

PRODUCT:

351 SERIES ALUM OUTSWING DRY-GLAZED DOORS

W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REVN	DATE/REMARKS
2	01.28.2022

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY #301
MIRAMAR FL33027
P: 305-271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



January 28th, 2022

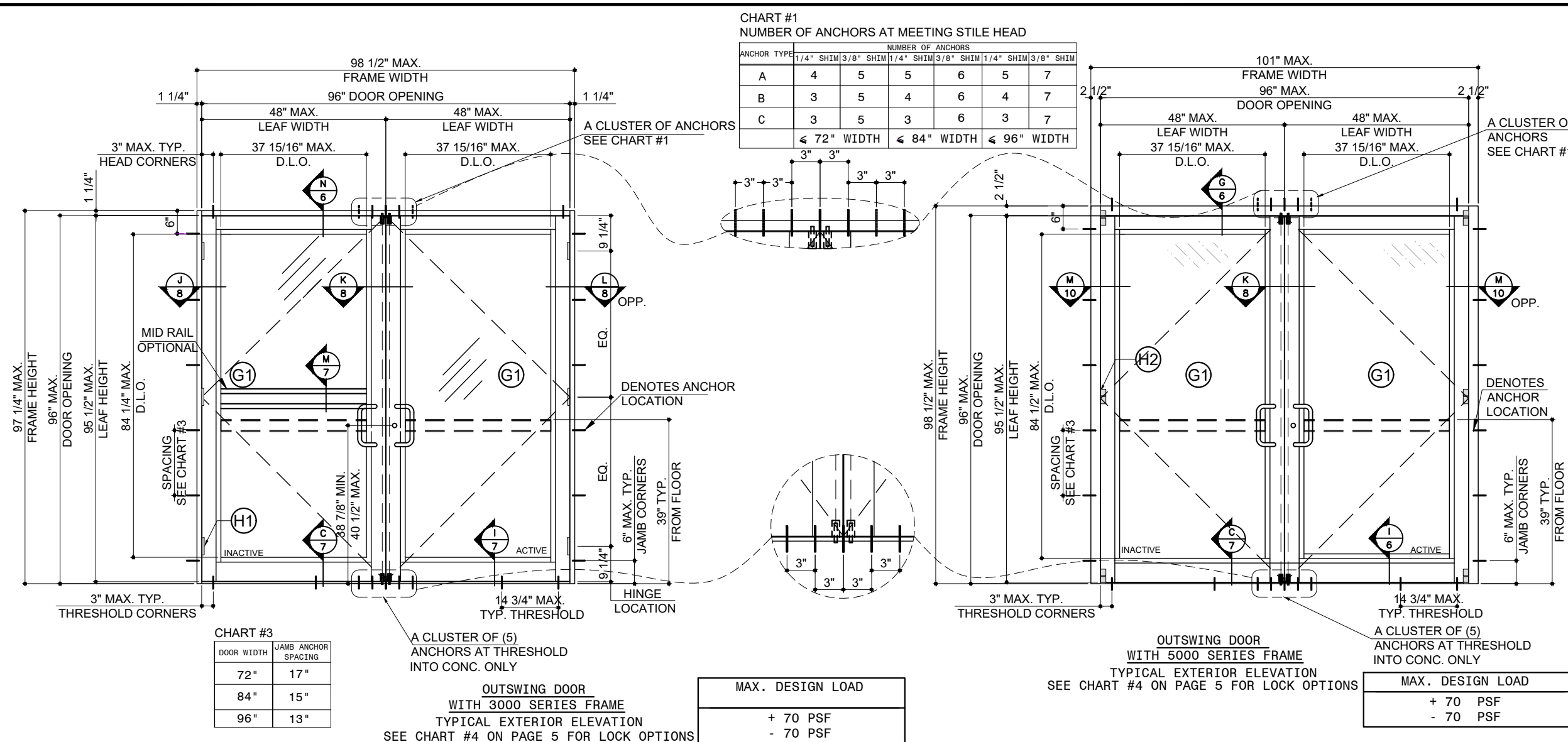
PRODUCT CONTROL APPROVAL:

DRAWN: James
DATE: 01.28.2022
DWG: TA18-01

DRAWING No:
1 OF 13

CHART #1
NUMBER OF ANCHORS AT MEETING STILE HEAD

ANCHOR TYPE	NUMBER OF ANCHORS					
	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM
A	4	5	5	6	5	7
B	3	5	4	6	4	7
C	3	5	3	6	3	7
	≤ 72" WIDTH		≤ 84" WIDTH		≤ 96" WIDTH	



SERIES 351 LARGE MISSILE IMPACT DOOR

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF 2018 INTERNATIONAL RESIDENTIAL CODE AND 2018 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS EFFECTIVE Sep 1, 2020. INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)
- DOORS ARE RATED LARGE MISSILE IMPACT. SHUTTERS OR EXTERNAL PROTECTION DEVICES IS NOT REQUIRED.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THE DOCUMENT.
- FOR WATER INFILTRATION RATINGS, SEE LIMITATION ON SHEET 4 & 5.
- 1X OR 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE, TO BE REVIEWED BY BUILDING OFFICIAL.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2018 INTERNATIONAL RESIDENTIAL CODE AND 2018 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS EFFECTIVE Sep 01, 2020. SECTION AS APPLICABLE
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- LIMITATION:
WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL GOVERN IN THE ENTIRE ASSEMBLY.
- WHERE APPLICABLE:
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

MAX. DESIGN LOAD

+ 70 PSF
- 70 PSF

MAX. DESIGN LOAD

+ 70 PSF
- 70 PSF

NOTE: 351X DOOR FRAME CAN BE USED FOR THIS APPROVAL

LIMITATIONS OF USE

- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A TEXAS REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

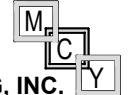
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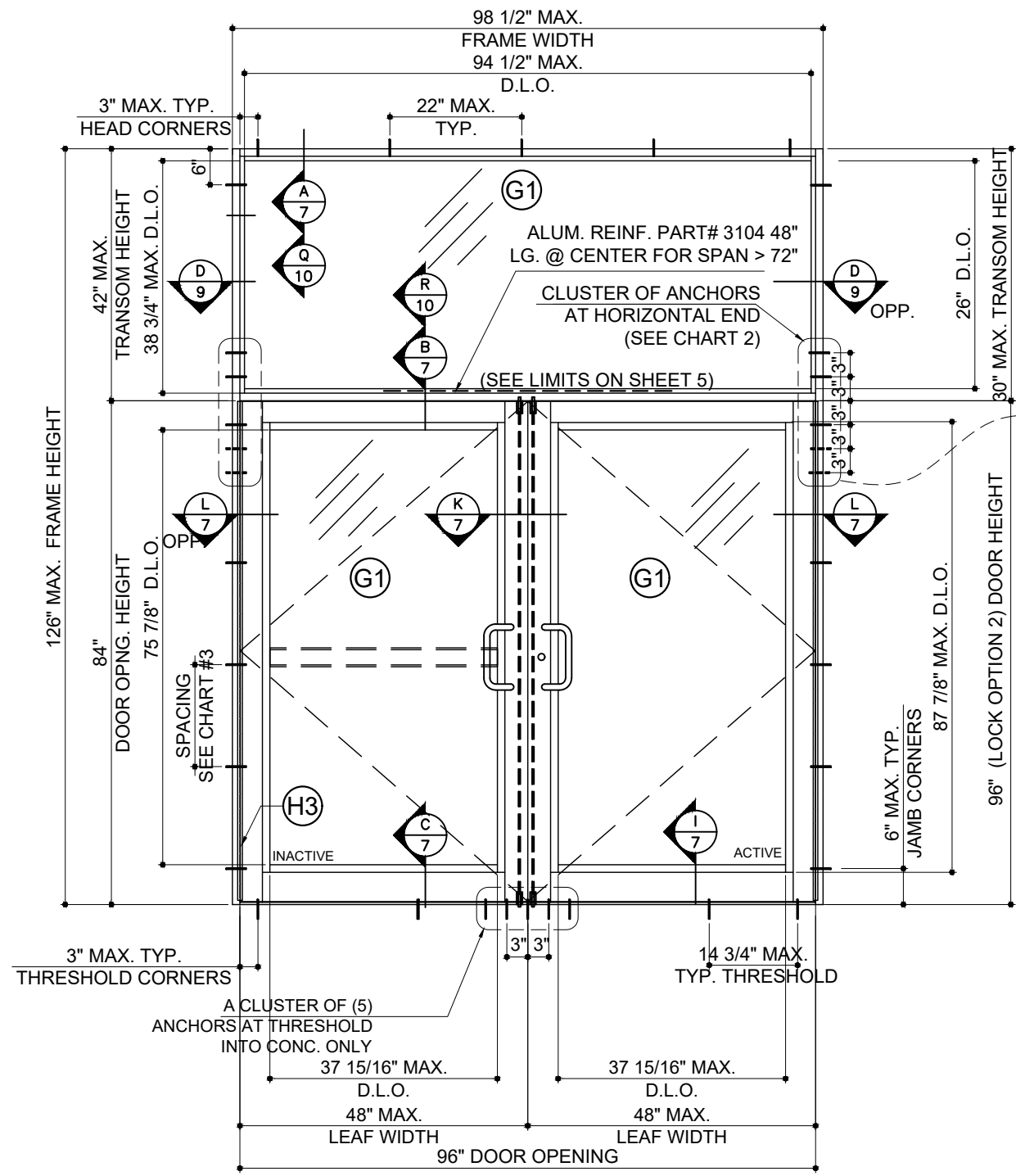


January 28th, 2022

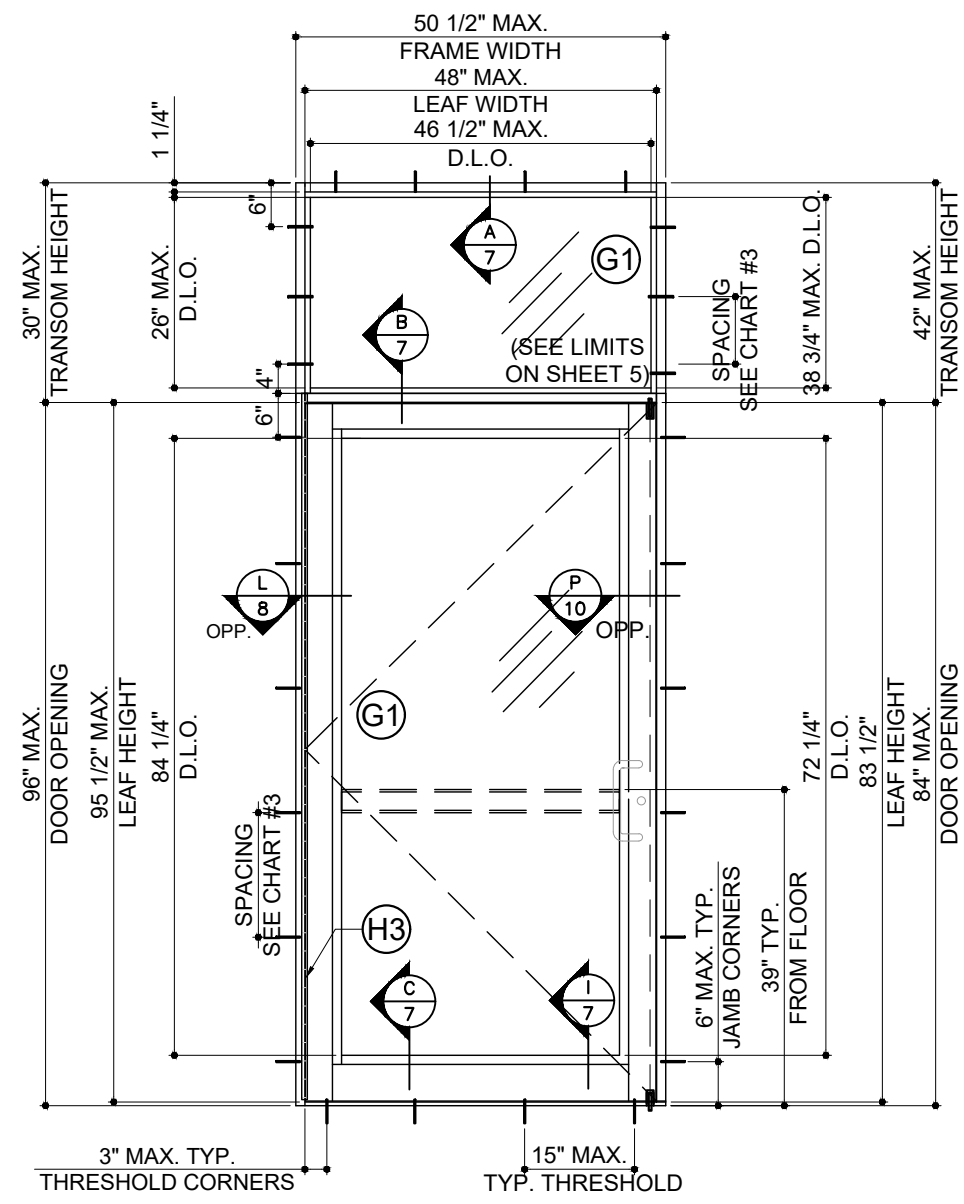
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2 OF 13



**OUTSWING DOOR WITH TRANSOM
TYPICAL EXTERIOR ELEVATION**
SEE CHART #4 ON PAGE 5 FOR LOCK OPTIONS



**OUTSWING SINGLE DOOR WITH TRANSOM
ELEVATION**

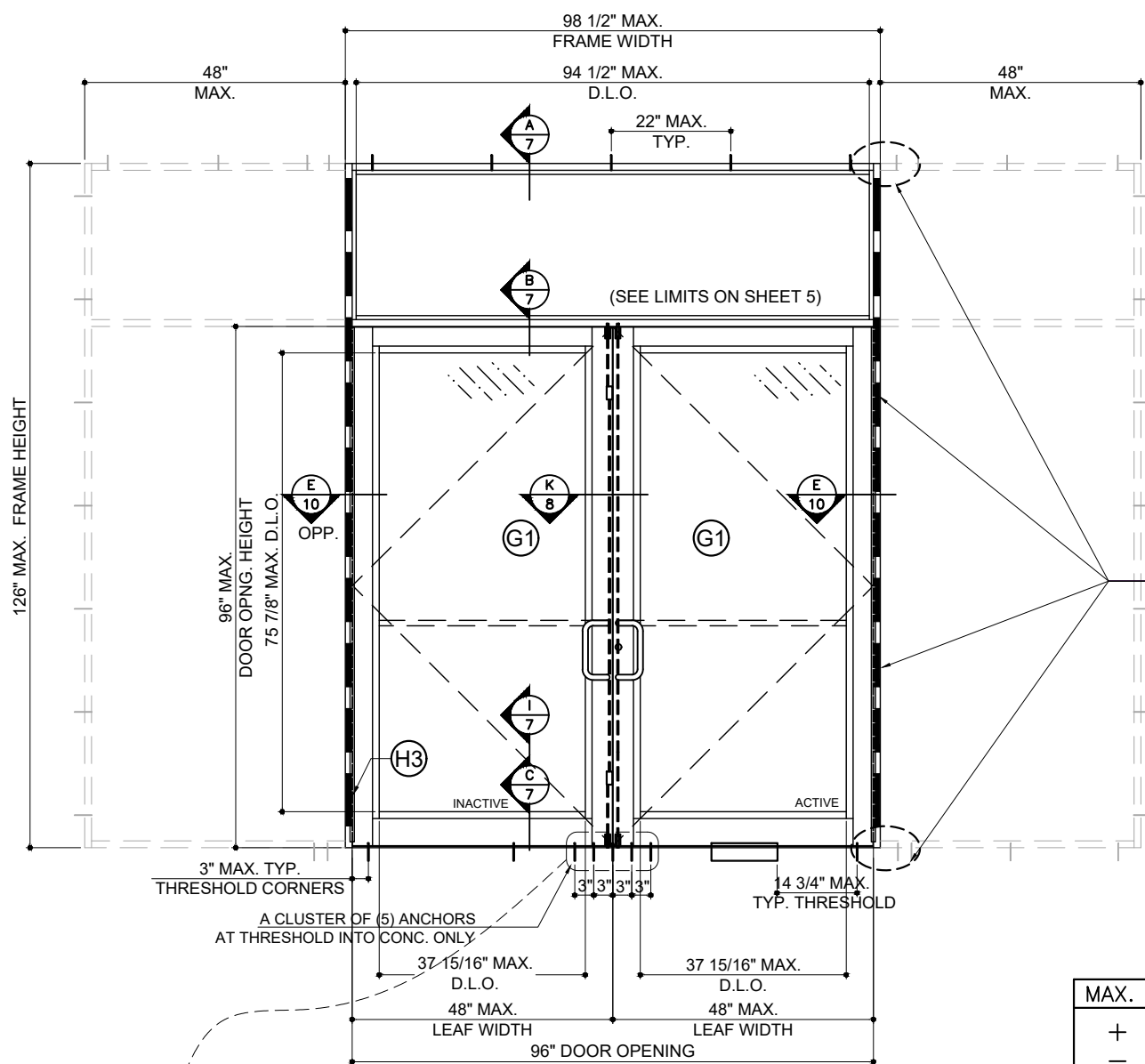
MAX. DESIGN LOAD	
+ 70	PSF
- 70	PSF

CHART #2

ANCHOR TYPE	NUMBER OF ANCHORS					
	1/4\" SHIM	3/8\" SHIM	1/4\" SHIM	3/8\" SHIM	1/4\" SHIM	3/8\" SHIM
A	4	5	4	6	5	6
B	5	5	6	6	7	7
C	3	5	3	6	3	7
		≤ 72\" WIDTH		≤ 84\" WIDTH		≤ 96\" WIDTH

NUMBER OF ANCHORS AT TRANSOM END

MAX. DESIGN LOAD	
+ 70	PSF
- 70	PSF

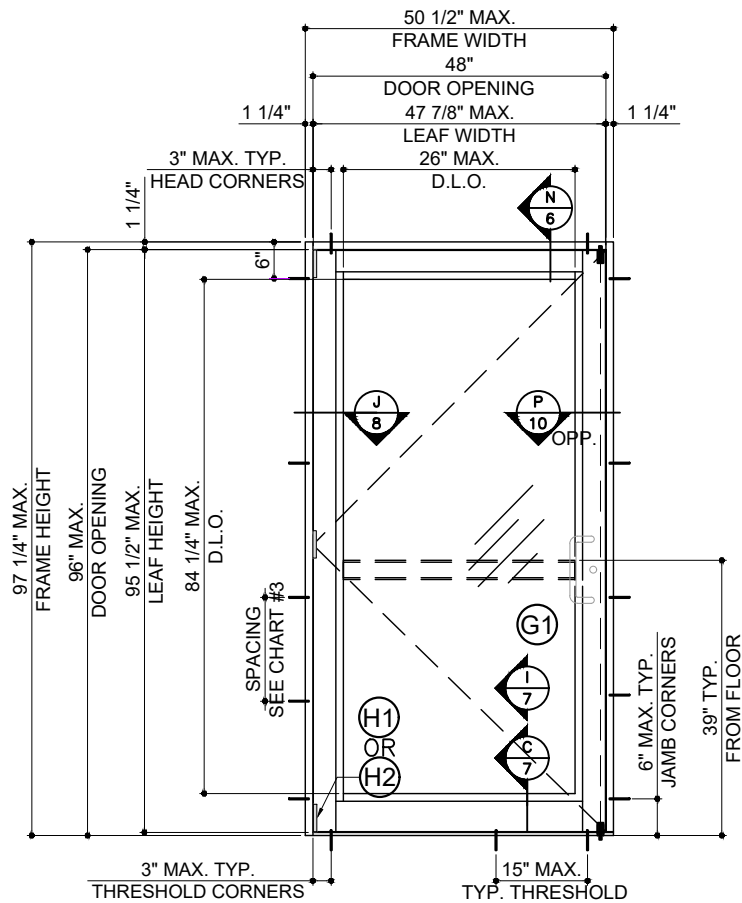


OUTSWING DOOR WITH OR W/O TRANSOM & SIDELITES (UNDER SEPARATE APPROVAL) (SINGLE DOOR ALSO APPLIES)

SIDELITE, MULLION REINFORCEMENT AND ANCHORS REFER TO SEPARATE PRODUCT APPROVAL.

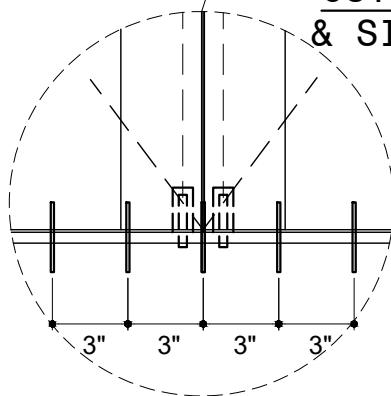
WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL CONTROL FOR THE ENTIRE ASSEMBLY.

MAX. DESIGN LOAD	
+	70 PSF
-	70 PSF



OUTSWING SINGLE DOOR ELEVATION

MAX. DESIGN LOAD	
+	70 PSF
-	70 PSF



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TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" DIA. ULTRACON+ (Fu=164 ksi Fy=148 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)

- THRU 1BY OR 2BY WOOD BUCKS
1-1/4" MIN. EMBED INTO CONC.@ HEAD/SILL
1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB
- INTO 2X WOOD BUCKS OR WOOD STRUCTURAL
1-1/2" MIN. EMBED @ HEAD AND JAMB

TYPE B: 1/4" DIA. ULTRACON+ (Fu=164 ksi Fy=148 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)

- DIRECTLY INTO CONCRETE 1-1/4" MIN. EMBED @ HEAD/SILL
1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB

TYPE C: 1/4" TEK OR SELF DRILLING SCREWS(GRADE 5 FU=120ksi FY=92ksi)

- INTO METAL STRUCTURES (HEAD/JAMB)
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)

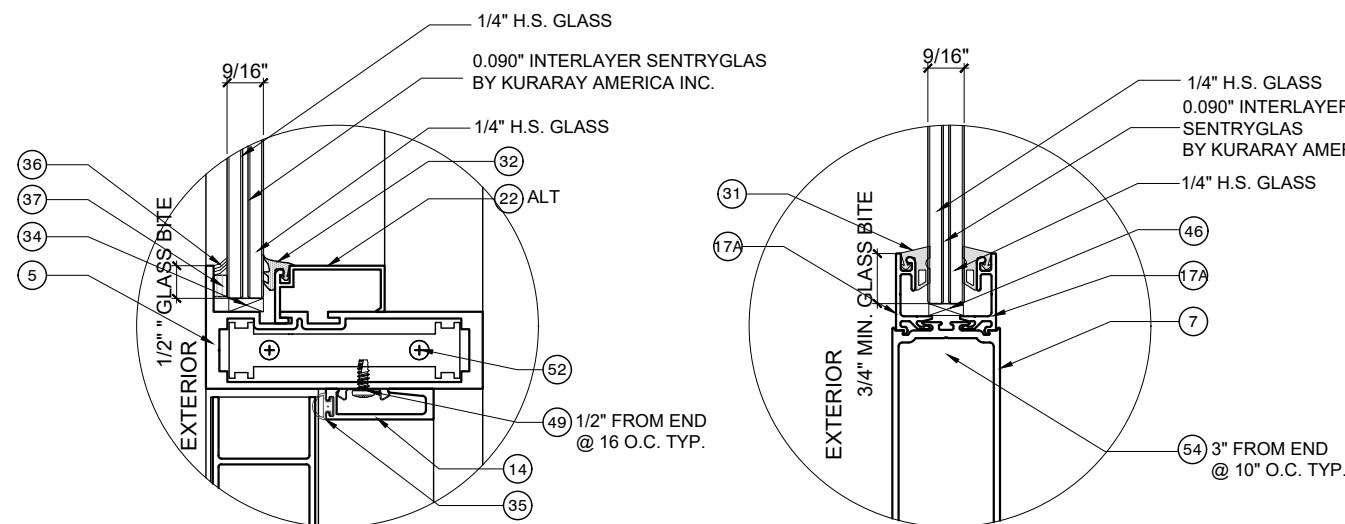
MIN. EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2 1/2"
INTO WOOD STRUCTURE = 1 1/2"
INTO METAL STRUCTURE = 1"
CONCRETE f'c = 3000 PSI MIN.
MASONRY C-90 f'c = 2000 PSI MIN.
WOOD SG= 0.55

SEALANTS:

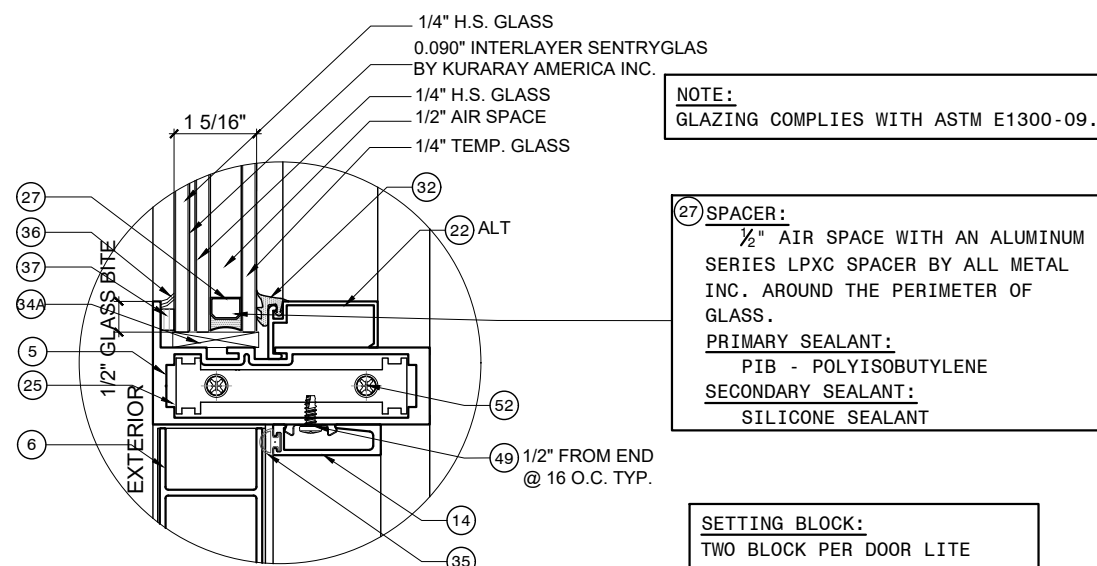
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH CLEAR SEALANT.

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



G1 9/16" TOTAL LAMINATED GLASS THICKNESS AT TRANSOM

G1 9/16" LAMINATED GLASS GLAZING DETAIL DOOR LEAF (ACT/INACT)



NOTE:
GLAZING COMPLIES WITH ASTM E1300-09.

(27) SPACER:
1/2" AIR SPACE WITH AN ALUMINUM SERIES LPXC SPACER BY ALL METAL INC. AROUND THE PERIMETER OF GLASS.
PRIMARY SEALANT:
PIB - POLYISOBUTYLENE
SECONDARY SEALANT:
SILICONE SEALANT

SETTING BLOCK:
TWO BLOCK PER DOOR LITE
TWO BLOCK PER TRANSOM LITE

G2 1 5/16" TOTAL INSULATED LAMINATED GLASS THICKNESS AT TRANSOM

LOCKS:

LOCK OPTION 1 (ACTIVE/INACTIVE PANEL): AHT 8000 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC INTERIOR PANIC DEVICE AND REGENT KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 2 (ACTIVE/INACTIVE PANEL): FALCON DOOR-O-MATIC 1690 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR

LOCK OPTION 3 (ACTIVE/INACTIVE PANEL): VON DUPRIN 9947 CVR TWO POINT LOCK SYSTEM WITH TOP/BOTTOM STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR AND SCHLAGE STANDARD KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 4:

INACTIVE PANEL: ADAMS RITE MS1880 OR ILCO 1880 CONCEALED TWO POINT LOCK SYSTEM WITH VERTICAL ROD AND THUMB TURN (INTERIOR)

ACTIVE PANEL: ADAMS RITE MS1850 OR ILCO 185 WITH AR4016 OR ILCO 4016 TOP ROD & AR4015 OR ILCO 4015 BOTTOM RODS CONCEALED THREE POINT LOCK SYSTEM, EIGHT PLY HOOK LOCK, KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR

LOCK OPTION 5:

INACTIVE PANEL: REGENT ML-207-TT-2PT TWO POINT LOCK SYSTEM WITH EIGHT PLY HOOK LOCK. THUMB TURN ON THE INTERIOR CAN NOT APPLY TO SINGLE PANEL DOOR

ACTIVE PANEL: REGENT ML-207-012, CONCEALED THREE POINT LOCK SYSTEM WITH EIGHT PLY HOOK LOCK, KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR

DOOR		CONFIG.	LOCK OPTIONS
WIDTH (MAX)	HEIGHT (MAX)		
≤ 72"	≤ 96"	XX	1,2,3,4,5
≤ 96"	≤ 96"	XX	4,5
≤ 36"	≤ 96"	X	1,2,3 (ACTIVE PANEL)
≤ 48"	≤ 96"	X	4,5 (ACTIVE PANEL)

HINGES: REFER TO DETAILS (H1) (H2) & (H3) ON SHEET 7 OF 11

HINGE OPTION 1: (32) H1: (3) 4 1/2" BUTT HINGES (26298)
9 1/4" FROM TOP & BOTTOM, CENTERED

HINGE OPTION 2: (31) H2: OFFSET CAST ALUMINUM PIVOT HINGES
TOP (H160X)
BOTTOM (H160X)
MIDSPAN (2456x)

HINGE OPTION 3: (33) H3: CONTINUOUS ALUMINUM GEAR (60095)



GLASS & ALUMINUM SOLUTIONS™

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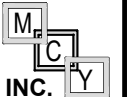
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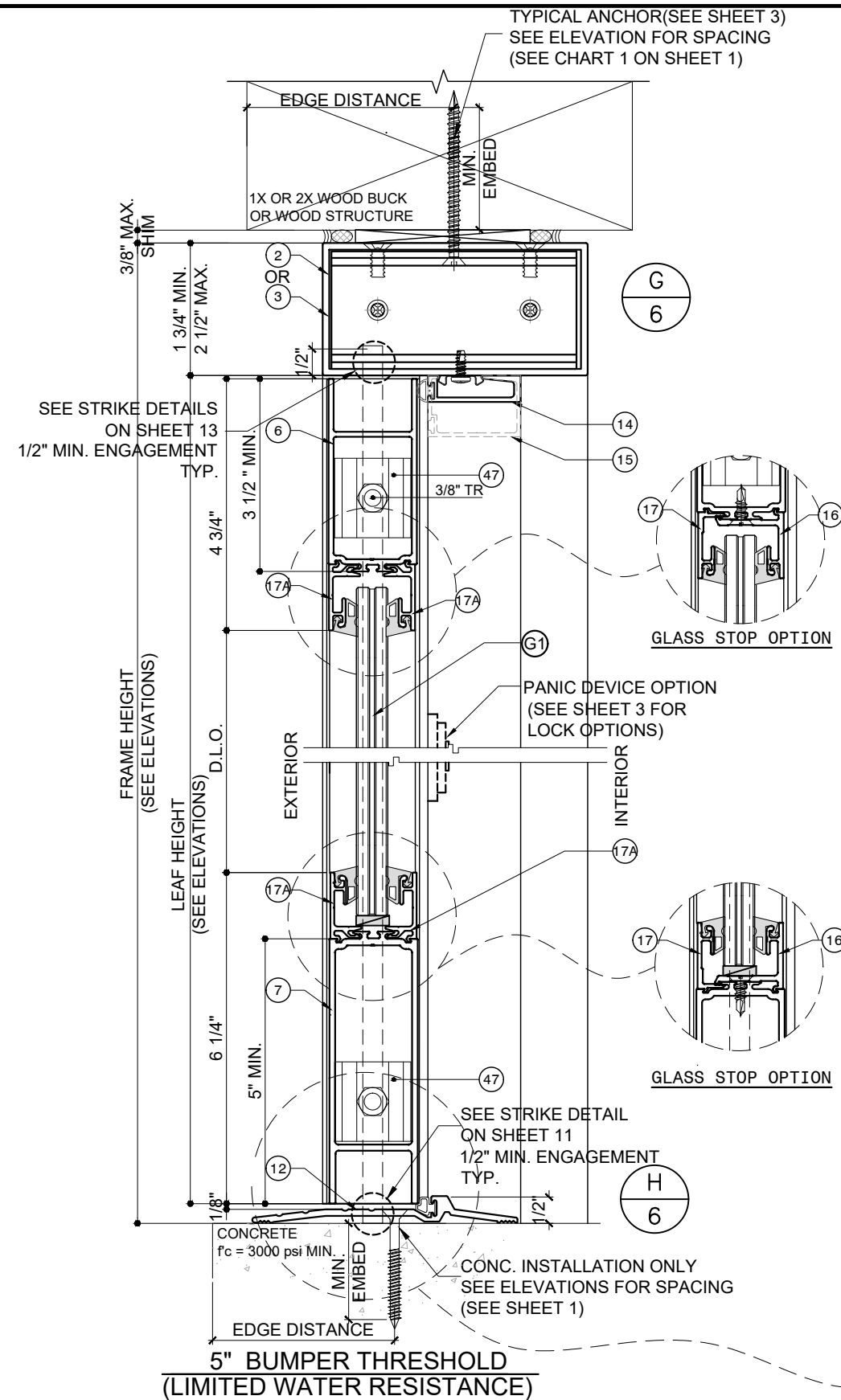


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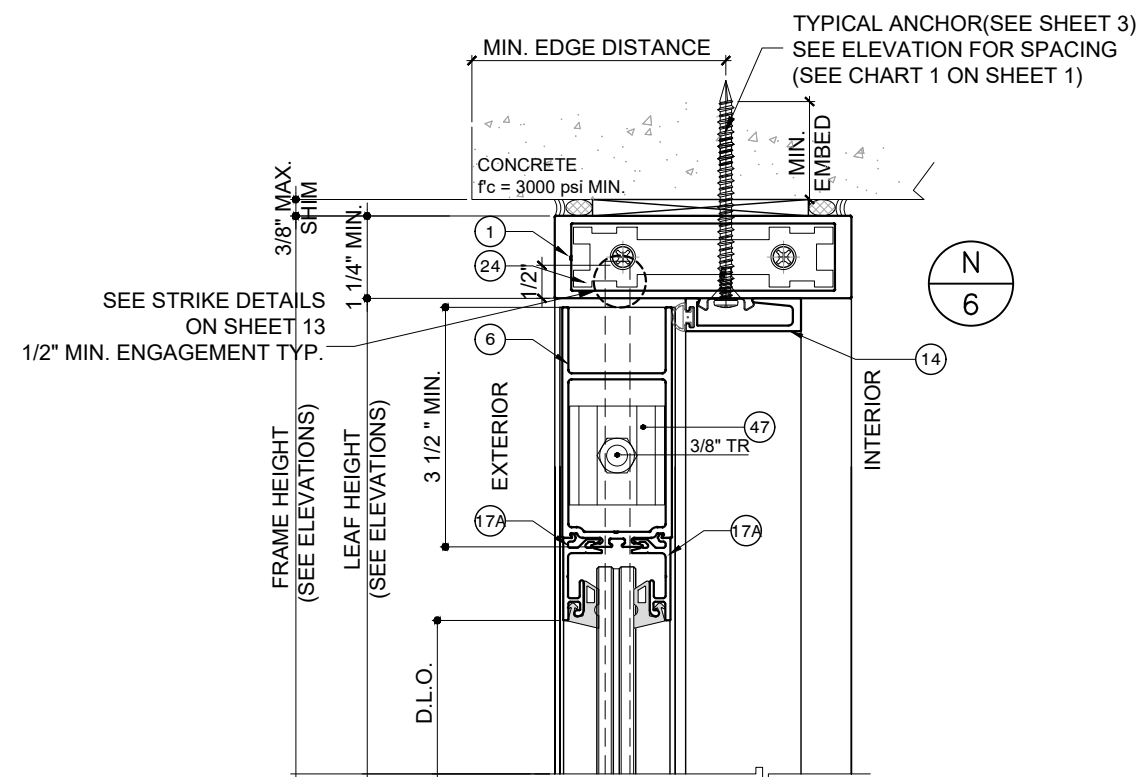
DRAWN: James
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**5" BUMPER THRESHOLD
(LIMITED WATER RESISTANCE)**

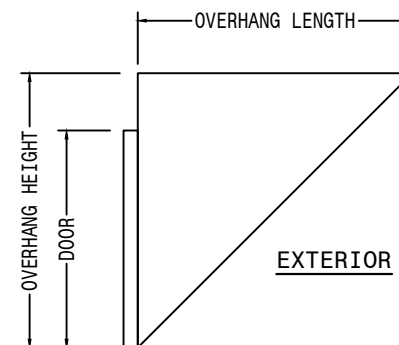
NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL INSTALL WHERE WATER INFILTRATION IS LESS THAN 5 PSF (POSITIVE LOAD ≤33.3PSF) OR WHERE WATER INFILTRATION IS NOT REQUIRED OR MEET THE NOTES ON RIGHT.



**ULTRAFAB E205 THRESHOLD GASKET
OPTION**

EPDM GASKETS USED IN THIS FENESTRATION PRODUCT ARE IN COMPLIANCE WITH ASTM STANDARD C864.

NOTE #1:
UNITS WHERE WATER INFILTRATION IS REQUIRED 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. IT IS APPLIED TO 4" NON-WATER RATING SADDLE THRESHOLD (DETAIL C/7) AND 4" (DETAIL I/7) OR 5" (DETAIL H/6) BUMPER THRESHOLD.



$$OH \text{ RATIO} = \frac{\text{OVERHANG LENGTH}}{\text{OVERHANG HEIGHT}} \geq 1$$

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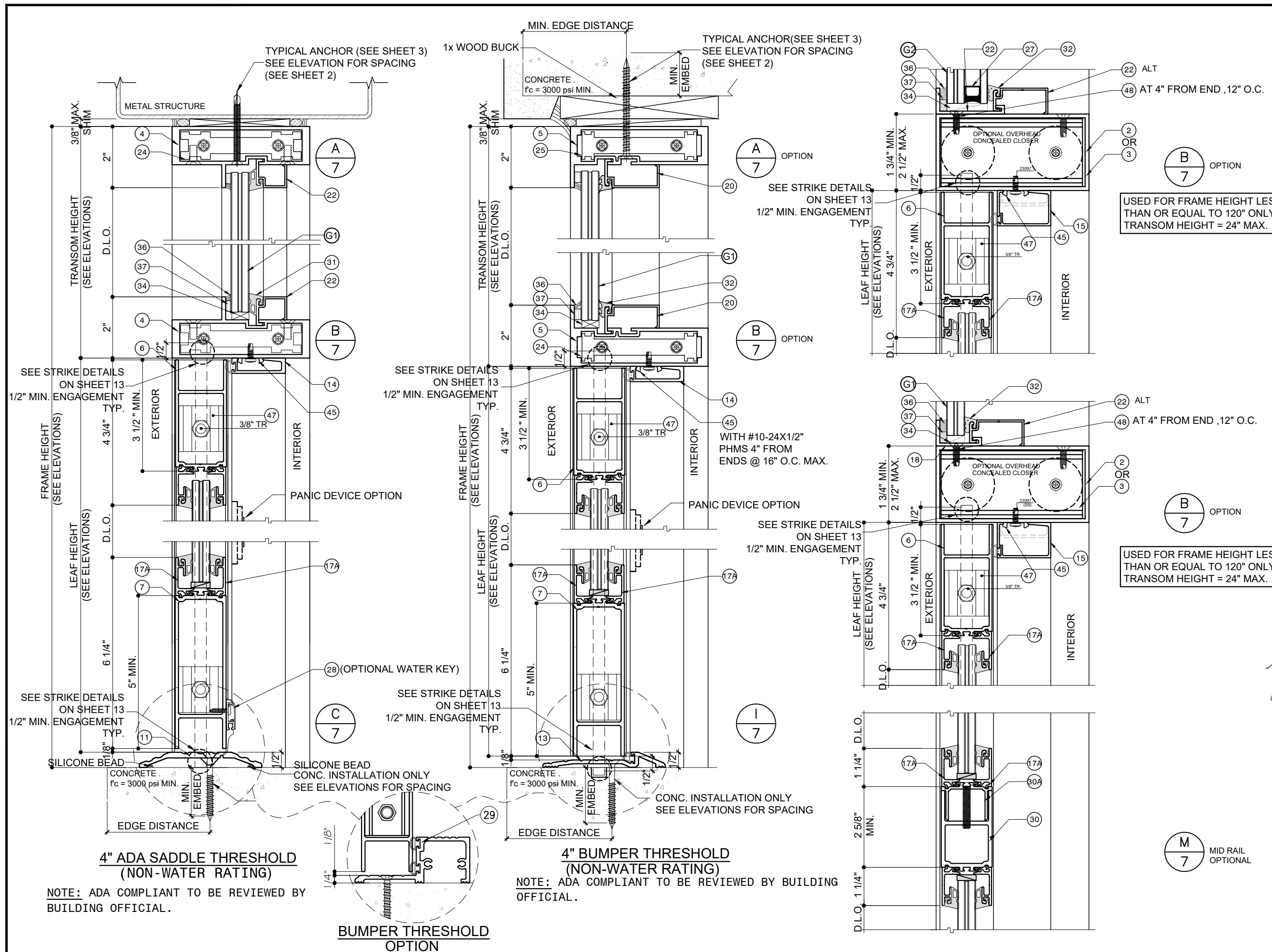
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4" ADA SADDLE THRESHOLD (NON-WATER RATING)

NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL.

BUMPER THRESHOLD OPTION

4" BUMPER THRESHOLD (NON-WATER RATING)

NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL.

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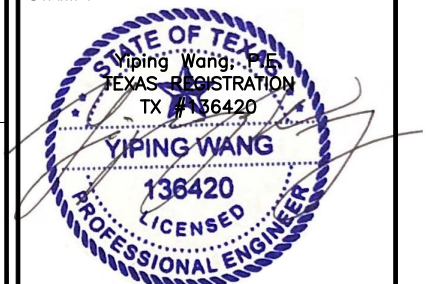


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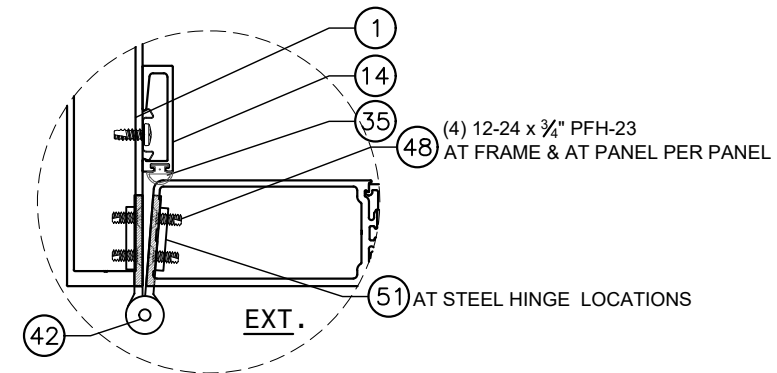
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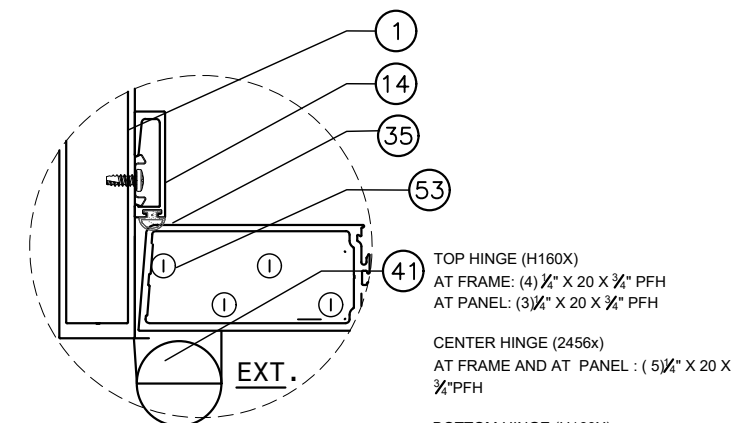
DRAWING No:
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NOTE: HINGES SHOWN ARE IMAGE ONLY.



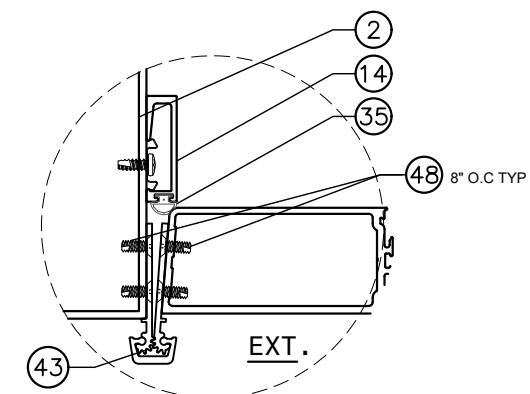
H1 HINGE OPTION 1: (26298)
4-1/2" STEEL BUTT HINGE

(SEE ELEVATION FOR LOCATION)



H2 HINGE OPTION 2:
OFFSET PIVOT HINGE

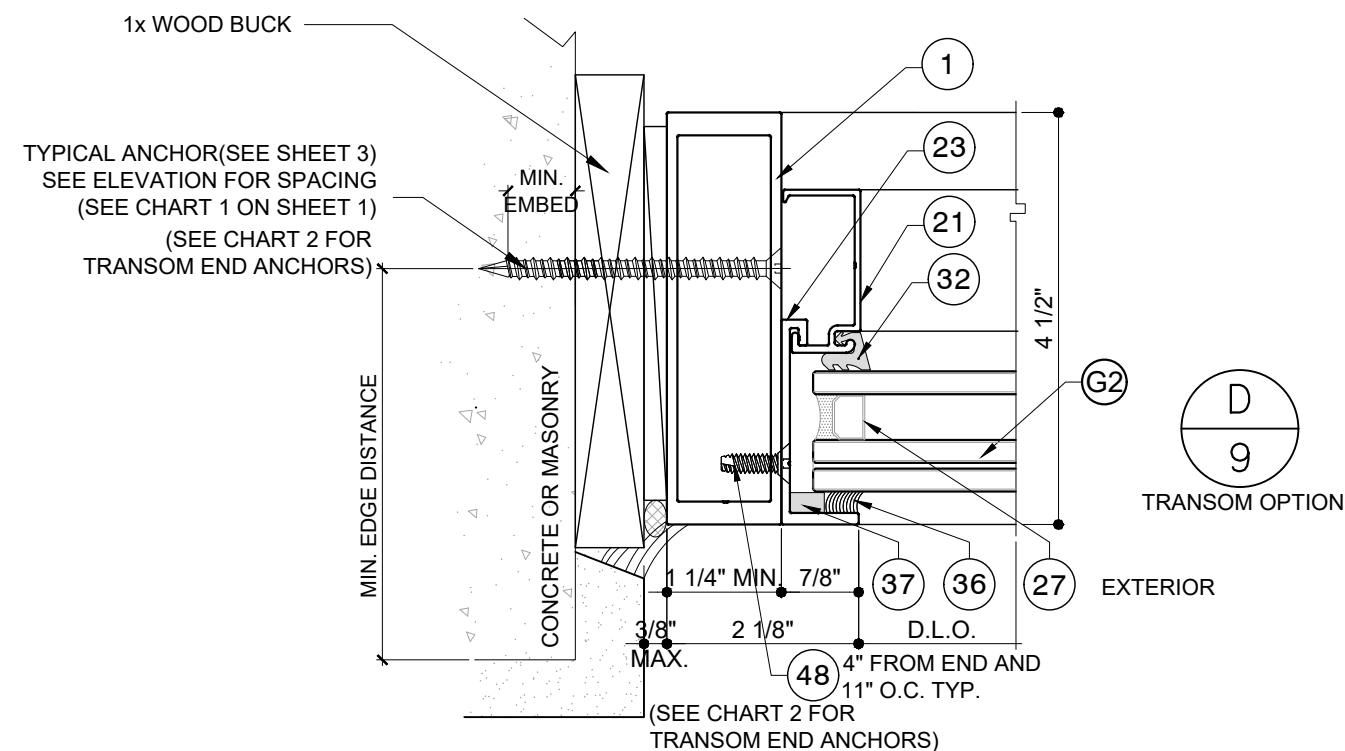
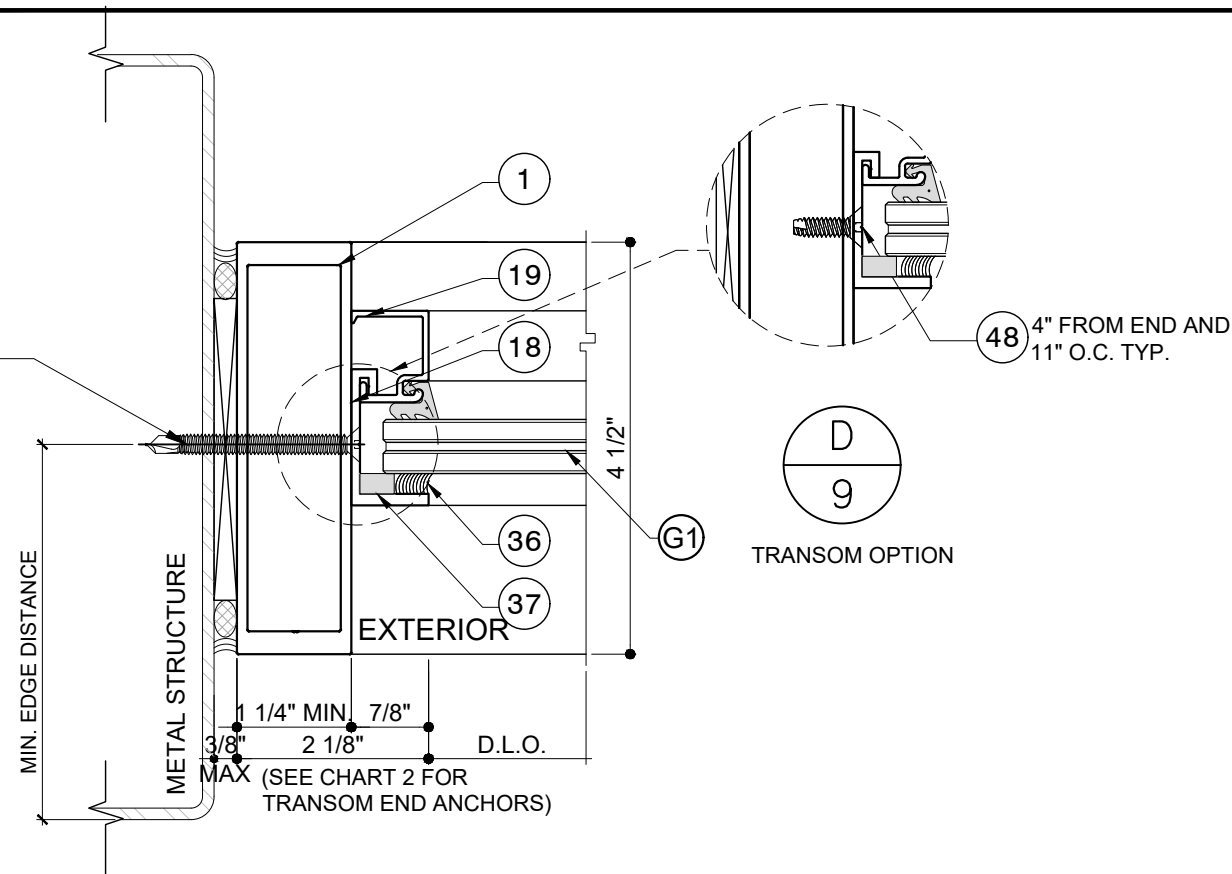
(SEE ELEVATION FOR LOCATION)



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

(SEE ELEVATION FOR LOCATION)

TYPICAL ANCHOR(SEE SHEET 3)
SEE ELEVATION FOR SPACING
(SEE CHART 1 ON SHEET 1)



NOTE:
1- DOOR OR DOOR WITH TRANSOM IS QUALIFIED FOR INSTALLATION INTO APPROVED STOREFRONT(SEE SHEET 3 AND DETAIL E/10).
2- REINFORCED STOREFRONT AND END ANCHORS REFER TO SEPARATE PRODUCT APPROVAL, TO BE REVIEWED BY BUILDING OFFICIAL.

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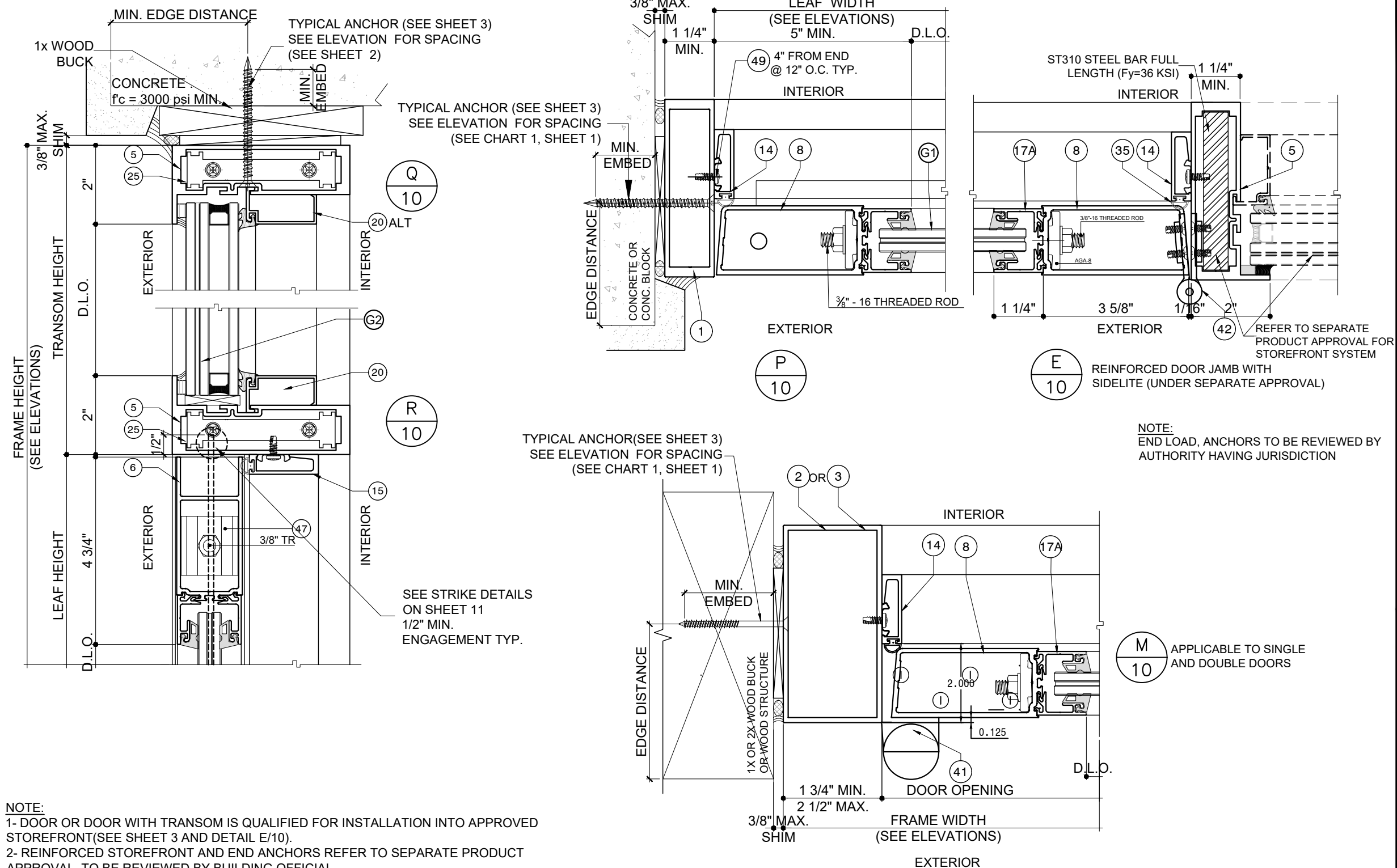
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NOTE:

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PRODUCT CONTROL APPROVAL:

1 1/8" LONG x 0.015" THK.
DOOR STOP CLIP
W/ #10X1/2" PHMS
6" FROM ENDS AND 12" OC

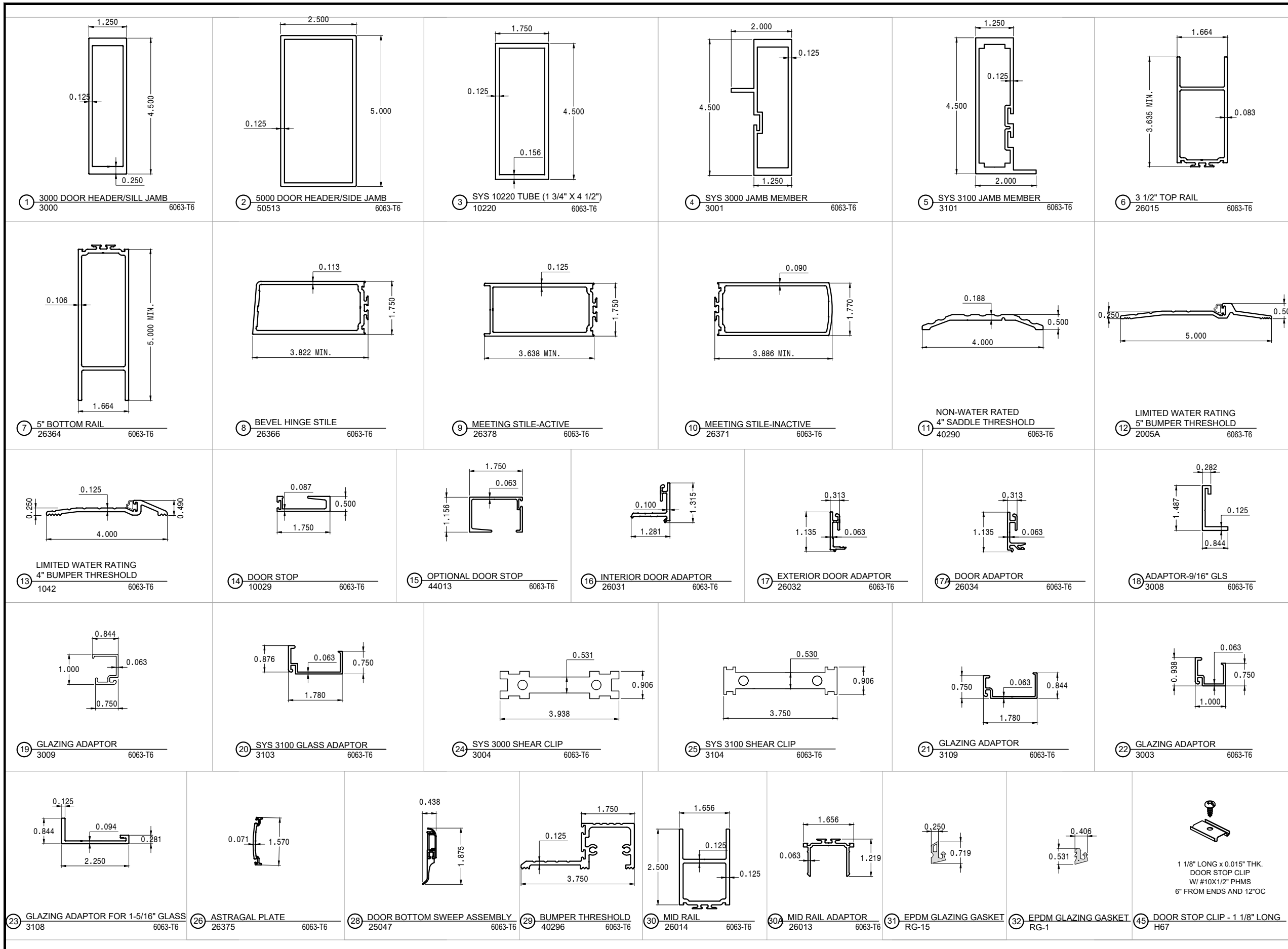
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BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	SUPPLIER/MANUF.
1	3000	3000 DOOR HEADER/SILL JAMB	ALUM. 6063-T6	BONNELL
2	50513	5000 DOOR HEADER/SIDE JAMB	ALUM. 6063-T6	BONNELL
3	10220	SYS 10220 1-3/4" X 4 1/2" TUBE	ALUM. 6063-T6	BONNELL
4	3001	3000 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T6	BONNELL
5	3101	3100 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T6	BONNELL
6	26015	3 1/2" TOP RAIL	ALUM. 6063-T6	BONNELL
7	26364	5" BOTTOM RAIL	ALUM. 6063-T6	BONNELL
8	26366	BEVEL HINGE STILE	ALUM. 6063-T6	BONNELL
9	26378	MEETING STILE-ACTIVE	ALUM. 6063-T6	BONNELL
10	26371	MEETING STILE-INACTIVE	ALUM. 6063-T6	BONNELL
11	40290	4"SADDLE THRESHOLD	ALUM. 6063-T6	BONNELL
12	2005A	5"BUMPER THRESHOLD	ALUM. 6063-T6	PEMKO
13	1042	4"BUMPER THRESHOLD	ALUM. 6063-T6	BONNELL
14	10029	DOOR STOP	ALUM. 6063-T6	BONNELL
15	44013	OPTIONAL DOOR STOP	ALUM. 6063-T6	BONNELL
16	26031	INTERIOR DOOR ADAPTOR	ALUM. 6063-T6	BONNELL
17	26032	EXTERIOR DOOR ADAPTOR	ALUM. 6063-T6	BONNELL
17A	26034	EXTERIOR DOOR ADAPTOR	ALUM. 6063-T6	BONNELL
18	3008	GLAZING ADAPTOR-9/16"	ALUM. 6063-T6	BONNELL
19	3009	GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
20	3103	SYS 3100 GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
21	3109	TRANSOM GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
22	3003	GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
23	3108	TRANSOM GLAZING ADAPTOR FOR 1-5/16" GLASS	ALUM. 6063-T6	BONNELL
24	3004	SYS 3000 SHEAR CLIP	ALUM. 6063-T6	BONNELL
25	3104	SYS 3100 SHEAR CLIP	ALUM. 6063-T6	BONNELL
26	26375	ASTRAGAL PLATE	ALUM. 6063-T6	BONNELL
27	1122	INSULATED ALUMINUM SPACER	ALUM. 6063-T6	ALL METAL INC.
28	25047	DOOR BOTTOM SWEEP ASSEMBLY	ALUM / RUBBER	HAGER
29	40296	1 1/2" x 3 3/4" BUMPER THRESHOLD	ALUM. 6063-T6	BONNELL
30	26014	MID RAIL	ALUM. 6063-T6	BONNELL
30A	26013	MID RAIL ADAPTOR	ALUM. 6063-T6	BONNELL
31	RG15	EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO
32	RG1	EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO
33	23301	RUBBER GROMMET AT ASTRAGAL	NITRILE	RUBBER GROMMET
34	H62D	1/2"x 1/4" SETTING BLOCK	EPDM (DUROMETER 85 +/-5 SHORE A)	TREMCO
34A	H62F	1 3/8"x 1/4" SETTING BLOCK	EPDM (DUROMETER 85 +/-5 SHORE A)	TREMCO
35	RG5	DOOR STOP GASKET	EPDM (DUROMETER 65 SHORE A)	TREMCO/CORSON
36	DOWSIL995	DC995 SILICONE	SILICONE	DOW CORNING
37	V2108	1/4"X3/8" GLAZING TAPE	FOAM	ST. GOBAIN
41	H160X SET	(TOP)	ALUM. 6063-T6	GLOBAL DOOR
		(BOTTOM)	ALUM. 6063-T6	GLOBAL DOOR
42	26008 MIDSPAN	4-1/2" STEEL BUTT HINGE 1/8" THK.	ALUM 6063-T6	GLOBAL COMPANIES
43	6009X	ALUM CONTINUOUS GEARED HINGE 0.094" THK.	ALUM. 6063-T6	HAGER COMPANIES
44	24110	BRUSH PILE AT DOOR MEETING STILE	YARN	AMESBURY GROUP
45	23501	DOOR STOP CLIP-1 1/8" LG, 6" ON ENDS, 12" O.C.	STEEL	EVANS MANUFACTURING
46	SPACER2	PVC SETTING BLOCK FOR 9/16" GLASS	PVC PLASTIC	M & M PLASTIC
47	2620301	BACKING PLATE	ALUM. 6063-T6	BONNELL
48	23163	#12-24" x 3/4" PFH-23	ZINC COATED STEEL	ALLOY FASTENER
49	23897	#10-24" x 1/4" PFH	STEEL	VARIES
50	23302	#6 x 3/4" UC-PFH TEK	STEEL	VARIES
51	26139	HINGE BACKING PLATE	STEEL	EVANS
52	23233	1/4-20 X 1-1/2" PFH	ZINC COATED STEEL	ALLOY FASTENER
53	23089	#10-24" x 5/10" PFH	ZINC COATED STEEL	ALLOY FASTENER
54	23079	#10-24" x 3/14" PFH	STEEL	ALLOY FASTENER
55	ULTRAFAB E205	BUMPER THRESHOLD GASKET	EPDM (DUROMETER 65 SHORE A)	TREMCO/GRP



http://www.trulite.com

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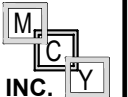
PRODUCT:

**351 SERIES
ALUM OUTSWING
DRY-GLAZED
DOORS**

W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REV#	DATE/REMARKS
2	01.28.2022

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PARKWAY #301
MIRAMAR FL33027

P: 305-271-0117
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



January 28th, 2022

PRODUCT CONTROL APPROVAL:

DRAWN: James	DRAWING No:
DATE: 01.28.2022	12 OF 13
DWG: TA18-01	

PRODUCT:

351 SERIES ALUM OUTSWING DRY-GLAZED DOORS

W/ OR W/O TRANSOM
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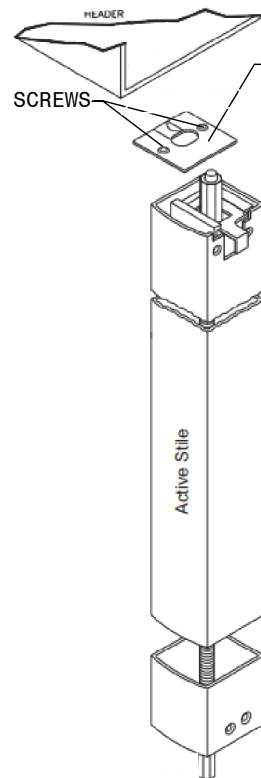
DRAWING No:

DATE: 01.28.2022

13 OF 13

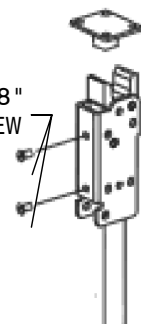
DWG: TA18-01

(2) #6-3/4" FH SDS SCREWS
STRIKE PLATE
(AT EACH DOOR PANEL
HEADER ONLY)



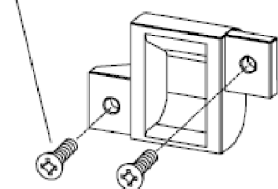
**STRIKES (AHT 8000)
LOCK OPTION 1**

(2) #10-24 BY 3/8"
MOUNTING SCREW



**STRIKES (FALCON DOOR-O-MATIC)
LOCK OPTION 2**

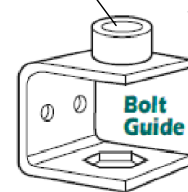
Screw Pkg 900285



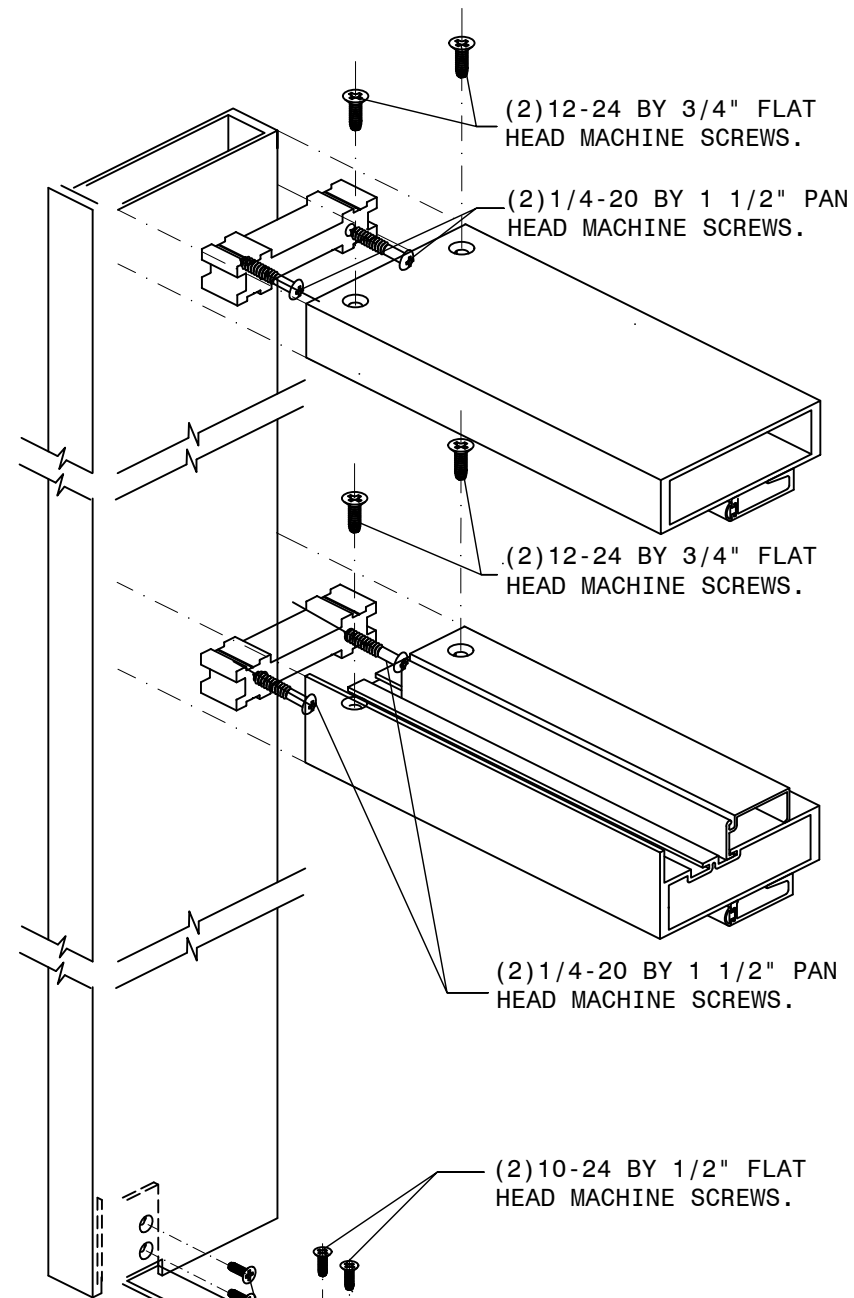
**338 Strike (Top) Standard
Panic or Fire Exit Hardware**

**STRIKES (VONDUPRIN 9947)
LOCK OPTION 3**

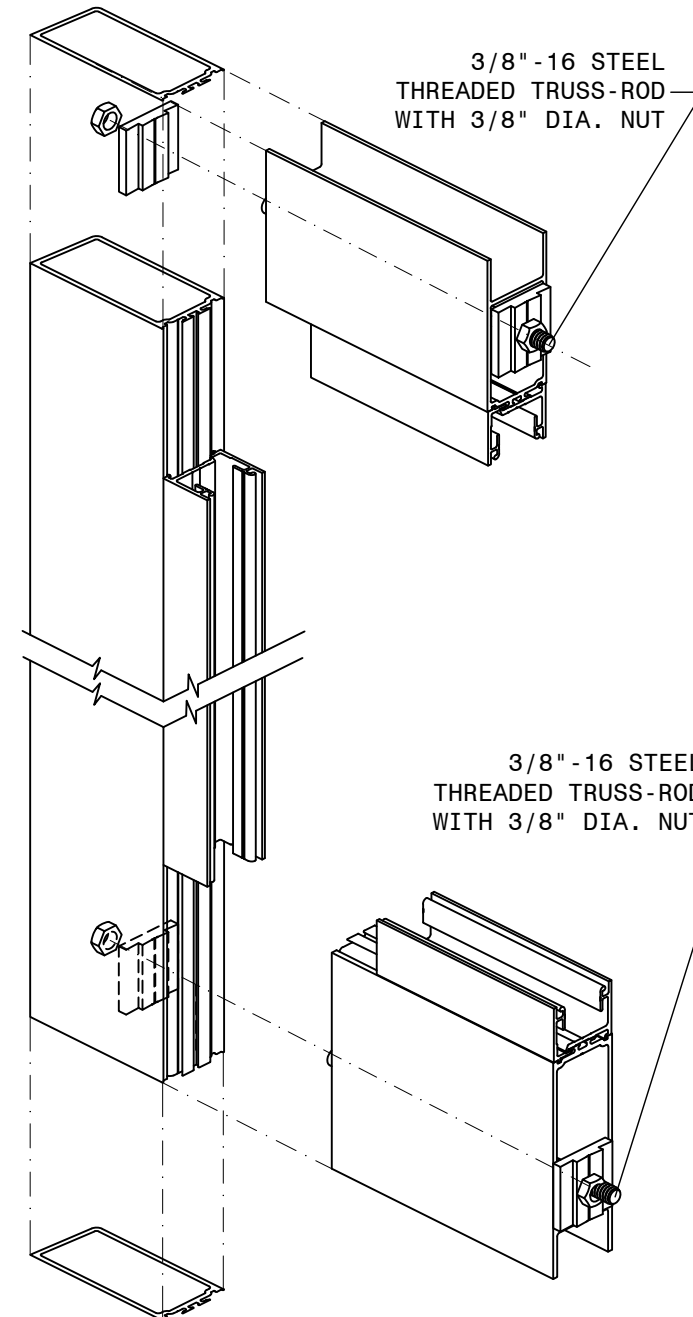
11/16" THROW



**ADAMS RITE TOP/BOTTOM STRIKE
LOCK OPTION 4**



FRAME CORNER CONNECTION



DOOR PANEL CORNER CONNECTION