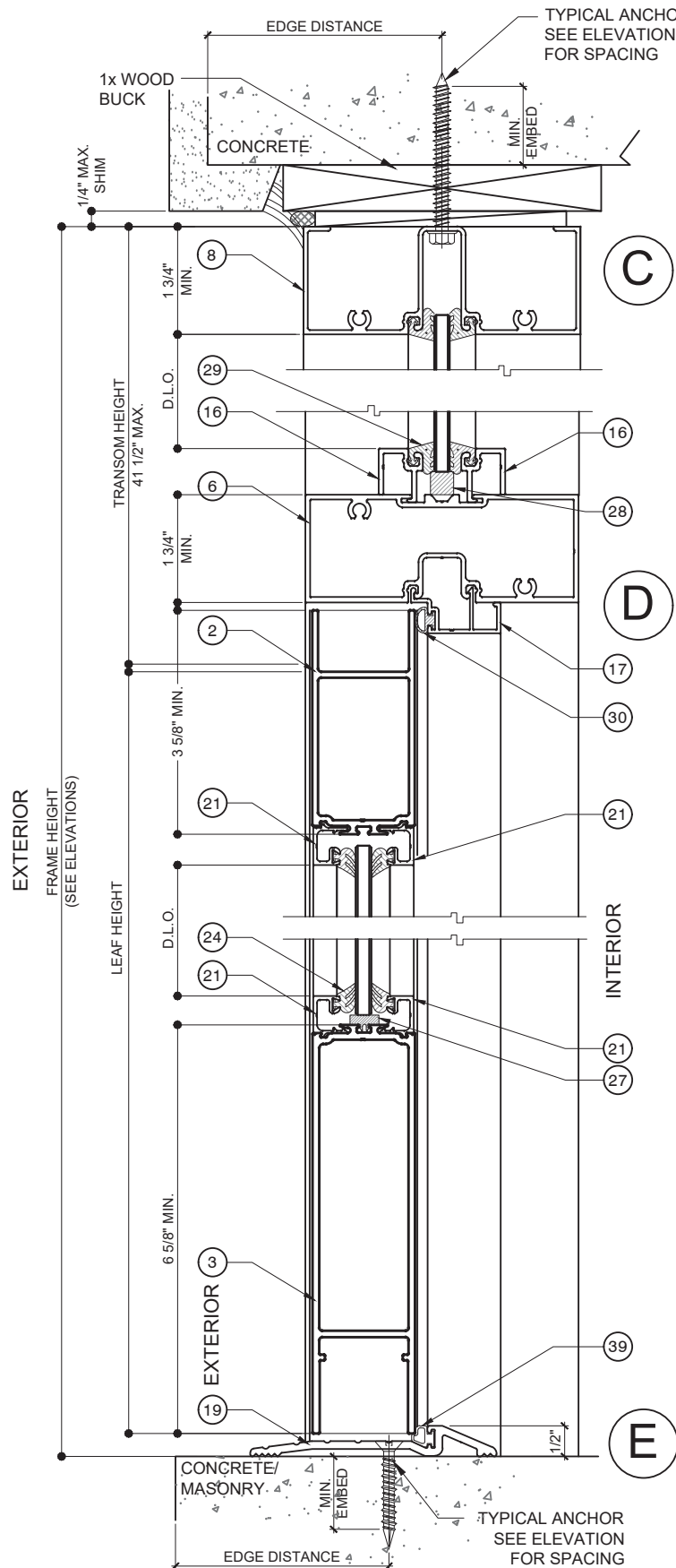
FL#17616.1

DRAWN: James	DRAWING No:
DATE: 08/01/23	3 OF 9
DWG: AD15-22	



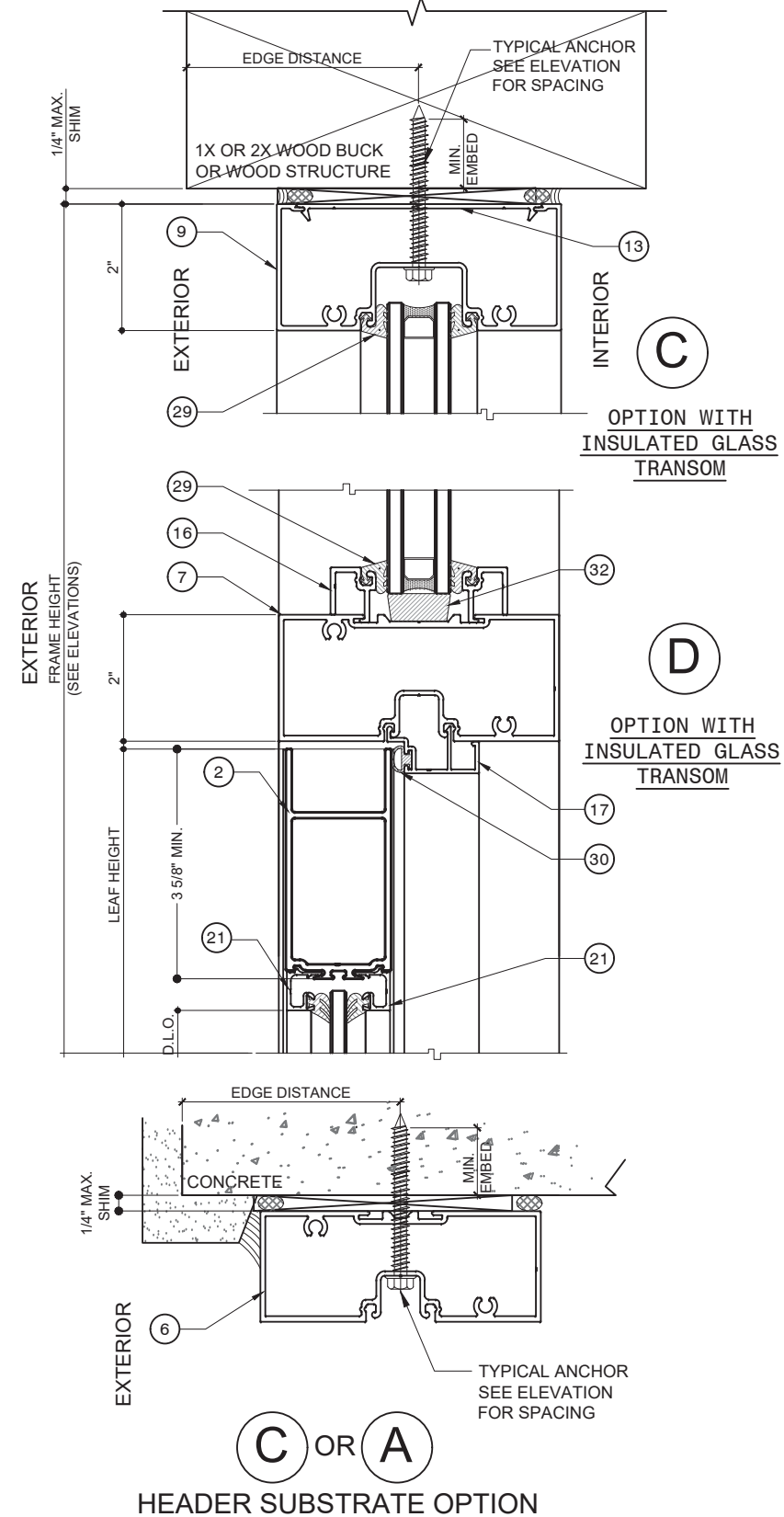
4\"/>

NOTE: ADA COMPLIANCE DETERMINATION TO BE REVIEWED BY BUILDING OFFICIAL.
INSTALL WHERE WATER INFILTRATION IS NOT REQUIRED.



**BUMPER THRESHOLD
(NON-WATER RESISTANCE)**

NOTE: ADA COMPLIANCE DETERMINATION TO BE REVIEWED BY BUILDING OFFICIAL.
INSTALL WHERE WATER INFILTRATION IS NOT REQUIRED.



HEADER SUBSTRATE OPTION

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OUTSWING
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mcy@mcyengineering.com

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FL#17616.1

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DWG: AD15-22	



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MS-300 (MEDIUM
STILE) & WS-500
(WIDE STILE)
OUTSWING
DOORS
W/ WO TRANSOM
(NON-IMPACT)

ENGINEER:



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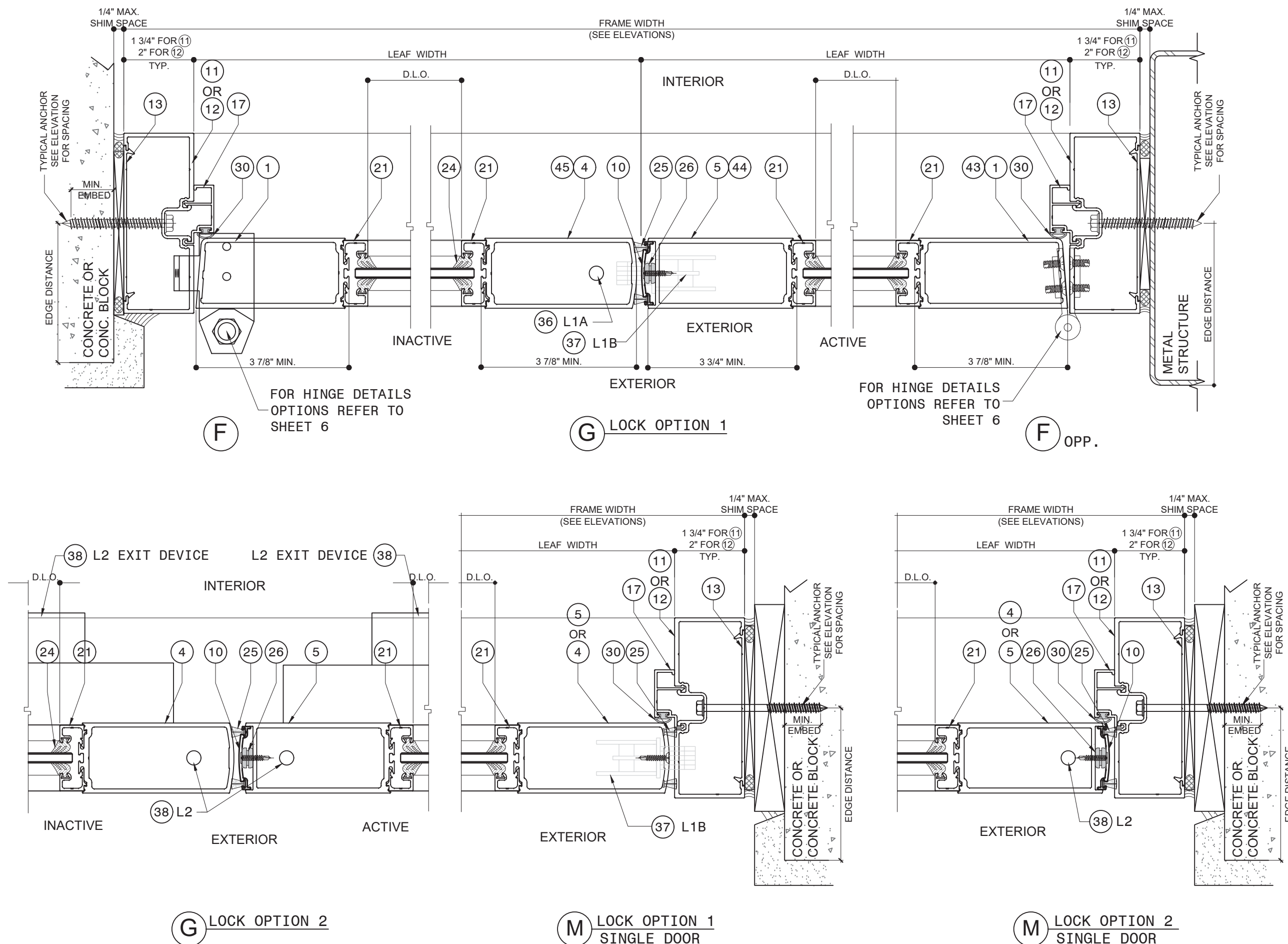
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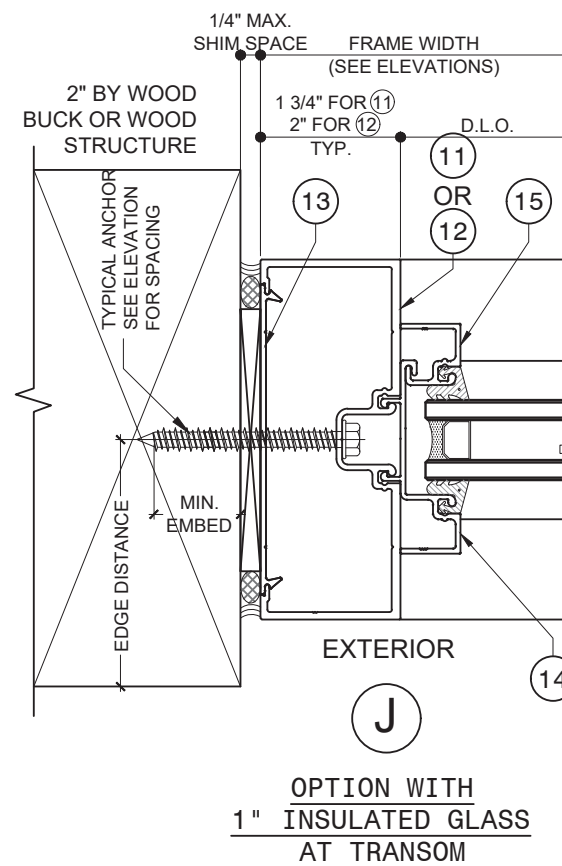
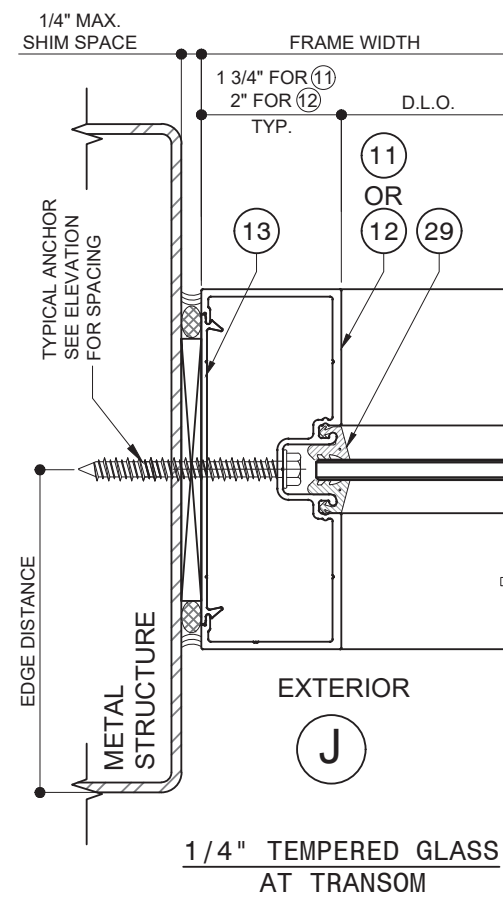
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PE #55983
GAN 28672



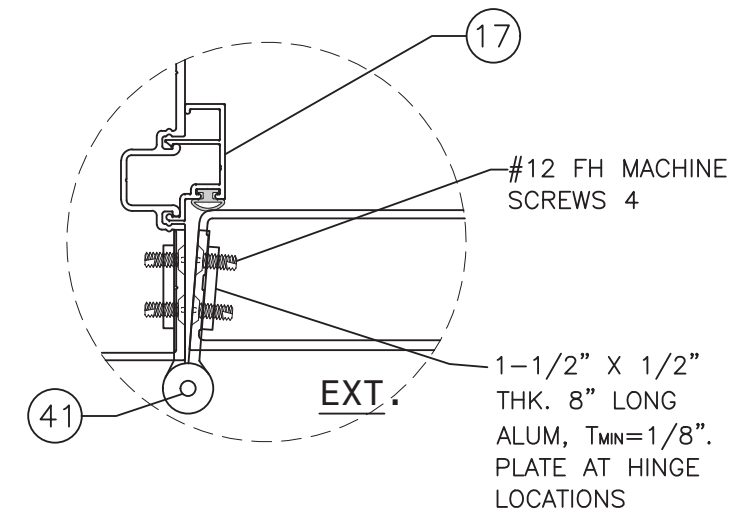
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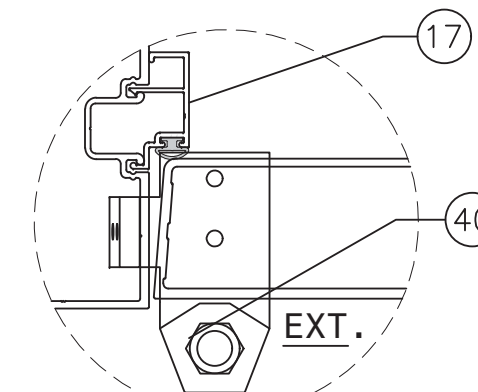




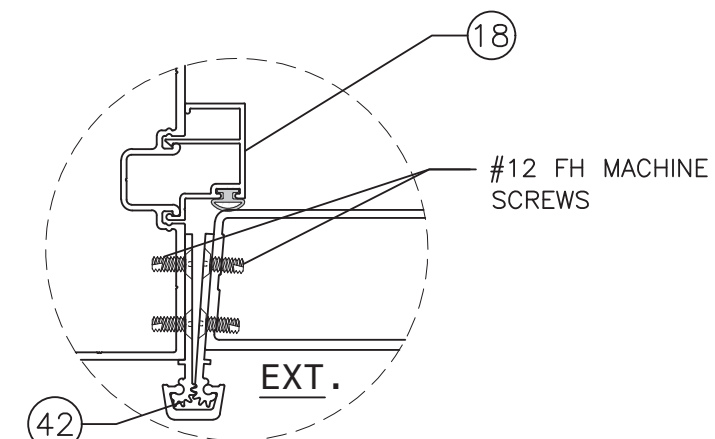
NOTE: HINGES SHOWN ARE IMAGE ONLY.
ACTUAL PRODUCT MAY VARY.



H1 HINGE OPTION 1: (26298)
4-1/2" STEEL BUTT HINGE



H2 HINGE OPTION 2: TOP (21274)
OFFSET PIVOT HINGE BOTTOM (21273)
MIDSPAN (2456x)



H3 HINGE OPTION 3: (6009X)
CONCEALED ALUM. CONTINUOUS
GEARED HINGE



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PRODUCT:
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(WIDE STILE)
OUTSWING
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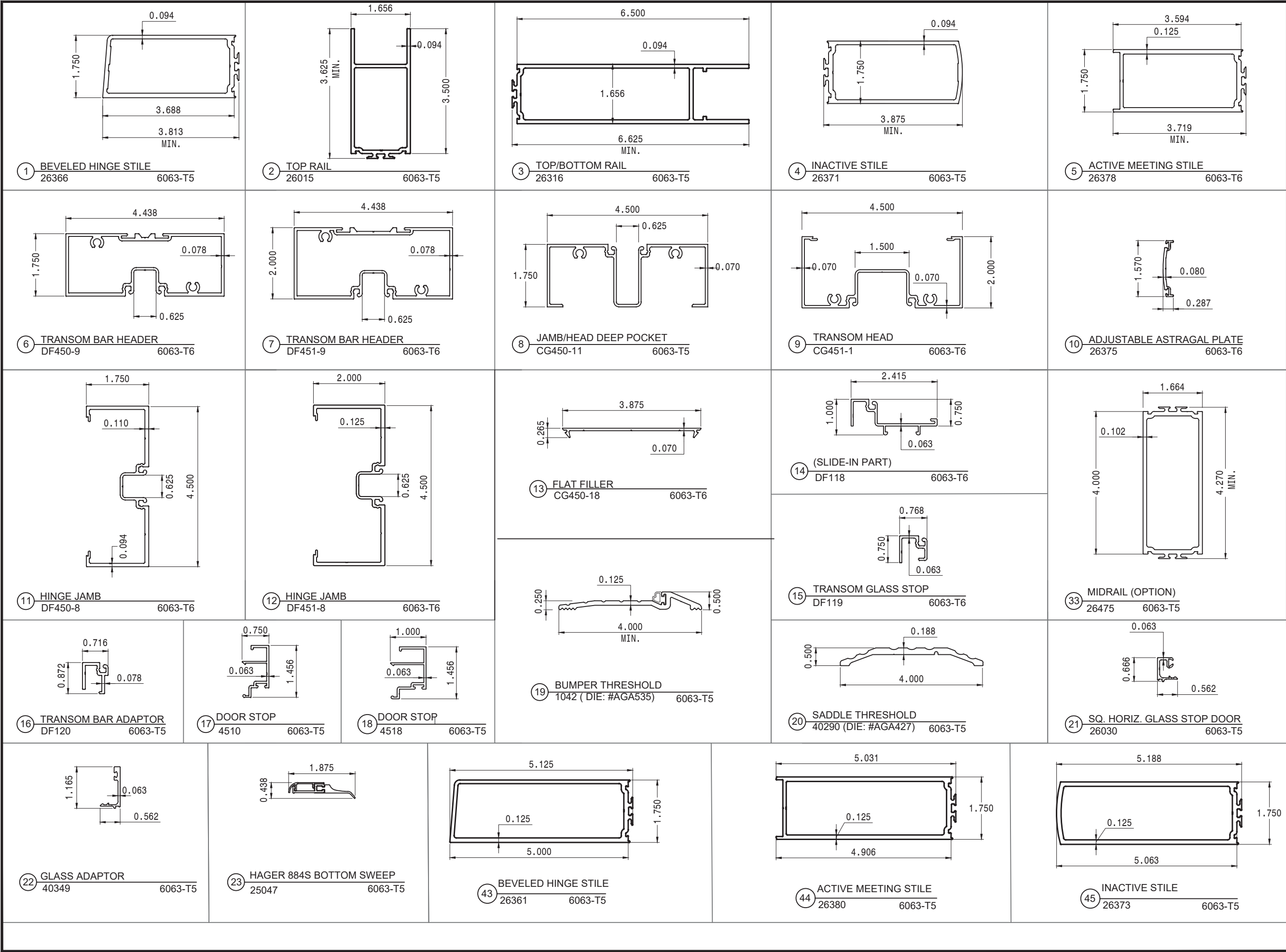
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mcy@mcyengineering.com

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No 55983
August 11th, 2023

PRODUCT CONTROL APPROVAL:
FL#17616.1

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DATE: 08/01/23	6 OF 9
DWG: AD15-22	



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PRODUCT:
MS-300 (MEDIUM STILE) & WS-500 (WIDE STILE) OUTSWING DOORS W/ WO TRANSOM (NON-IMPACT)

REVN	DATE/REMARKS
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ENGINEER:

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PE #55983
A.N. 28870

YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

August 11th, 2023

PRODUCT CONTROL APPROVAL:

FL#17616.1

DRAWN: James	DRAWING No:
DATE: 08/01/23	7 OF 9
DWG: AD15-22	

BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	26366	BEVELED HINGE STILE	ALUM. 6063-T5	BONNELL
2	26015	TOP RAIL	ALUM. 6063-T5	BONNELL
3	26316	BOTTOM RAIL	ALUM. 6063-T5	BONNELL
4	26371	INACTIVE STILE	ALUM. 6063-T5	BONNELL
5	26378	ACTIVE MEETING STILE	ALUM. 6063-T6	BONNELL
6	DF450-9	1-3/4" TRANSOM BAR / DOOR HEADER	ALUM. 6063-T6	BONNELL
7	DF451-9	2" TRANSOM BAR HEADER (OPTION)	ALUM. 6063-T6	BONNELL
8	CG450-11	1-3/4" TRANSOM HEAD DEEP POCKET	ALUM. 6063-T5	BONNELL
9	CG451-1	2" TRANSOM HEAD	ALUM. 6063-T6	BONNELL
10	26375	ADJUSTABLE ASTRAGAL PLATE	ALUM. 6063-T6	BONNELL
11	DF450-8	1-3/4" HINGE JAMB	ALUM. 6063-T6	BONNELL
12	DF451-8	2" HINGE JAMB (OPTION)	ALUM. 6063-T6	BONNELL
13	CG450-18	FLAT FILLER - 4" LONG @ ANCHOR	ALUM. 6063-T6	BONNELL
14	DF118	1" TRANSOM SASH	ALUM. 6063-T6	BONNELL
15	DF119	TRANSOM GLASS STOP	ALUM. 6063-T6	BONNELL
16	DF120	TRANSOM BAR ADAPTOR	ALUM. 6063-T5	BONNELL
17	4510	DOOR STOP	ALUM. 6063-T5	BONNELL
18	4518	DOOR STOP (FOR CONT. HINGE)	ALUM. 6063-T5	BONNELL
19	1042	4" X 1/4" BUMPER THRESHOLD	ALUM. 6063-T5	BONNELL
20	40290	4" X 1/2" SADDLE THRESHOLD	ALUM. 6063-T5	BONNELL
21	26030	GLASS STOP	ALUM. 6063-T5	BONNELL
22	40349	GLASS ADAPTOR	ALUM. 6063-T5	BONNELL
23	25047	DOOR BOTTOM SWEEP	ALUM. 6063-T5	HAGER (884S)
24	05212	GLAZING GASKET (DOOR MONOLITHIC GLASS)	EPDM	TREMCO INC./ GRP- DUROMETER 70±5, SHORE 'A'
25	24110	PILE WEATHERSTRIP GASKET	YARN	TREMCO INC.
26	23301	RUBBER GROMMET	NITRILE	RUBBERGROMMET.COM
27	26112	SETTING BLOCK	EPDM	TREMCO INC. - DUROMETER 85±5, SHORE 'A'
28	22038	TRANSOM SETTING BLOCK	EPDM	TREMCO INC. - DUROMETER 85±5, SHORE 'A'
29	RG-1	SLIDE-IN GASKET (TRANSOM)	EPDM	TREMCO INC. - DUROMETER 70±5, SHORE 'A'
30	RG-5	WEATHERSTRIP GASKET	EPDM	TREMCO INC. - DUROMETER 60±5, SHORE 'A'
31	58045	SETTING BLOCK	EPDM	TREMCO INC. - DUROMETER 85±5, SHORE 'A'
32	RSB-19	SETTING BLOCK	EPDM	TREMCO INC. - DUROMETER 85±5, SHORE 'A'
33	26475	MUNTIN MIDRAIL (OPTION)	ALUM. 6063-T5	BONNELL
34	05207	GLAZING GASKET (INSULATED GLASS)	EPDM	TREMCO INC. - DUROMETER 70±5, SHORE 'A'
35	05333	GLAZING GASKET (INSULATED GLASS)	EPDM	TREMCO INC. - DUROMETER 70±5, SHORE 'A'
36	24669	MANUAL FLUSH BOLT (LOCK TYPE 1A)	--	ILCO CORP.
37	26093	MS LOCK (HOOK BOLT 5/8" W x 13/8"L, THROW 13/8")	ZINC STEEL	ILCO CORP.
38	2363X	AHT SERIES 8000 CVR DEVICE (LOCK TYPE L2)	--	ADVANCED HARDWARE TECHNOLOGIES
39	24120	GASKET	EPDM	TREMCO INC.- DUROMETER 70±5, SHORE 'A'
40	21274 (TOP)	OFFSET PIVOT HINGE	ALUM.	GLOBAL DOOR
	21273 (BOTTOM)		ALUM.	GLOBAL DOOR
	2456X (MIDSPAN)		ALUM.	GLOBAL DOOR
41	26298	TESTED W/ BUTT HINGE 4" x 4½" x 1/8" THK.	STEEL	HAGER COMPANIES
42	6009X	ALUM. CONTINUOUS GEARED HINGE	ALUM. 6063-T6	HAGER COMPANIES
43	26361	BEVELED HINGE STILE	ALUM. 6063-T6	BONNELL
44	26380	ACTIVE MEETING STILE	ALUM. 6063-T6	BONNELL
45	26373	INACTIVE STILE	ALUM. 6063-T6	BONNELL
46	-	GLASS ALUMINUM SPACER	ALUMINUM	HELIMA HELVETION INT. / VARIES



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PRODUCT:

MS-300 (MEDIUM STILE) & WS-500 (WIDE STILE) OUTSWING DOORS
W/ WO TRANSOM (NON-IMPACT)

REVN	DATE/REMARKS
REV.3	08/01/23 UPDATE TO FBC2023

ENGINEER:

M
C
Y

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GLAZING CONSULTANT

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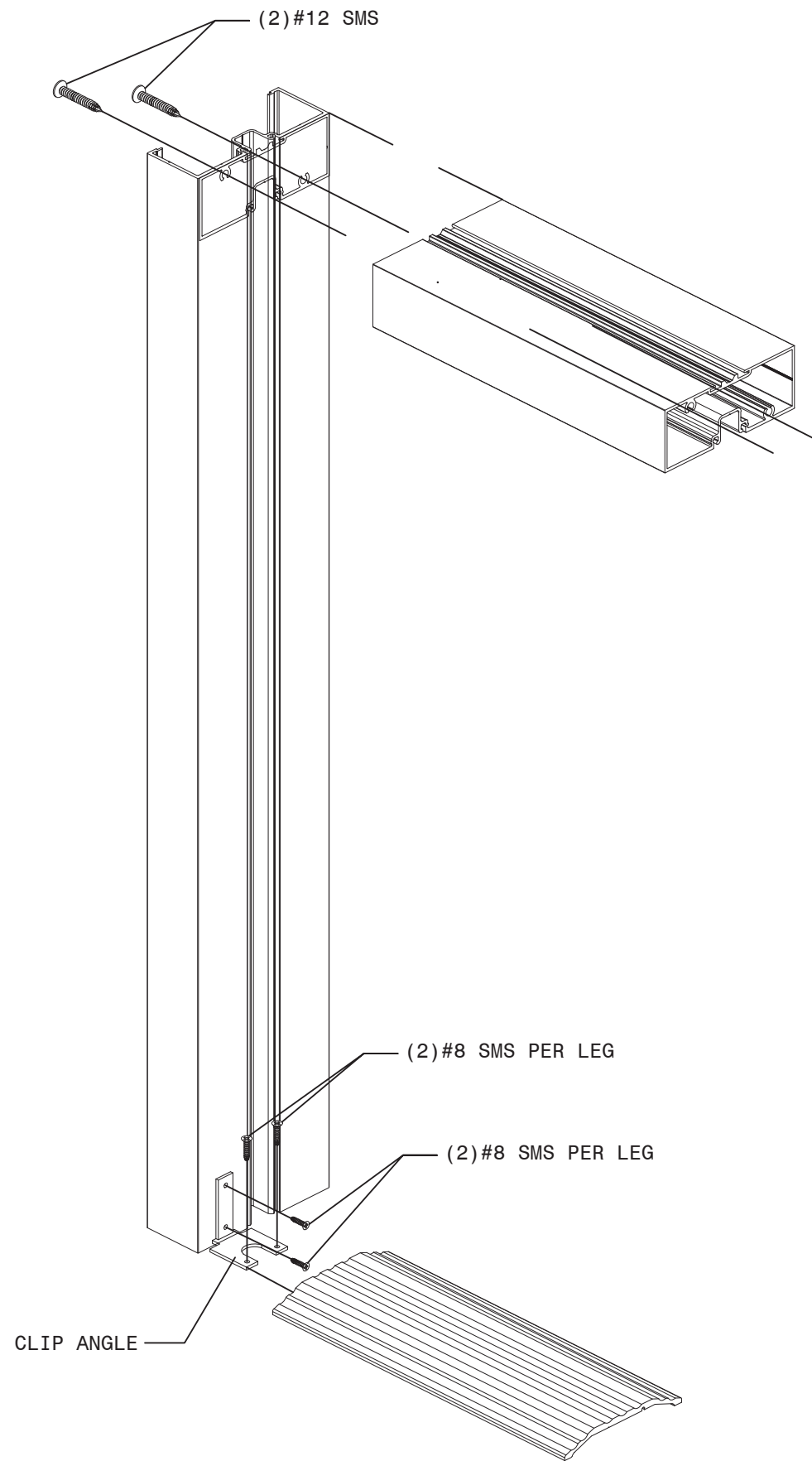


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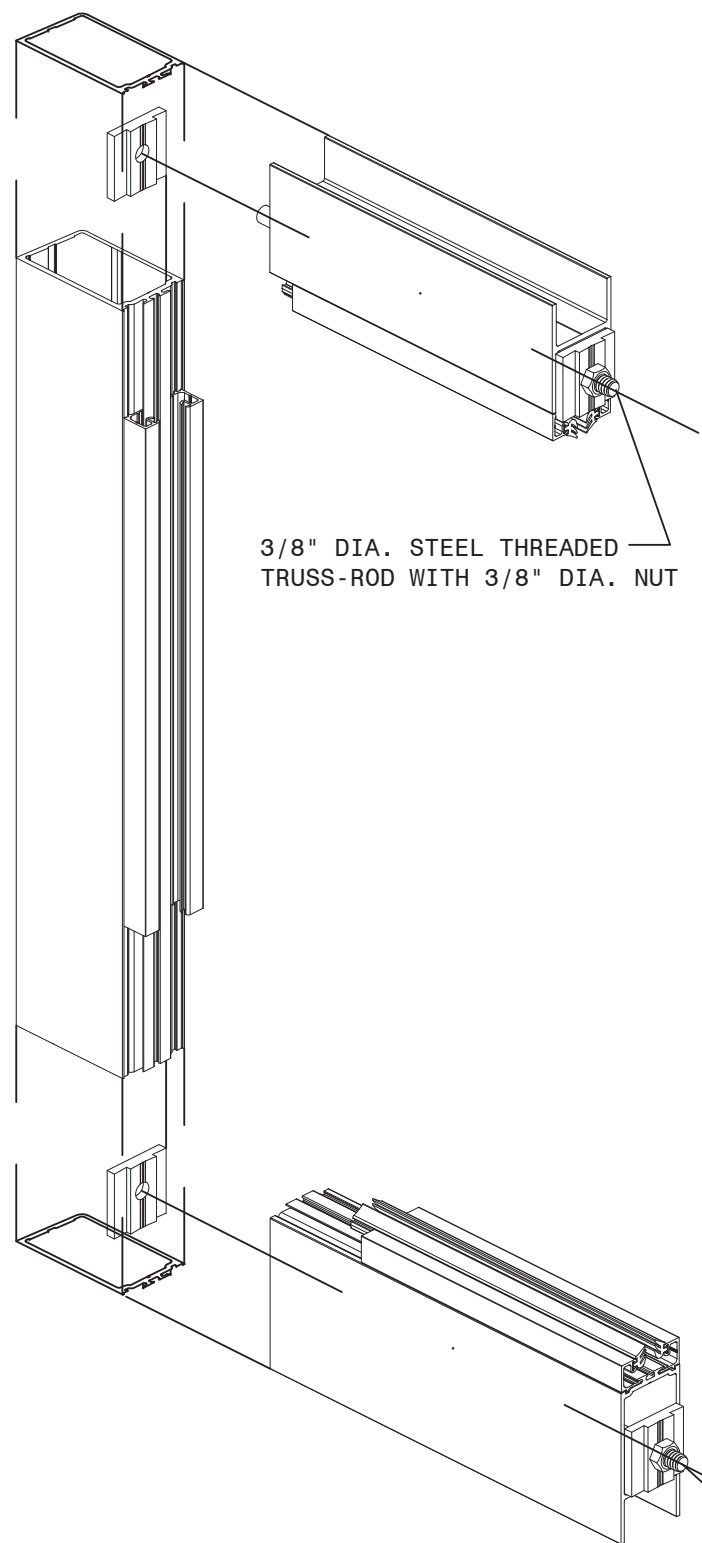
PRODUCT CONTROL APPROVAL:

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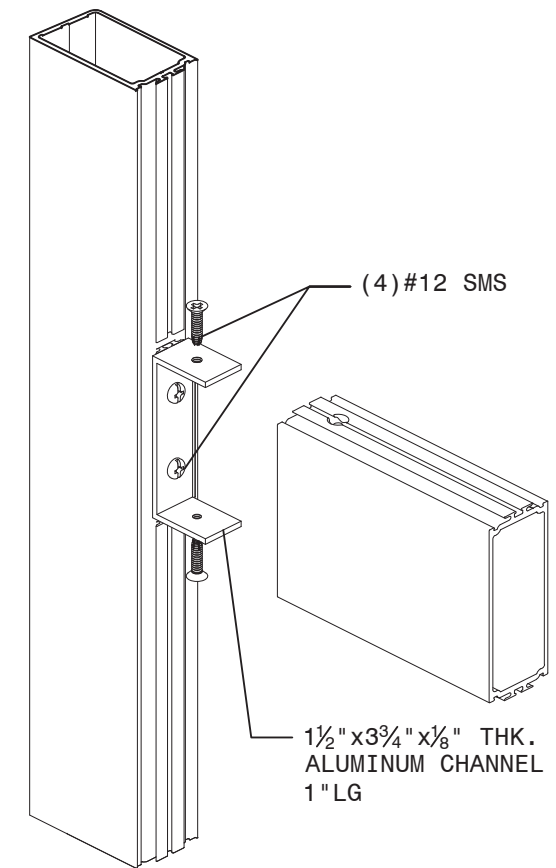
DRAWN: James	DRAWING No: 8 OF 9
DATE: 08/01/23	
DWG: AD15-22	



FRAME CORNER CONNECTION



DOOR PANEL CORNER CONECTION



MIDRAIL CONECTION

3/8" DIA. STEEL THREADED TRUSS-ROD WITH 3/8" DIA. NUT

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