

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: 6063-T5 ALUMINUM.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING HEAD AND JAMBS INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

14. FOR ANCHORING HEAD AND JAMBS INTO MASONRY/CONCRETE USE 1/4" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING HEAD AND JAMBS INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING SILL INTO WOOD FRAMING OR 2X BUCK USE 3/8" LAG SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING WATER THRESHOLD INTO CONCRETE/MASONRY USE 3/8" POWER BOLT ANCHORS WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 4 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. FOR ANCHORING SILL INTO METAL STRUCTURE USE 3/8" SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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 BELOW:
  - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
  - C. MASONRY: HOLLOW FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
  - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
23. THIS SYSTEM IS FIELD GLAZED AND ASSEMBLED. CONTRACTOR/GLAZIER IS RESPONSIBLE FOR COMPLYING WITH GLAZING AND ASSEMBLY REQUIREMENTS.
24. ALL DISSIMILAR MATERIALS MUST BE SEPARATED PER STANDARD INSTALLATION PRACTICES.

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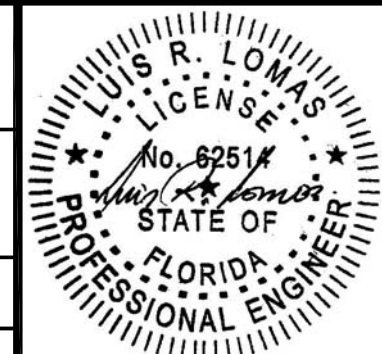
**US ALUMINUM**  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
NOTES

DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 1 OF 15

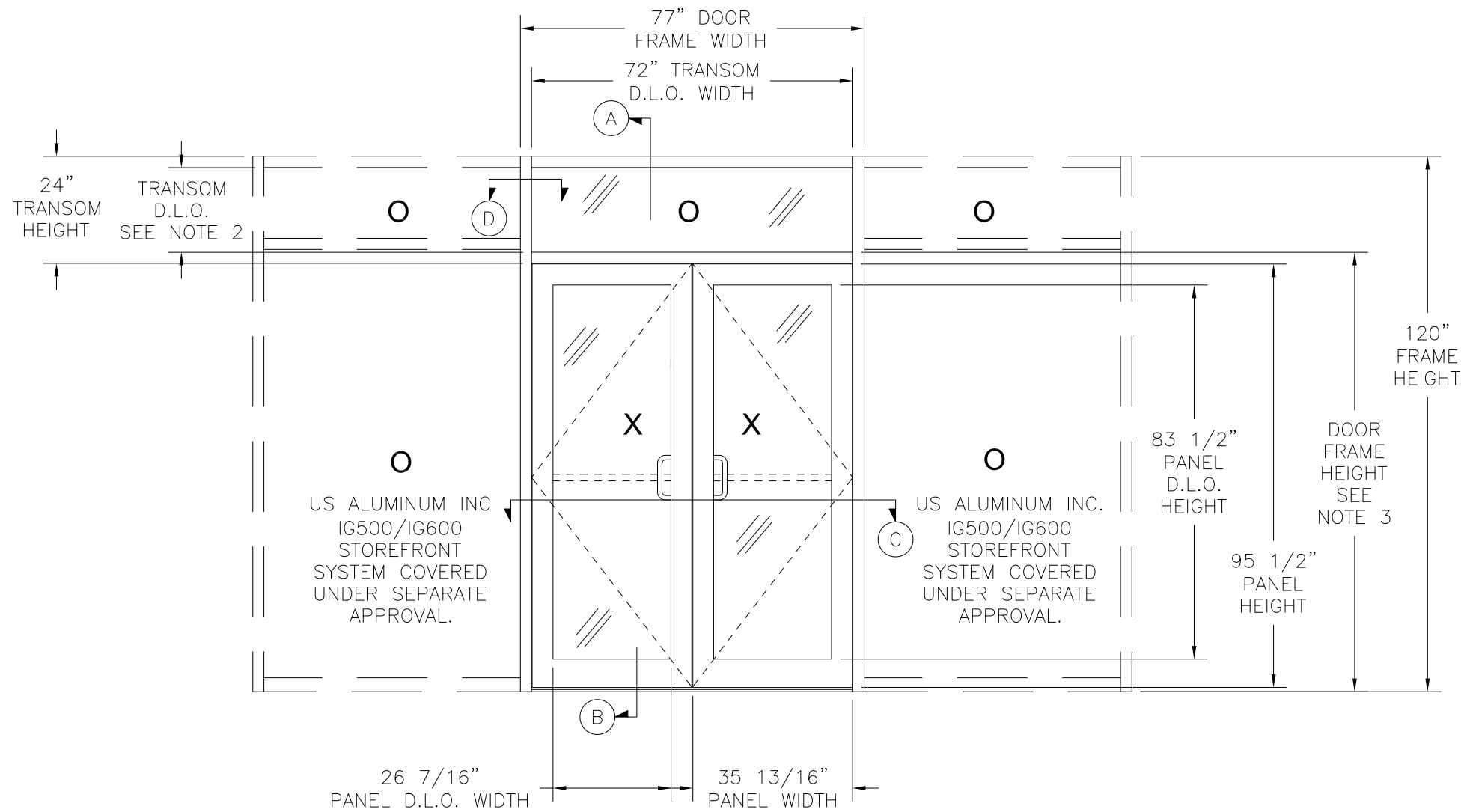
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434-688-0609 rllomas@rlomaspe.com

SIGNED: 03/24/2023



Luis R. Lomas P.E.  
FL No.: 62514

REVISIONS			
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**NOTES:**

- DOORS MAY BE LEFT HAND OUTSWING OR RIGHT HAND OUTSWING.
- MAXIMUM TRANSOM D.L.O.:  
SERIES IG500: 18 1/16"  
SERIES IG600: 19"
- MAXIMUM DOOR FRAME HEIGHT:  
SERIES IG500: 99 7/16"  
SERIES IG600: 98 1/2"
- HINGE LOCATIONS FROM BOTTOM OF PANEL UP TO BOTTOM OF HINGE:  
FIRST HINGE: 6"  
SECOND HINGE: 45 1/2"  
THIRD HINGE: 84 15/16"

**SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT**  
**DOUBLE DOOR WITH TRANSOM**  
 EXTERIOR VIEW

UNITS INSTALLED WITH WATER THRESHOLD, ITEMS #5 AND #6

DESIGN PRESSURE RATING	IMPACT RATING
±65PSF	NONE

UNITS INSTALLED WITH AIR SILL, ITEM #7

DESIGN PRESSURE RATING	IMPACT RATING
±65PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

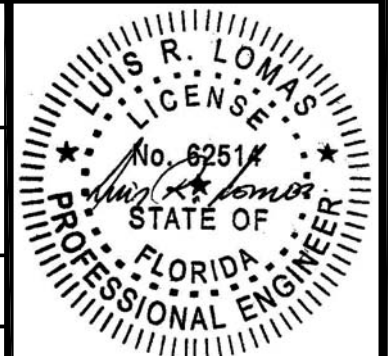
**Design pressure chart (PSF)**

Panel Height (In)	Single Panel Width (in)					
	24.00		30.00		35.75	
	Pos	Neg	Pos	Neg	Pos	Neg
80.00	100.0	100.0	92.5	92.5	81.2	81.2
84.00	100.0	100.0	87.1	87.1	76.3	76.3
90.00	96.4	96.4	80.2	80.2	70.0	70.0
95.50	90.0	90.0	74.7	74.7	65.0	65.0

REFER TO RATING BOXES FOR WATER LIMITATIONS.

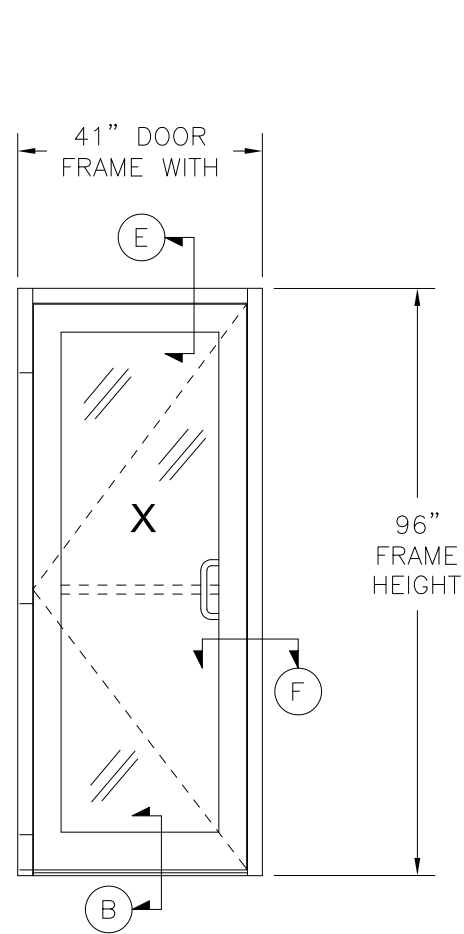
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US ALUMINUM 9050 SOLON RD. WAXAHACHIE, TX 75165		
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM NON-IMPACT ELEVATION		
DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 2 OF 15
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

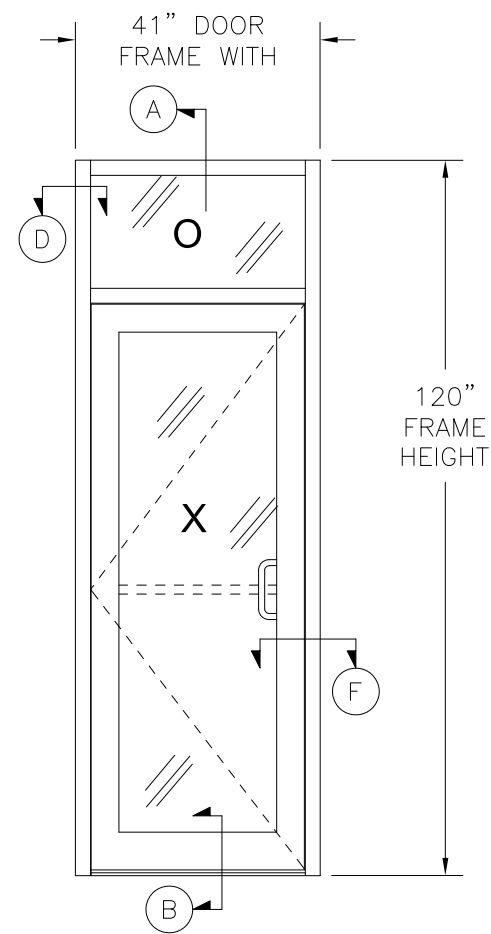


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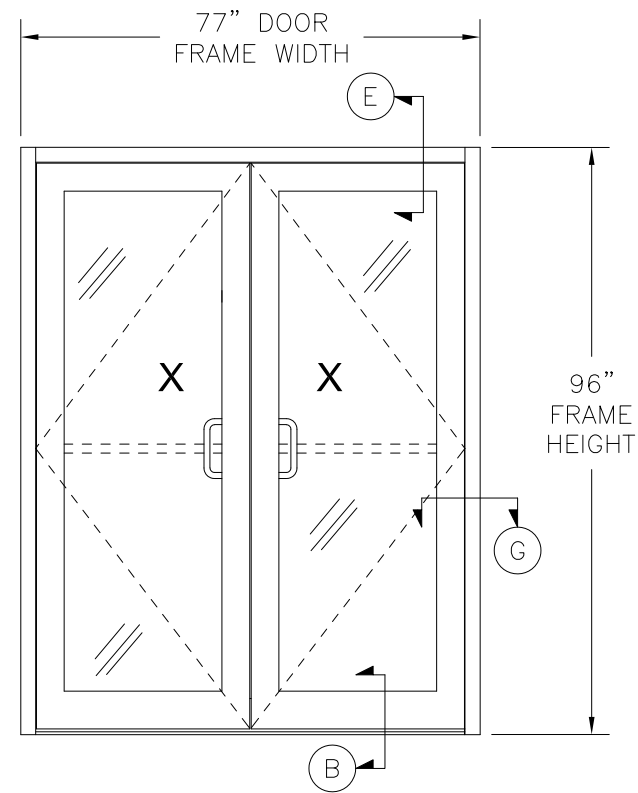
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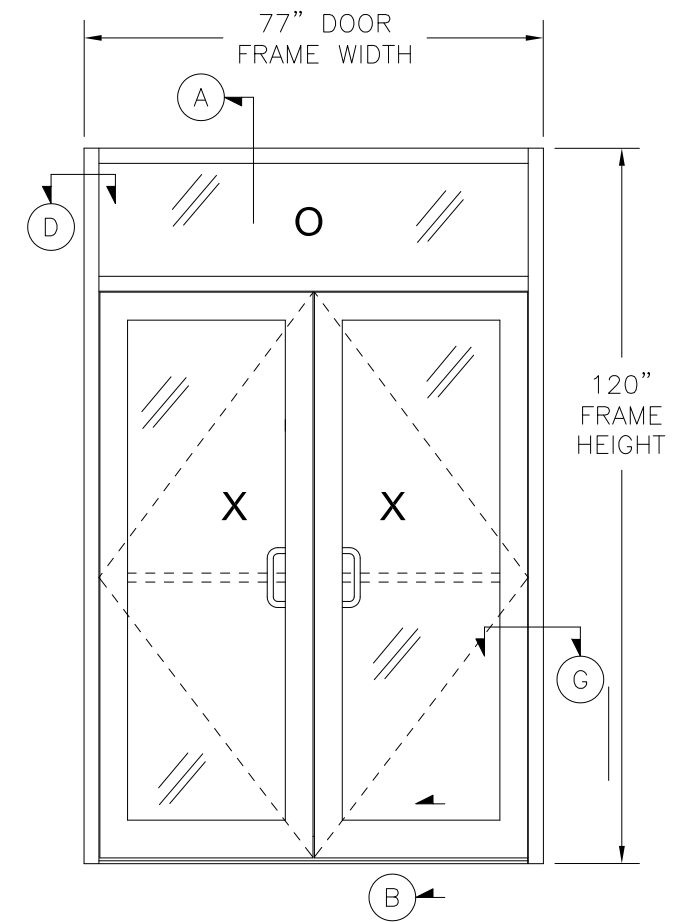
SINGLE



SINGLE W/TRANSOM



DOUBLE



DOUBLE W/TRANSOM

HARDWARE SCHEDULE	
HINGING METHOD	PUSH / PULLS
HAGER BUTT HINGE	STANDARD PUSH BAR
DH299 GEAR HINGE PEMKO	STANDARD PULL HANDLE
DH022 OFFSET PIVOTS	ROCKWOOD PUSH/PULL BX15745

LOCKS / EXIT DEVICES	CLOSERS
USAL SIX PIN CYLINDER AND CYLINDER RING	CRL 045 SMC
USAL THUMB TURN	JACKSON 20-330 OHCC
USAL FLUSH BOLTS	LCN4111 SMOOTHIE SMC
JACKSON 1285 CVR PANIC	LCN1461 SMC
JACKSON 2086 CVR PANIC	LCN 2030 OHCC
IVES FLUSH BOLTS	LCN 4040 SUPER SMOOTHIE SMC
ADAMS RITE 1850	DORMA 650 SMC
ADAMS RITE 1880	DORMA 650 PAFHO SMC
ADAMSRITE G86 CVR PANIC	
AHT CVR PANIC	

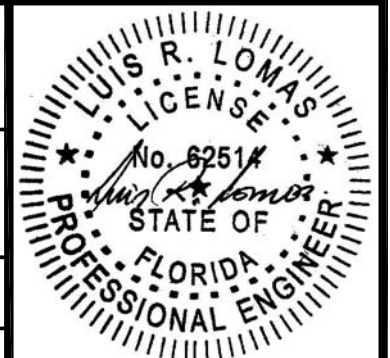
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ADDITIONAL APPROVED CONFIGURATIONS

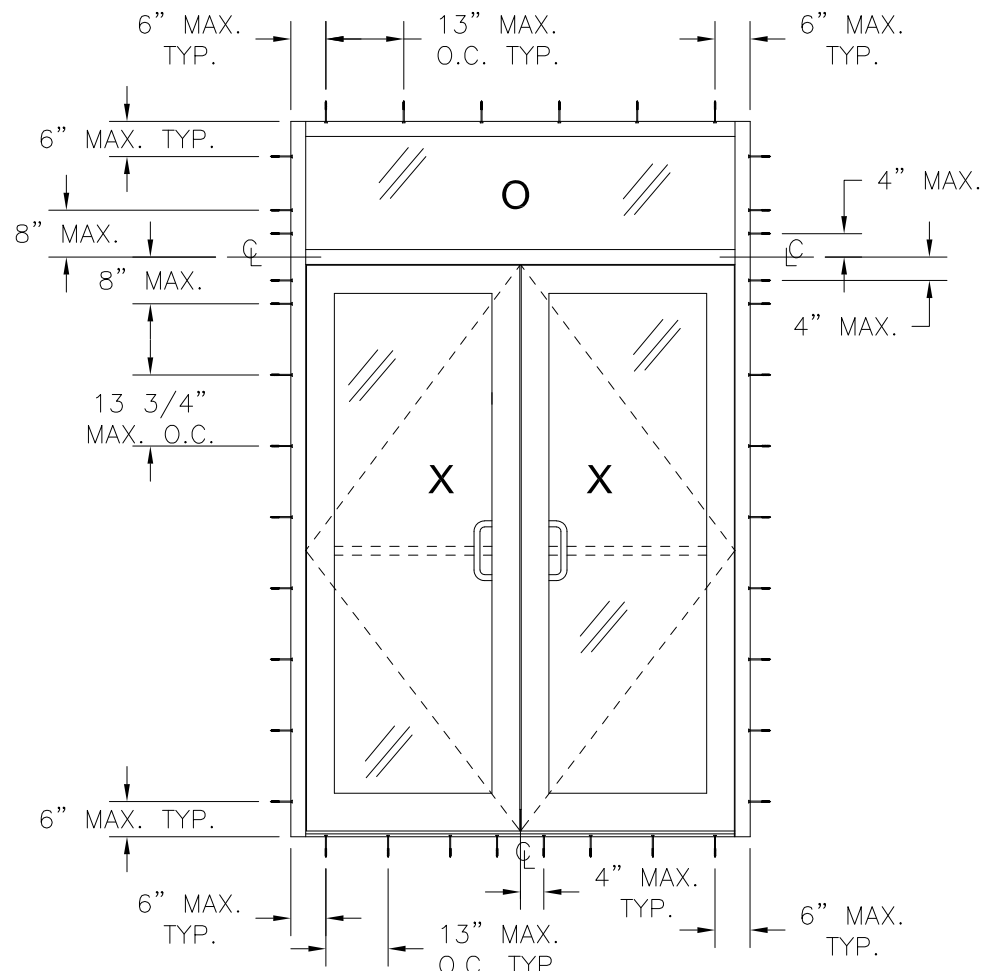
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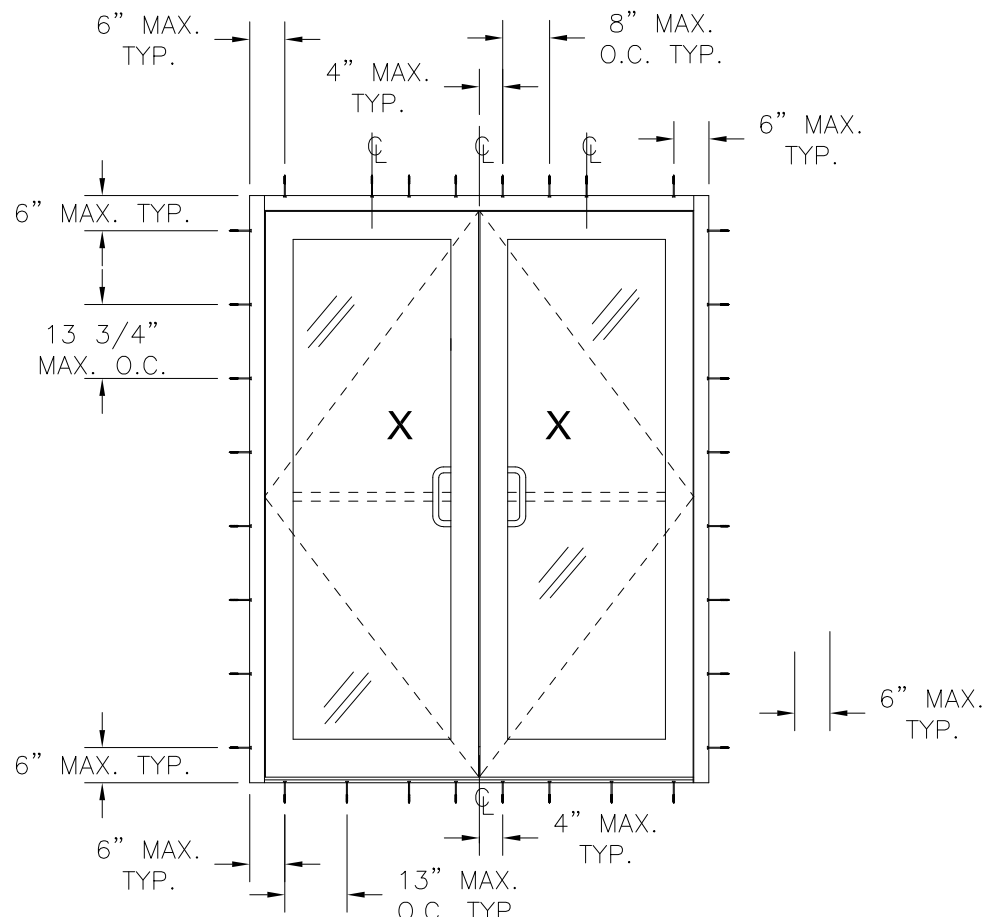
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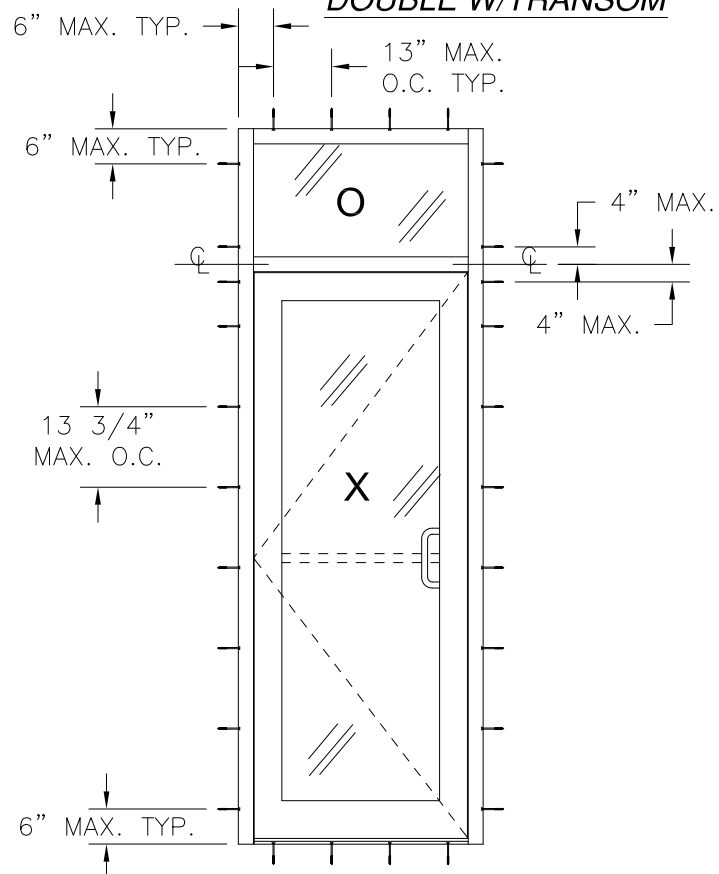
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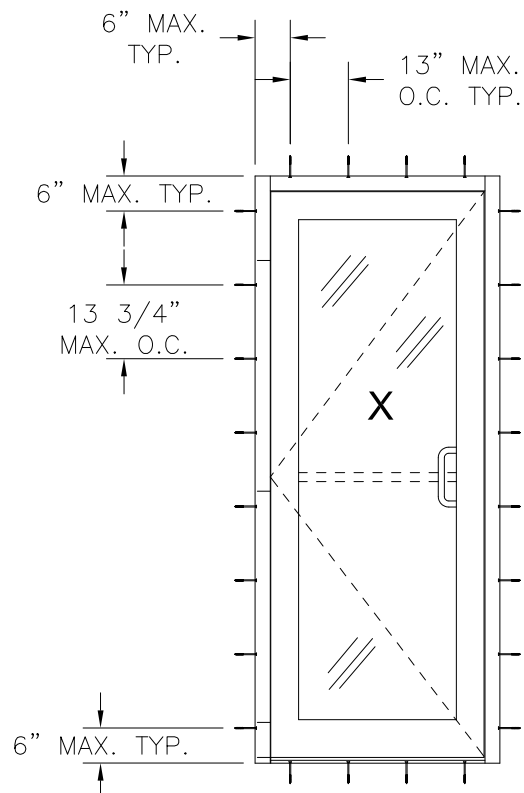
**DOUBLE W/TRANSOM**



**DOUBLE**

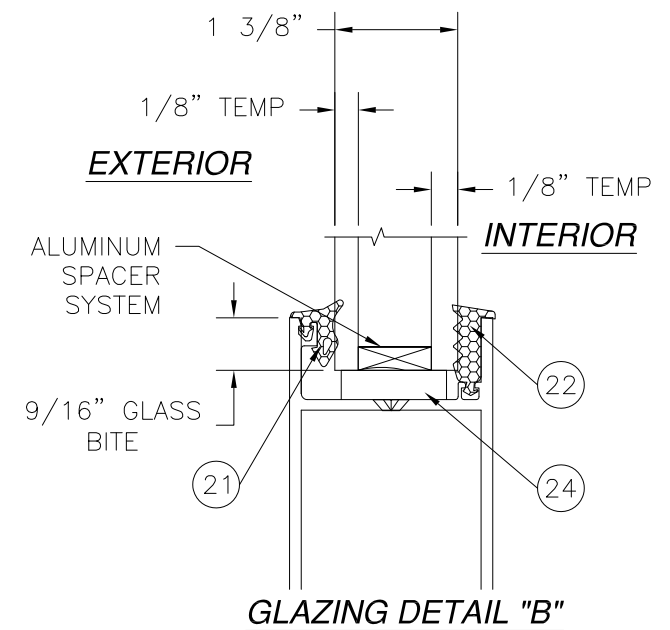
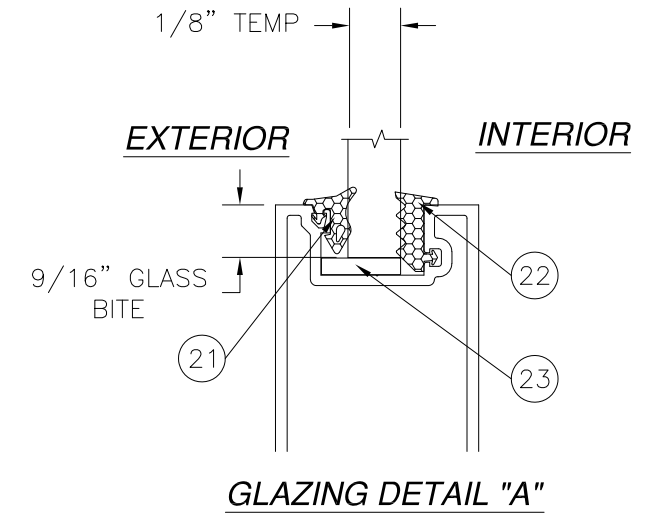


**SINGLE W/TRANSOM**



**SINGLE**

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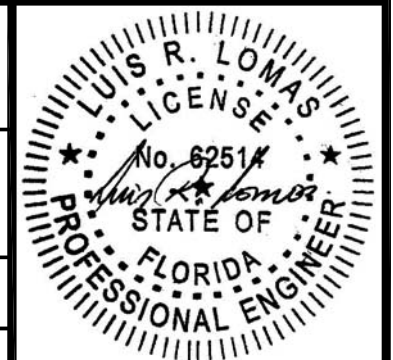
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ANCHORING LAYOUTS AND GLAZING DETAILS

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PARTS LIST										REVISIONS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL						REV	DESCRIPTION	DATE	APPROVED
1	IG526	MAIN FRAME - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5						C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.
2	IG626	MAIN FRAME - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
3	IG577	HORIZONTAL MULL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL				
4	IG677	HORIZONTAL MULL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	41	IE450	LOCK STILE - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
5	IG570	SUB-SILL	US ALUMINUM	ALUMINUM 6063-T5	42	IE550	LOCK STILE - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
6	TH800	WATER THRESHOLD	US ALUMINUM	ALUMINUM 6063-T5	43	IE460	LOCK STILE - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
7	TH811	AIR SILL	US ALUMINUM	ALUMINUM 6063-T5	44	IE560	LOCK STILE - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
8	IG524	FILLER VERTICAL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	45	NP802	DOOR WEATHERSTRIP	US ALUMINUM					
9	IG624	FILLER VERTICAL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	46	CB802	SHEAR CHANNEL	US ALUMINUM	ALUMINUM 6063-T5				
10	IG563	STOP - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	47	1285	PANIC BAR	JACKSON					
11	IG663	STOP - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	48	G86	PANIC BAR	ADAMS RITE					
12	IG100	FILLER JAMB/HEAD	US ALUMINUM	ALUMINUM 6063-T5	49	4111	CLOSER	LCN					
13	EC801	SUB-SILL END DAM	US ALUMINUM	A-245	50	1461	SURFACE CLOSER	LCN					
14	IE402	TOP RAIL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	51	20-330	OHCC CLOSER	JACKSON					
15	IE502	TOP RAIL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	52	2030	OHCC CLOSER	LCN					
16	IE050	DOOR GLASS STOP - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	53	CL045	SURFACE CLOSER	CR LAWRENCE					
17	IE150	DOOR GLASS STOP - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	54		FLUSH BOLT	US ALUMINUM					
18	IE401	BOTTOM RAIL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	55		FLUSH BOLT	IVES					
19	IE501	BOTTOM RAIL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5	56		STANDARD LOCK						
20	NP801	DOOR WEATHERSTRIP	US ALUMINUM		57		1 1/2" BUTT HINGE PAIR	HAGER					
21	NP825	EXTERIOR GASKET	TREMCO	EDPM 70 DUROMETER	58	CB801	2 3/8" CORNER BLOCK	US ALUMINUM					
22	NP826	INTERIOR GASKET	TREMCO	EPDM 70 DUROMETER	59	ST197	#8 x 3/8" PH SMS						
23	SB916	SETTING BLOCK	US ALUMINUM	EPDM 85 DURO	60	DN350	LOCK STILE CAP	US ALUMINUM	ALUMINUM 6063-T5				
24	SB917	SETTING BLOCK	US ALUMINUM	EPDM 85 DURO	61	IG200	DOOR STOP	US ALUMINUM	ALUMINUM 6063-T5				
25	ST266	#12 x 1" HWH SMS			62	IG567	HORIZONTAL MULL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
26	ST268	#12 x 3/4" HWH SMS			63	IG667	HORIZONTAL MULL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5				
27		NOT USED			64	CB901	CORNER BLOCK	US ALUMINUM					
28		8GA. STEEL STIFFENER HEAVY	US ALUMINUM	A36 MILD STEEL	65		3/8" - 16 x 3" HH BOLT						
29	WB600	W BLOCK .688" WIDE			66	TC800	11GA. THRESHOLD CLIP	US ALUMINUM	COLD ROLLED STEEL				
30	ST035	#10 x 5/8" FH SMS			67		#12-24 x 1/4" SCREW						
31	DOW995	SILICONE SEALANT	DOW CORNING	SILICONE									
32	CB801	6 1/8" CORNER BLOCK	US ALUMINUM										
33	TH804	SILL INSERT	US ALUMINUM	ALUMINUM 6063-T5									
34	D916	SETTING BLOCK	US ALUMINUM	EPDM 85 DURO									
35	IE420	PLAIN STILE - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
36	IE520	PLAIN STILE - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
37	IG046	DOOR STOP - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
38	IG146	DOOR STOP - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
39	IG047	STOP RETAINER - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									
40	IG147	STOP RETAINER - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5									

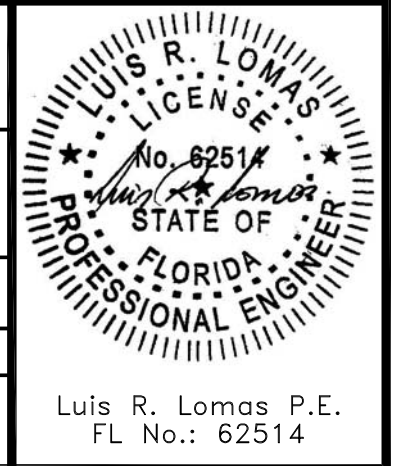
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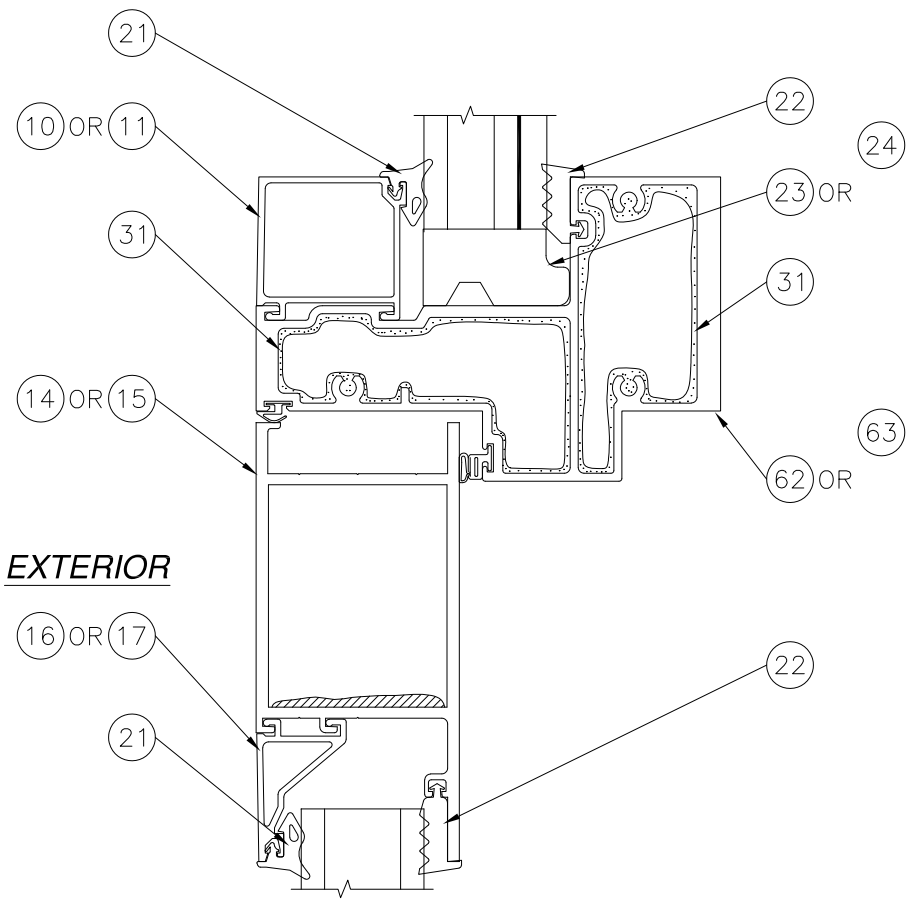
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 BILL OF MATERIALS

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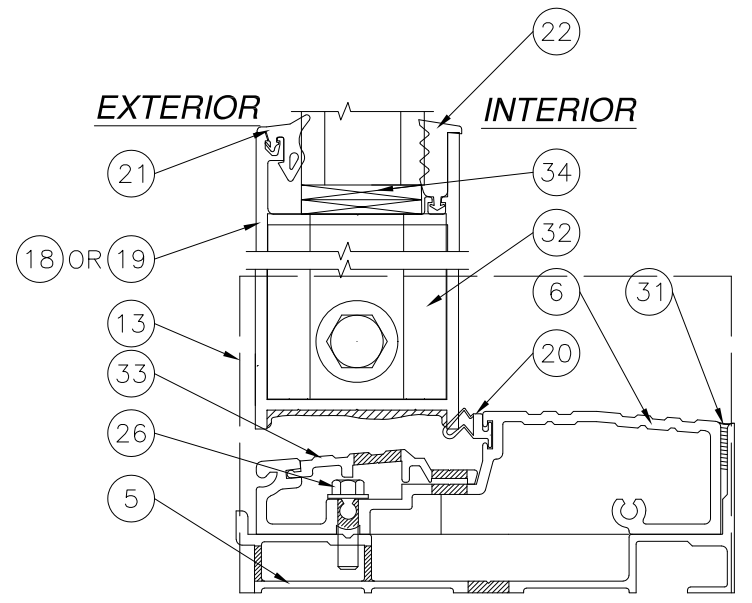
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EXTERIOR

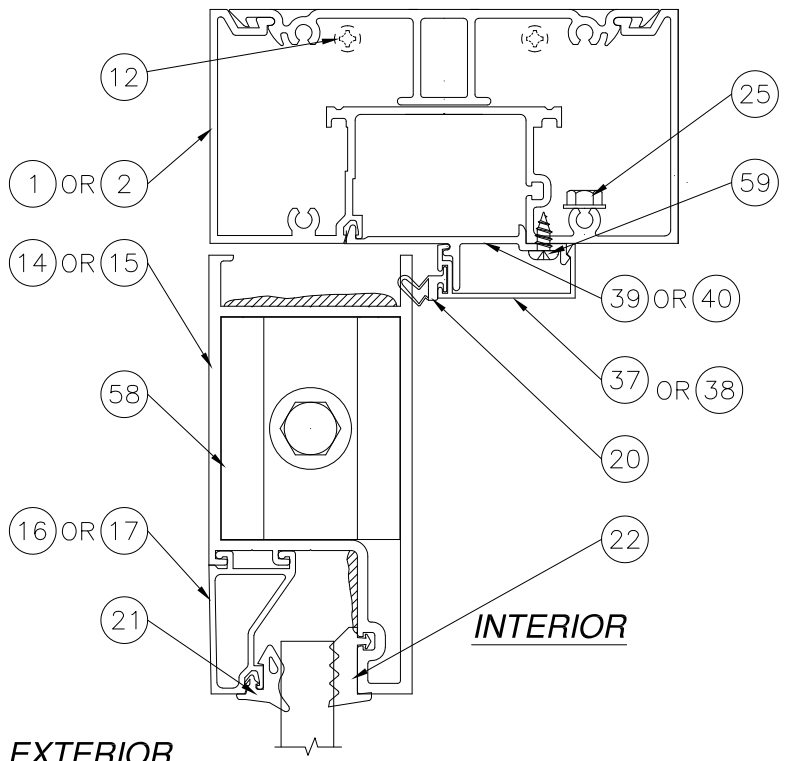
**H** OPTIONAL DOOR HEADER AND TRANSOM



EXTERIOR

INTERIOR

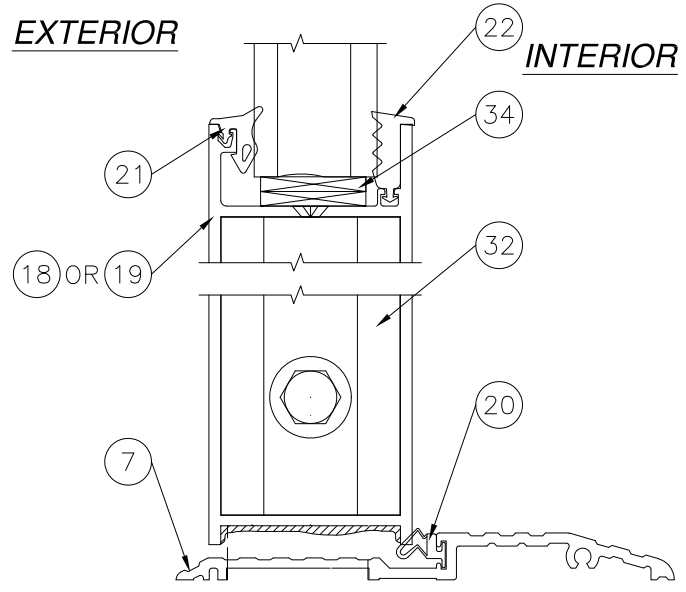
**B** DOOR WITH WATER THRESHOLD



EXTERIOR

INTERIOR

**E** DOOR HEADER



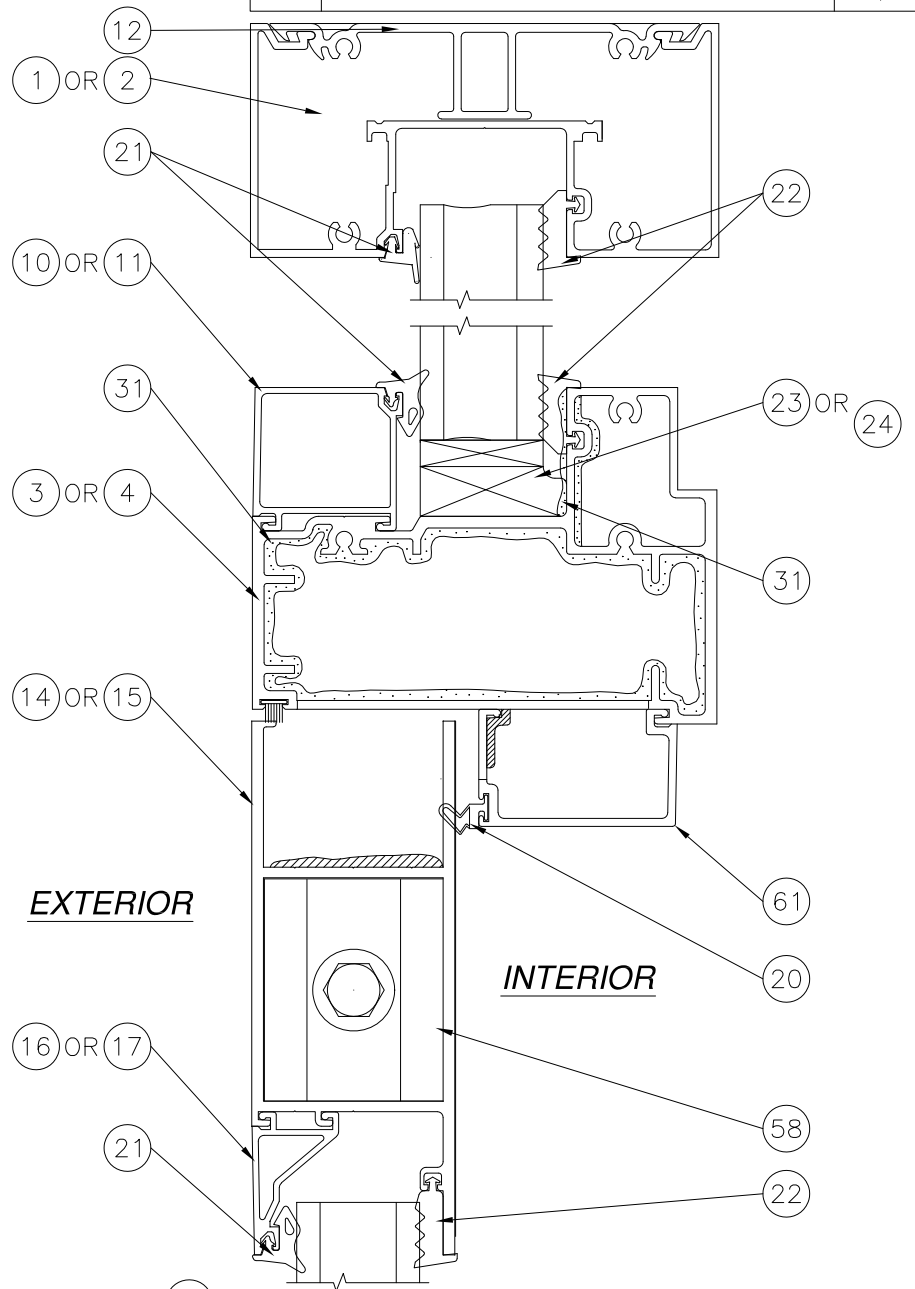
EXTERIOR

INTERIOR

**B** DOOR WITH AIR SILL

NOTE: FOR ANCHORING TO SUBSTRATE SEE SHEETS 7 THRU 10.

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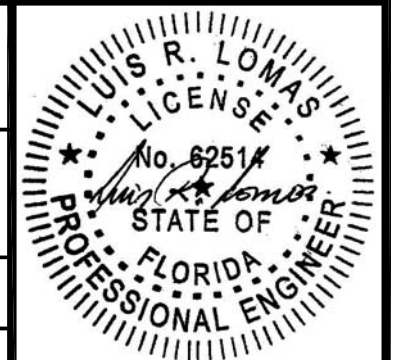
EXTERIOR

INTERIOR

**A** DOOR HEADER AND TRANSOM  
FOR OPTIONAL HEADER AND TRANSOM SEE DETAIL H

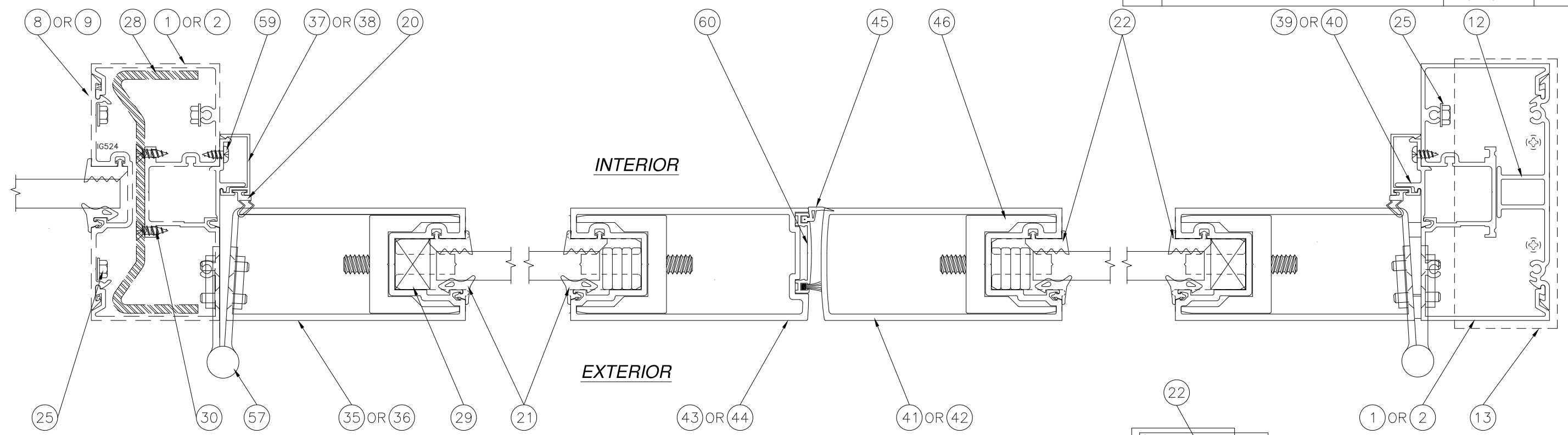
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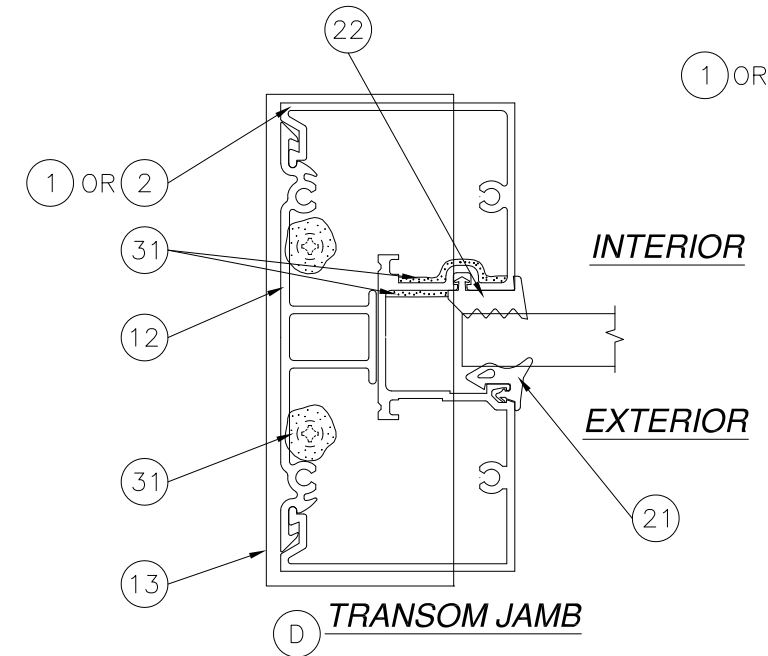
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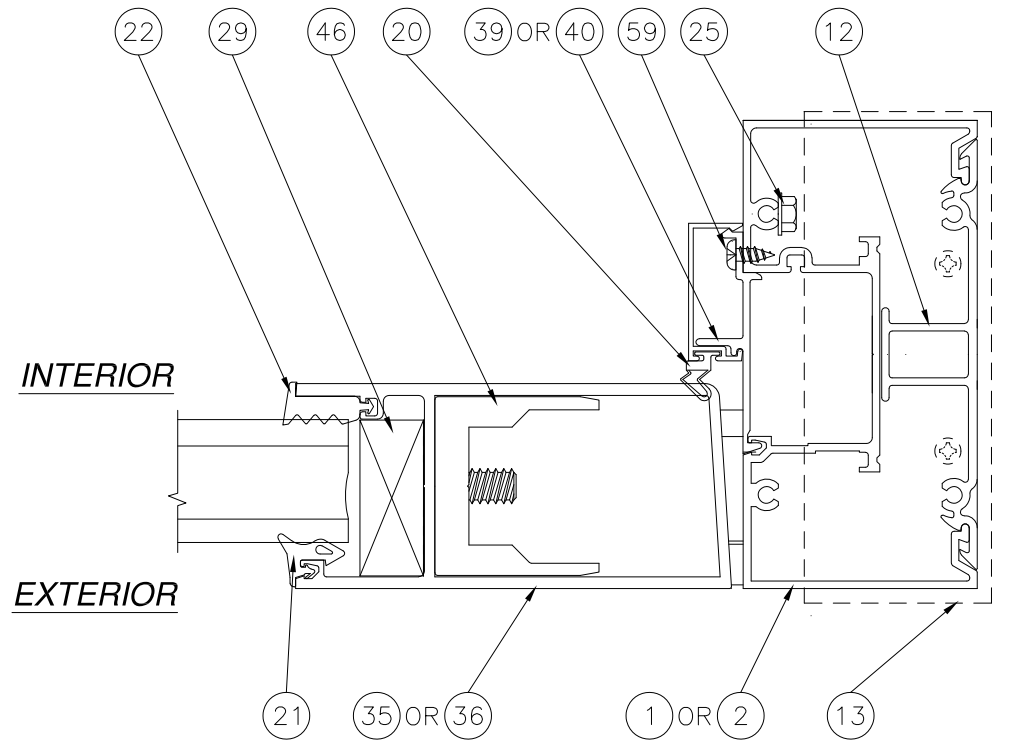


MULLION ASSEMBLY PROPERTIES  
 TOTAL I<sub>x</sub> (IN TERMS OF ALUMINUM): 16.754 in<sup>4</sup>  
 S<sub>x</sub> ALUMINUM: 2.115 in<sup>3</sup>  
 S<sub>x</sub> STEEL: 4.889 in<sup>3</sup>

(C) **DOUBLE DOOR**



(D) **TRANSOM JAMB**



(F) **LOCK STILE TO JAMB**

NOTE: FOR ANCHORING TO SUBSTRATE SEE SHEETS 7 THRU 10.

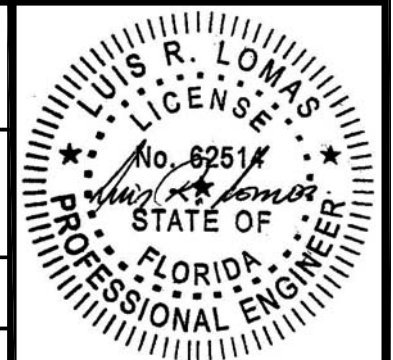
SIGNED: 03/24/2023

US ALUMINUM  
 9050 SOLON RD.  
 WAXAHACHIE, TX 75165

SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM NON-IMPACT  
 CROSS SECTIONS

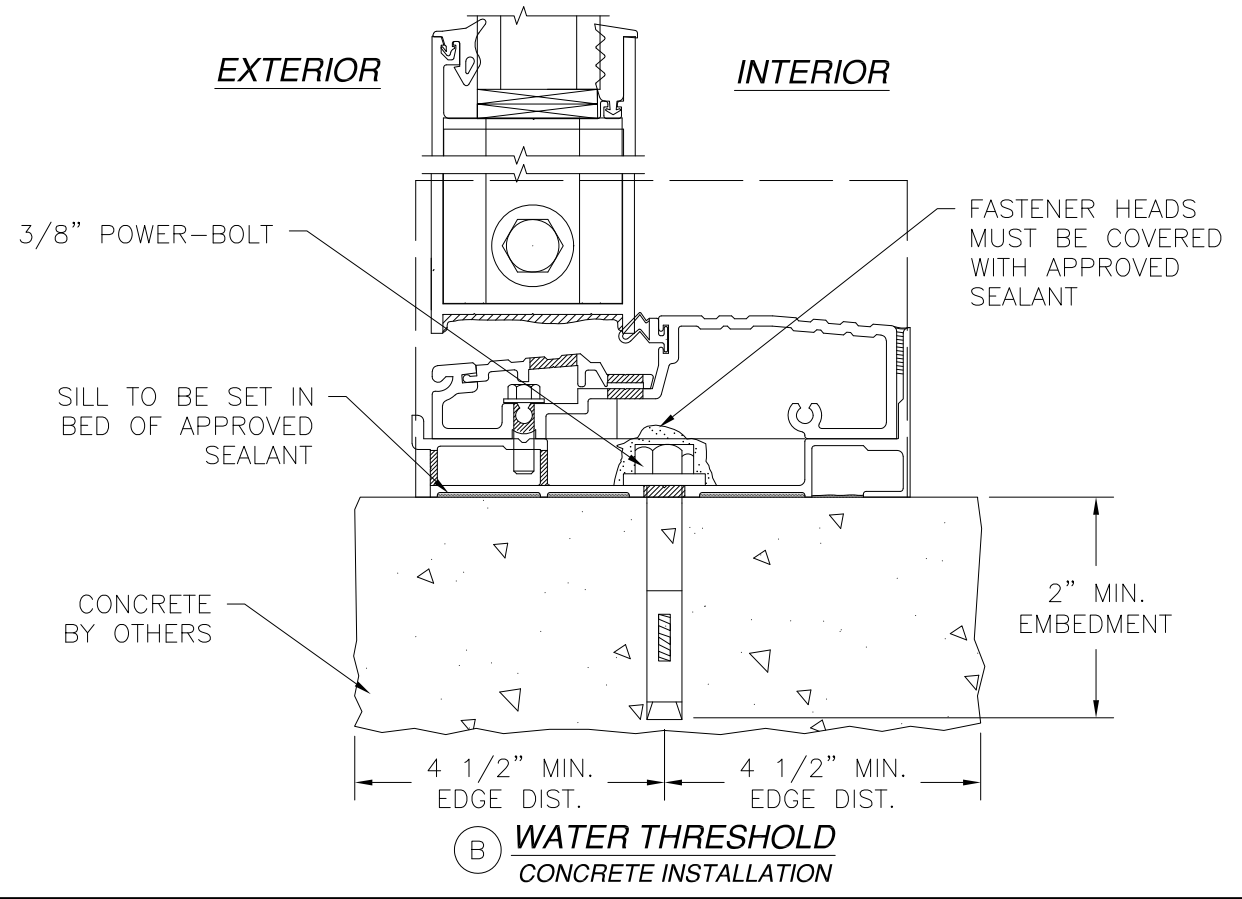
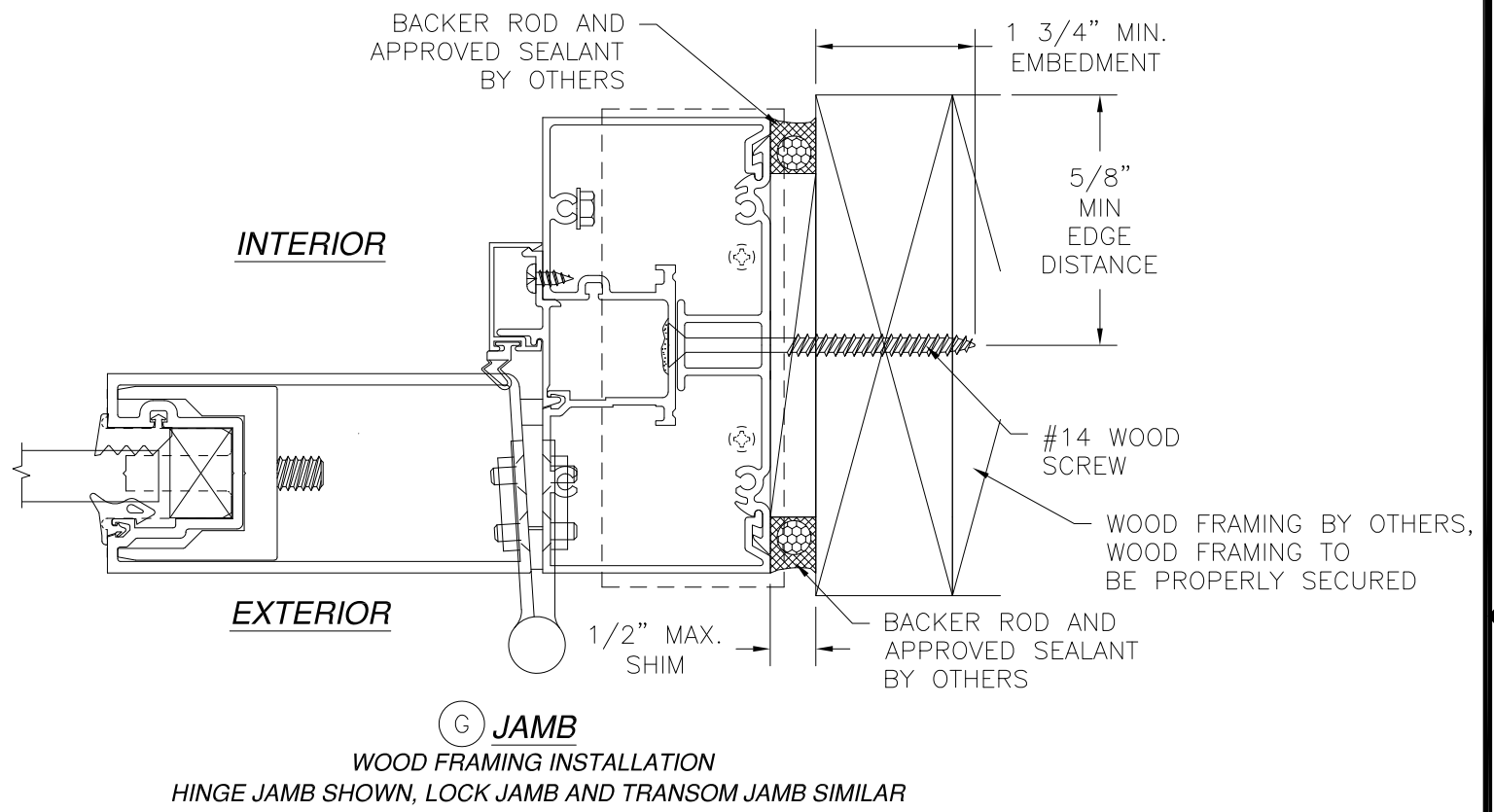
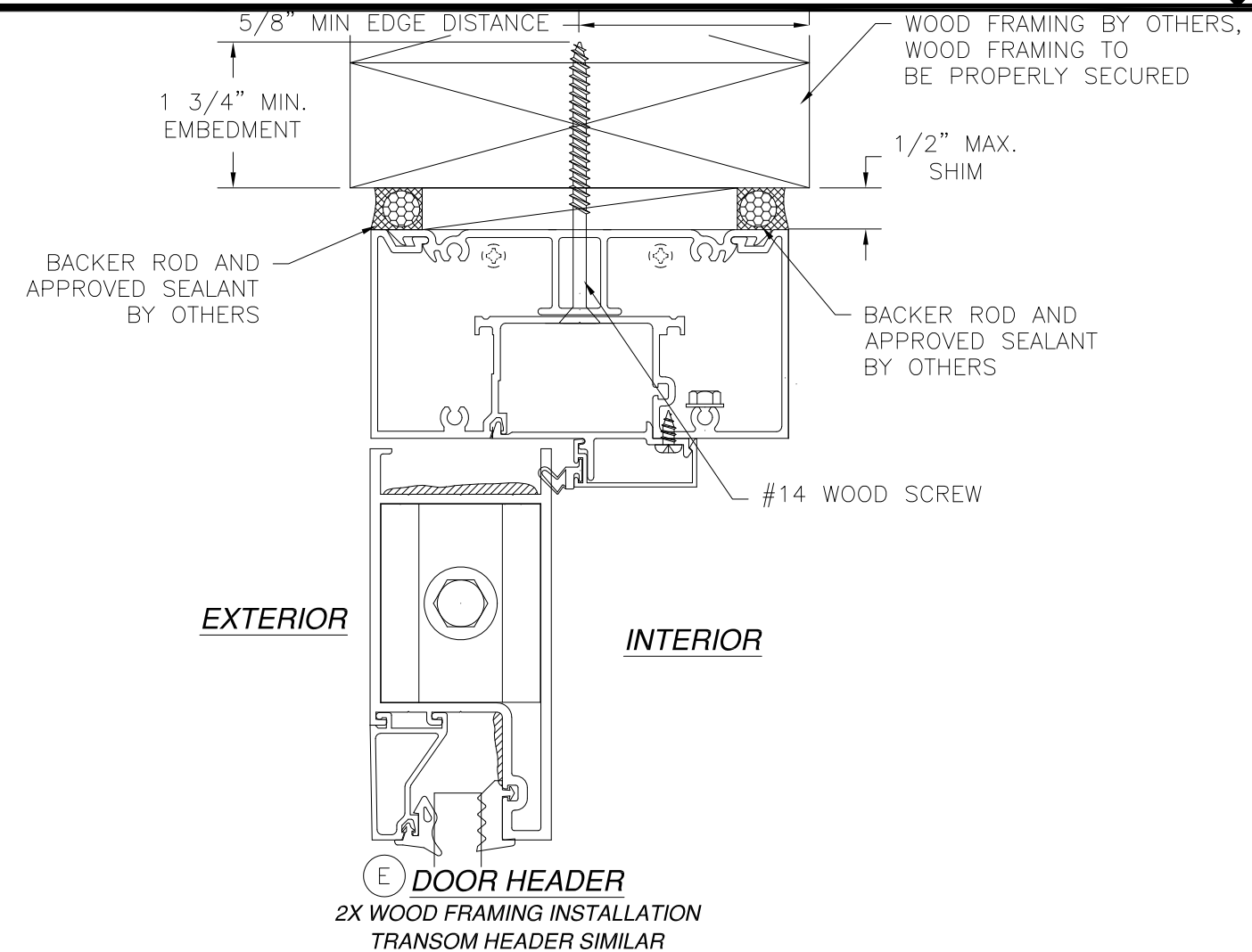
DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 7 OF 15

L. ROBERTO LOMAS P.E.  
 400 S. PALM AVE, INDIALANTIC, FL 32903  
 434-688-0609 rllomas@rlomaspe.com



Luis R. Lomas P.E.  
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



**NOTES:**  
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.  
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/24/2023

US ALUMINUM  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

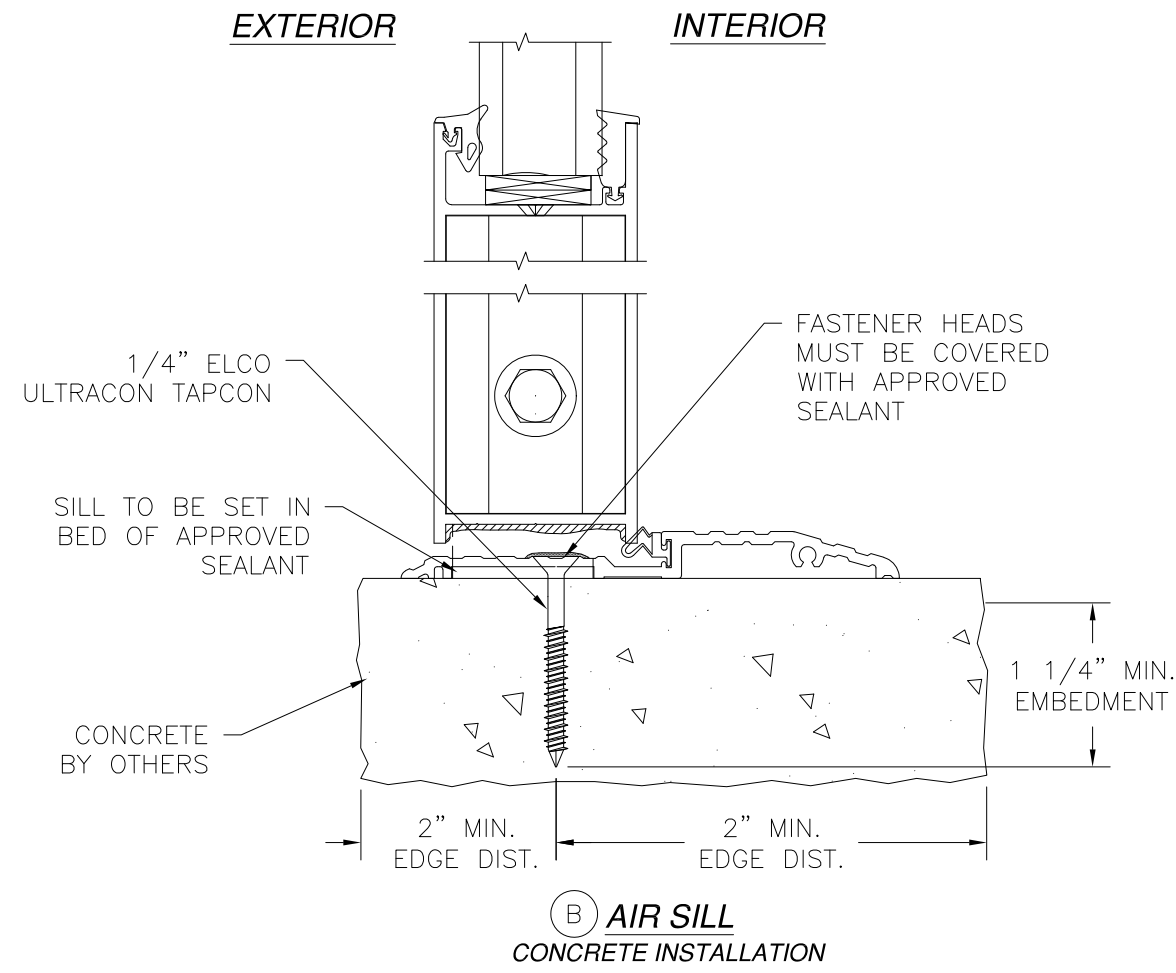
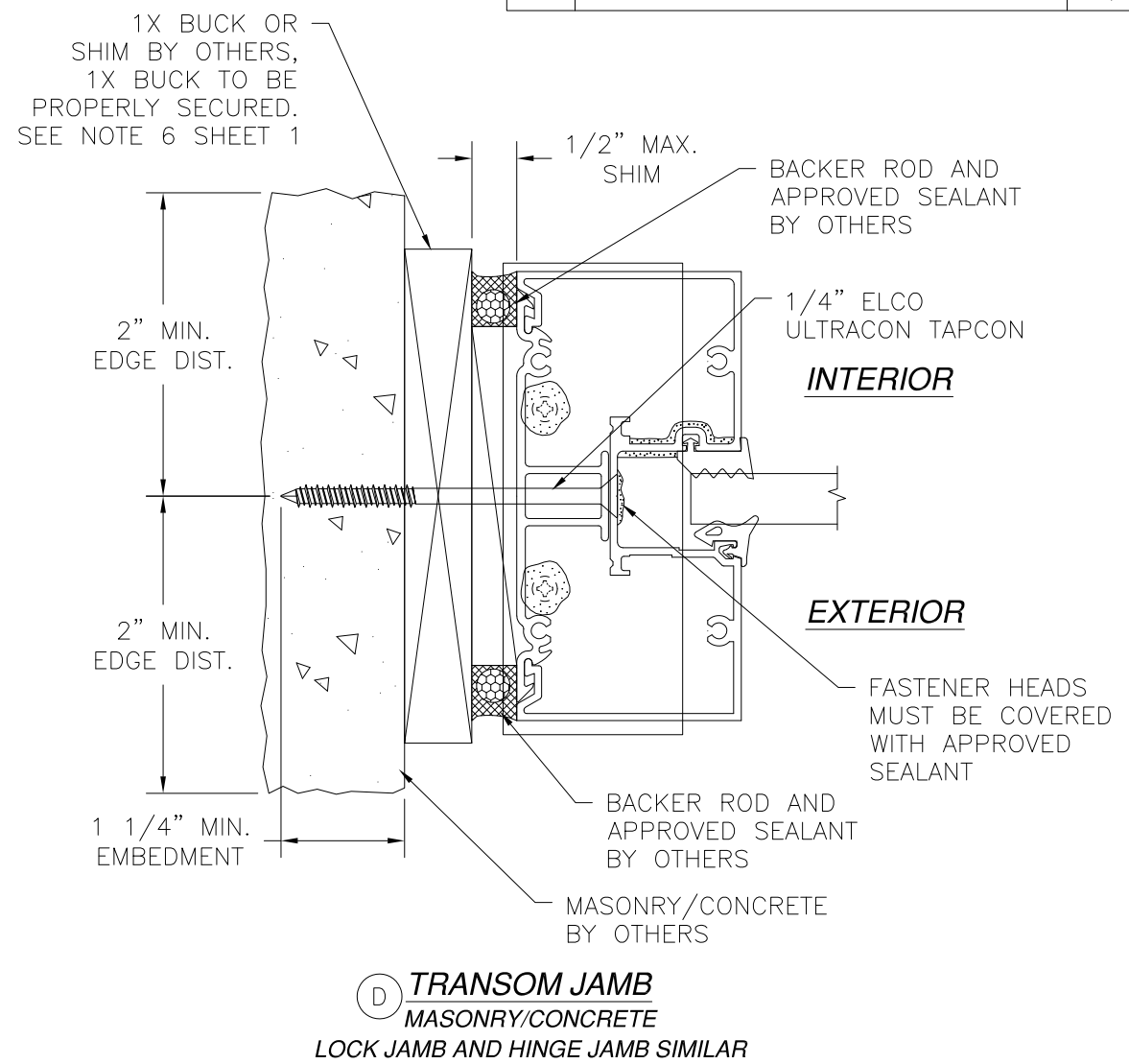
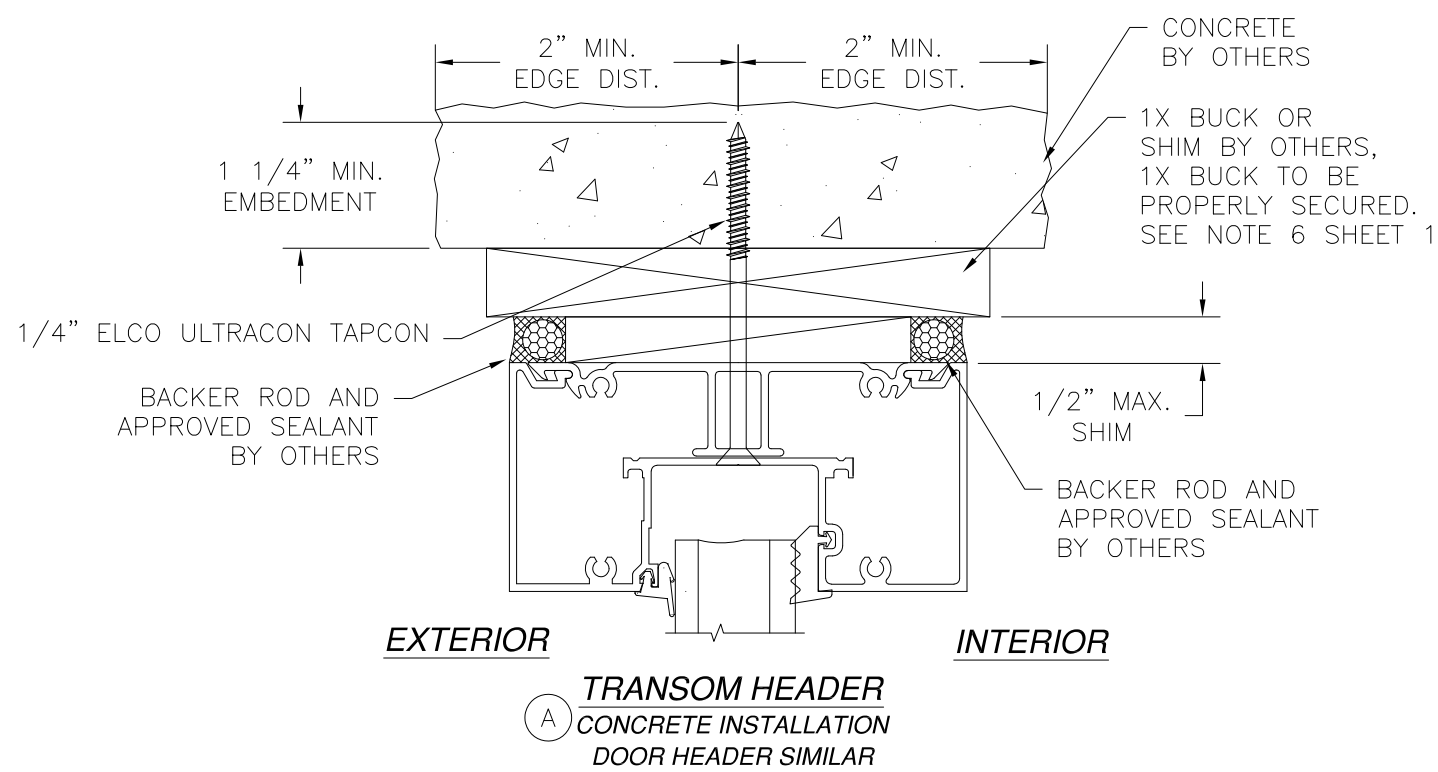
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
INSTALLATION DETAILS

DRAWN: AP	DWG. NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 8 OF 15

L. ROBERTO LOMAS P.E.  
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Luis R. Lomas P.E.  
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.

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SIGNED: 03/24/2023

US ALUMINUM  
 9050 SOLON RD.  
 WAXAHACHIE, TX 75165

SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM NON-IMPACT  
 INSTALLATION DETAILS

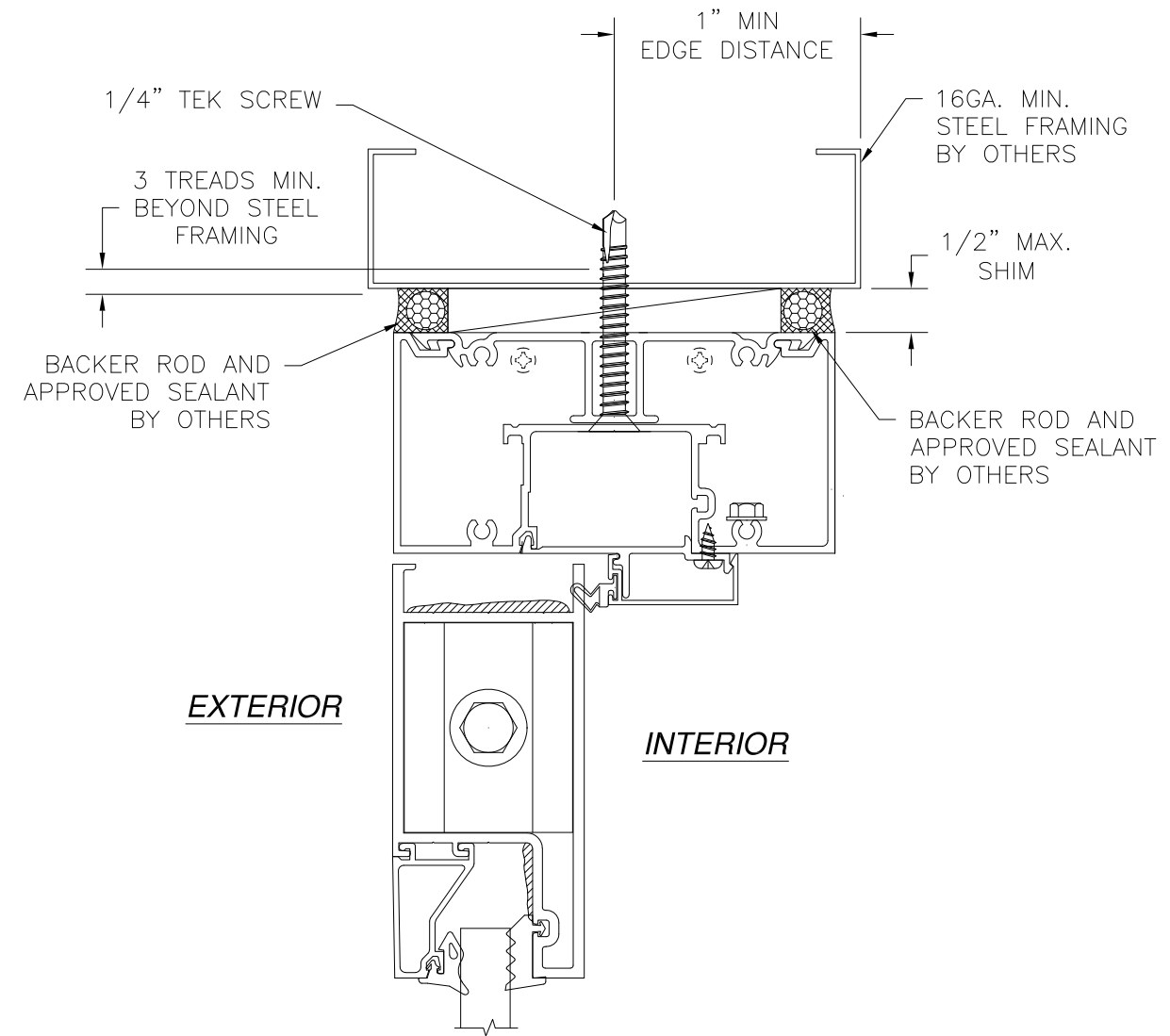
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SCALE NTS	DATE 06/12/12	SHEET 9 OF 15

L. ROBERTO LOMAS P.E.  
 400 S. PALM AVE, INDIALANTIC, FL 32903  
 434-688-0609 rllomas@rlomaspe.com

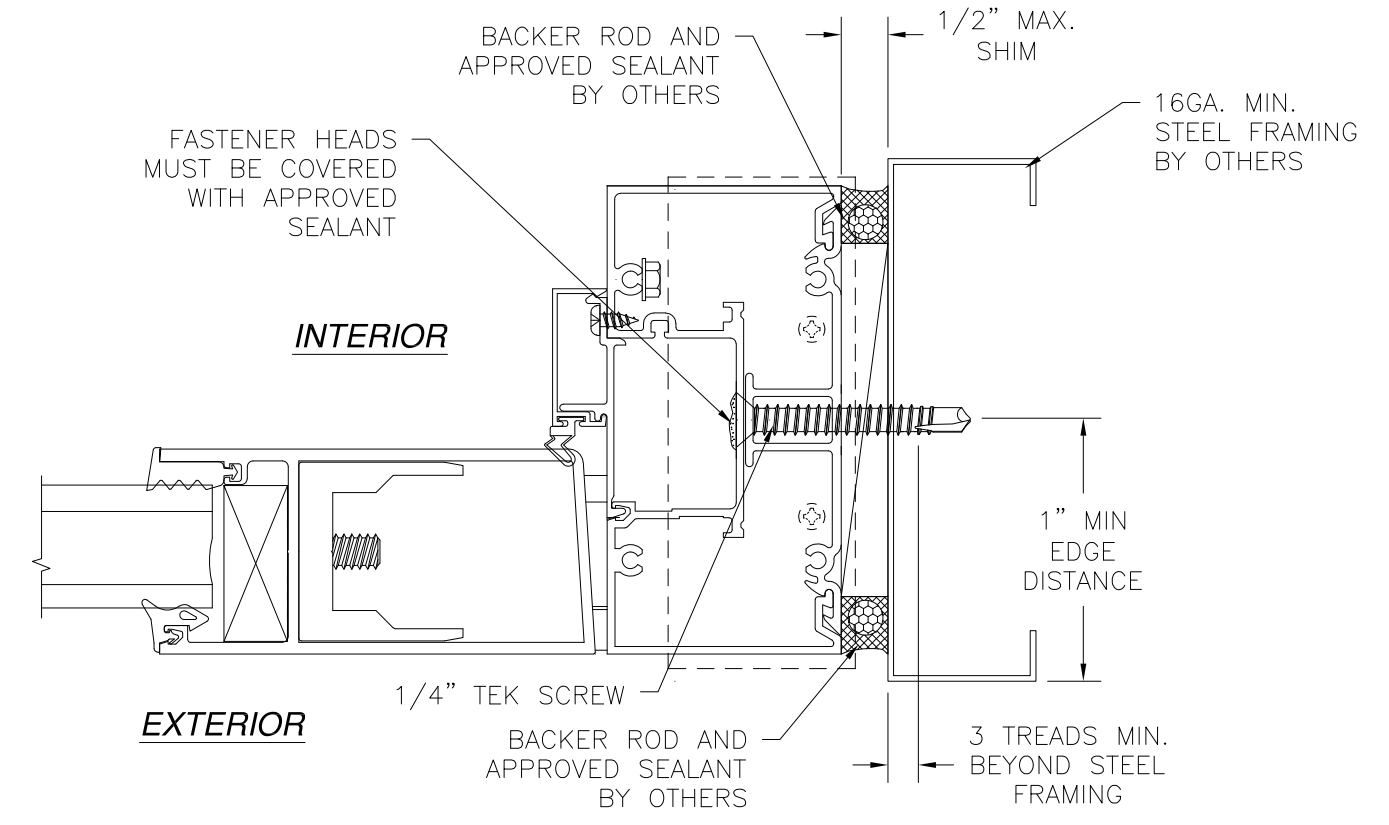


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 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



**(E) DOOR HEADER**  
 STEEL FRAMING INSTALLATION  
 TRANSOM HEADER SIMILAR

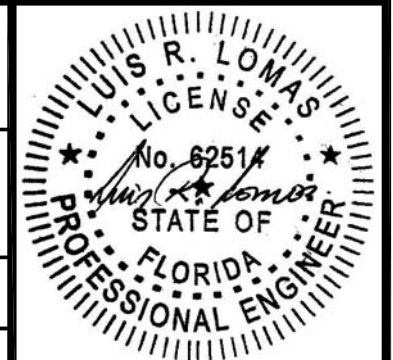


**(G) JAMB**  
 STEEL FRAMING INSTALLATION  
 TRANSOM JAMB AND HINGE JAMB SIMILAR

NOTES:  
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.  
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

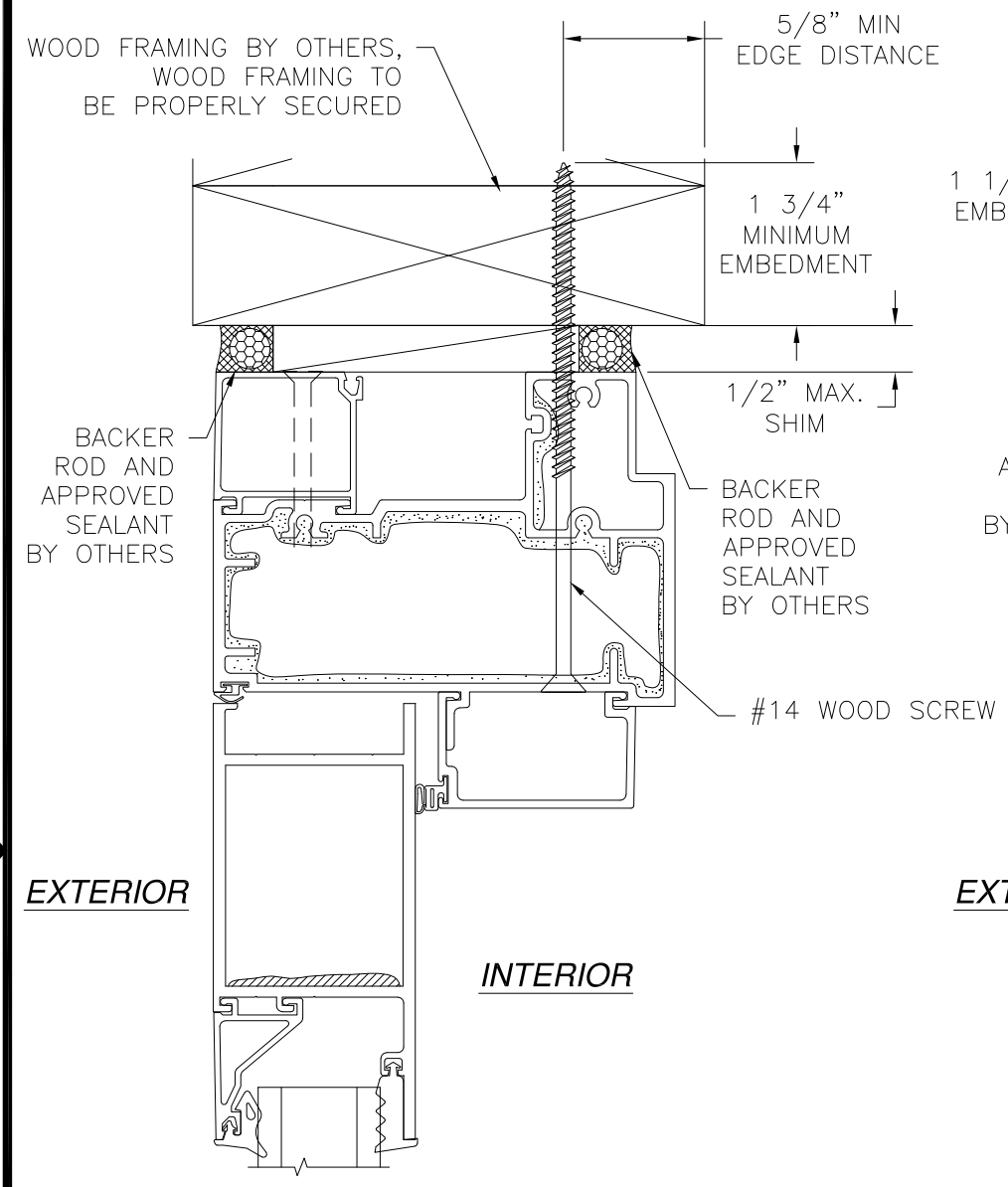
SIGNED: 03/24/2023

<b>US ALUMINUM</b> 9050 SOLON RD. WAXAHACHIE, TX 75165		
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM NON-IMPACT INSTALLATION DETAILS		
DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 10 OF 15
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

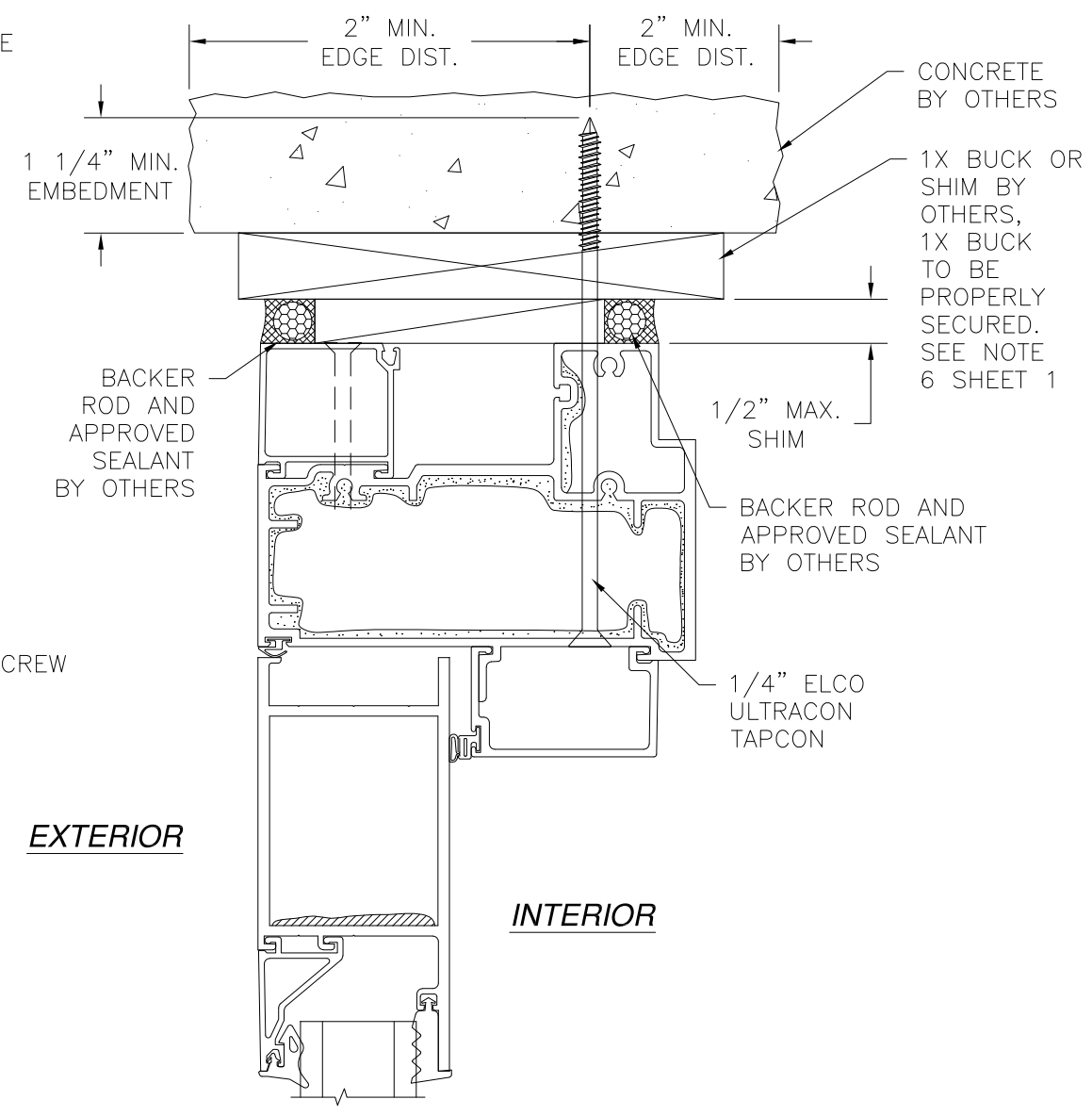


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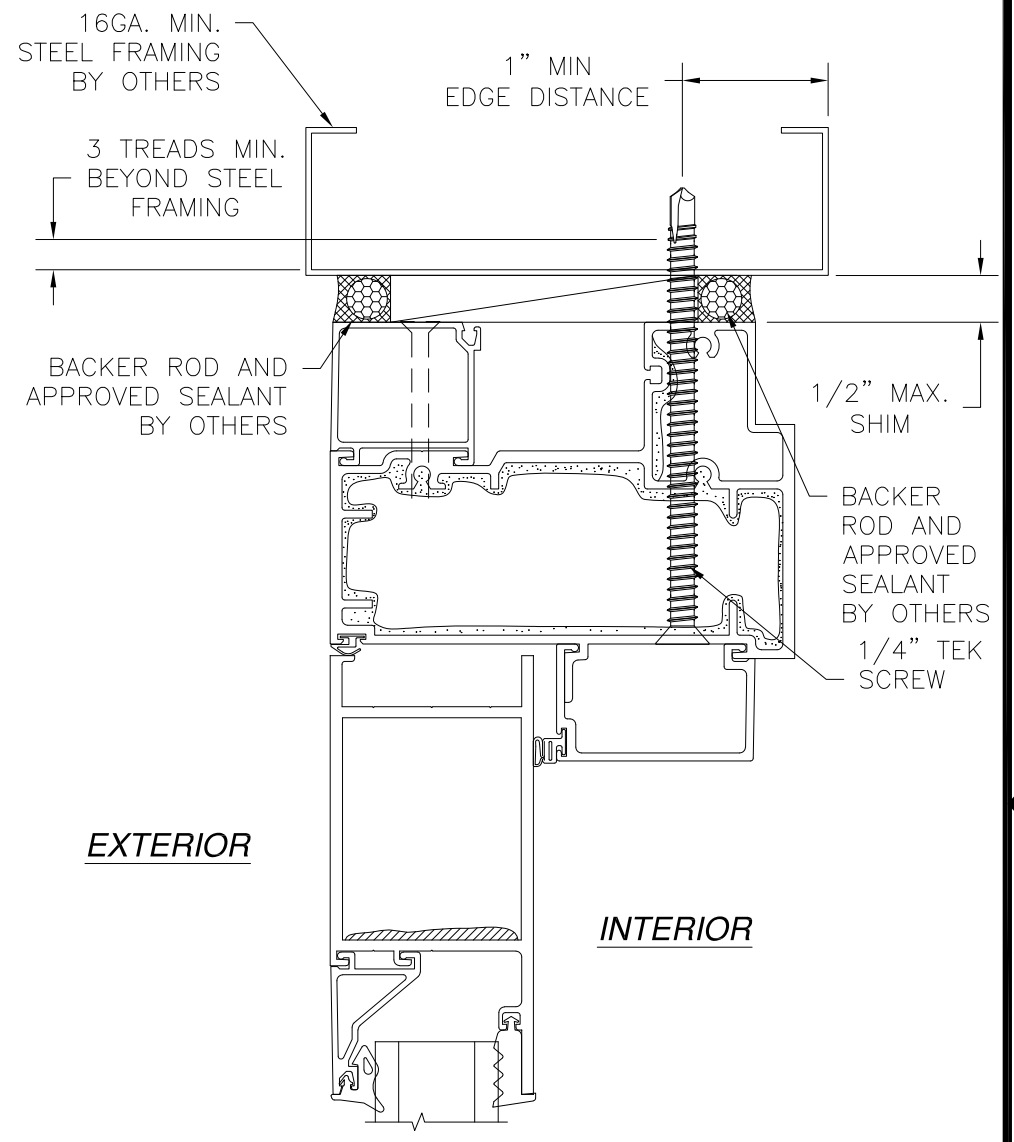
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



**(E) OPTIONAL DOOR HEADER**  
2X INSTALLATION



**(E) OPTIONAL DOOR HEADER**  
CONCRETE INSTALLATION



**(E) OPTIONAL DOOR HEADER**  
STEEL FRAMING INSTALLATION

**NOTES:**  
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SIGNED: 03/24/2023

**US ALUMINUM**  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

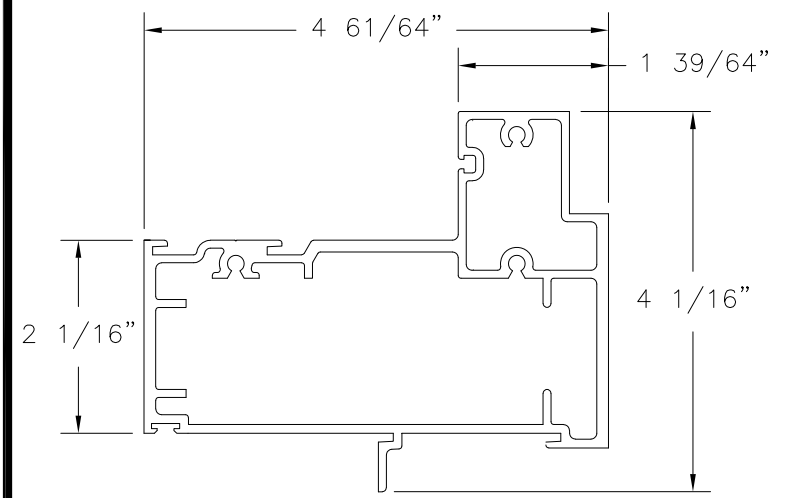
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
INSTALLATION DETAILS

DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 11 OF 15

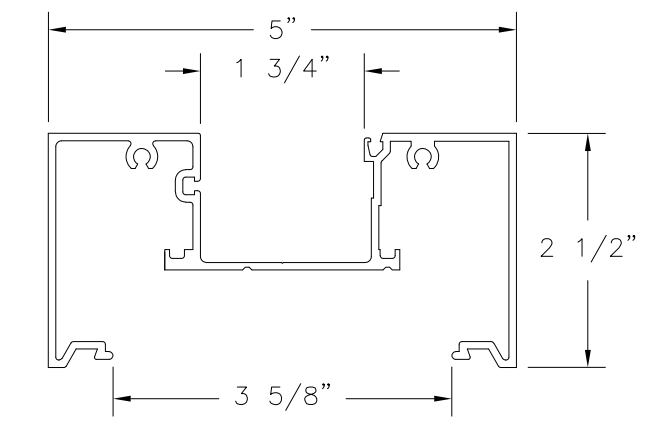
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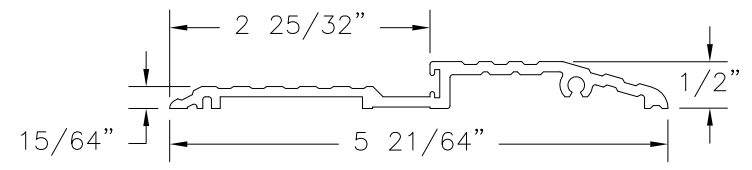
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REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



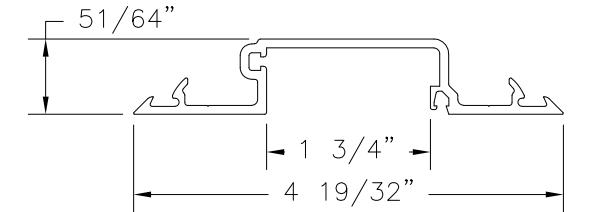
④ **HORIZONTAL MULL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



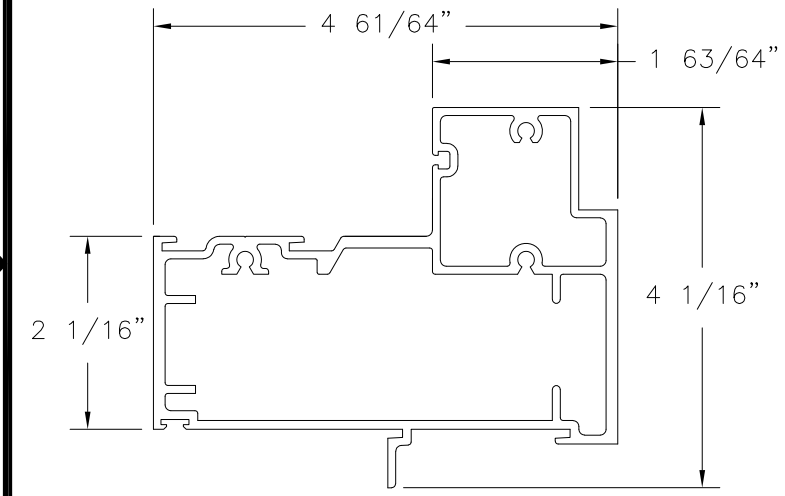
② **MAIN FRAME - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



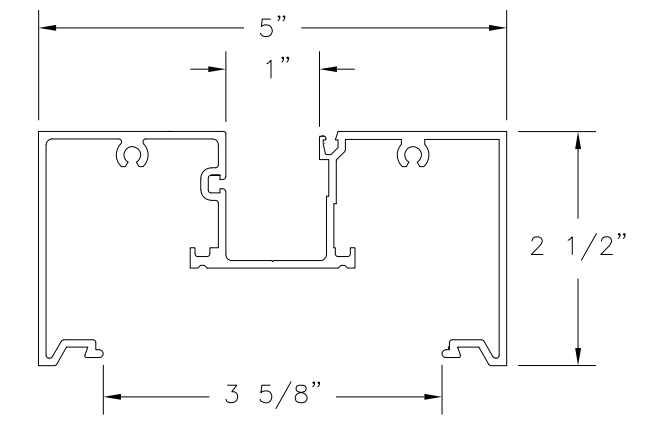
⑦ **AIR SILL**  
EXTRUDED ALUMINUM 6063-T5 .109" THICK



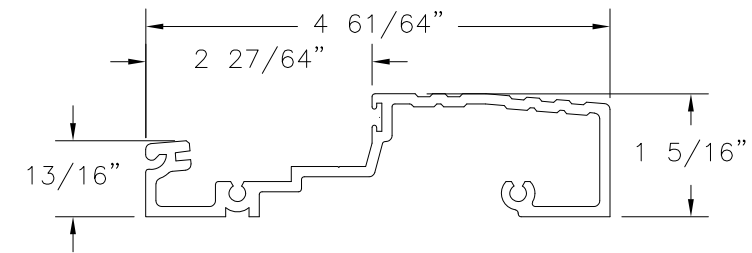
⑨ **FILLER VERTICAL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .095" THICK



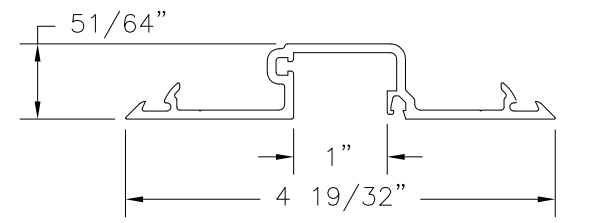
③ **HORIZONTAL MULL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



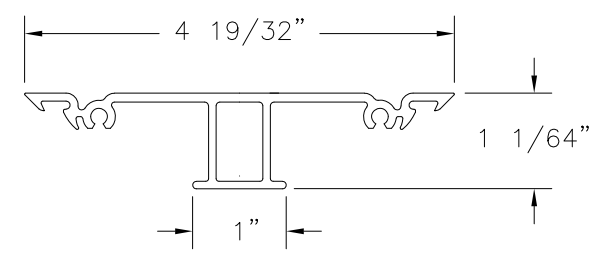
① **MAIN FRAME - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



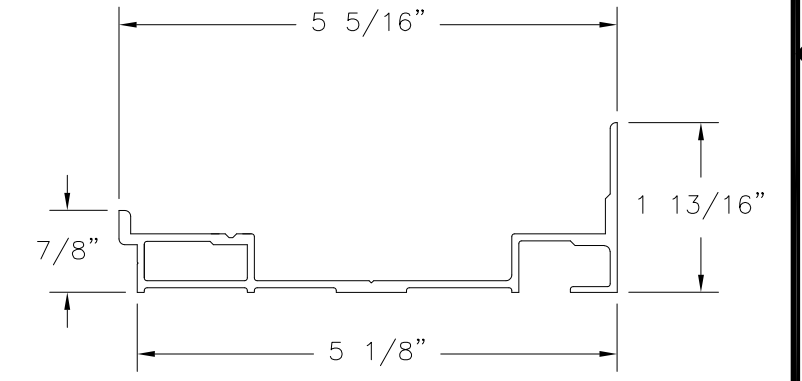
⑥ **WATER THRESHOLD**  
EXTRUDED ALUMINUM 6063-T5 .109" THICK



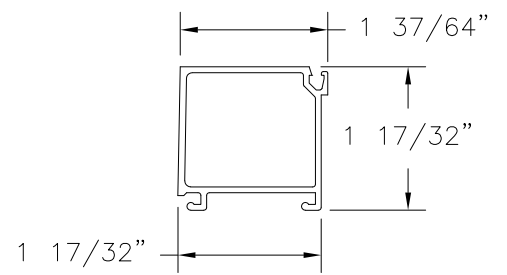
⑧ **FILLER VERTICAL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .095" THICK



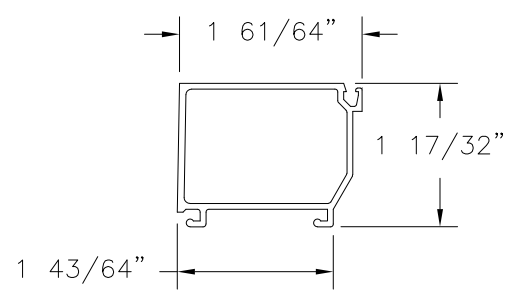
⑫ **FILLER JAMB/HEAD**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



⑤ **SUB SILL**  
EXTRUDED ALUMINUM 6063-T5 .075" THICK



⑪ **STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



⑩ **STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK

SIGNED: 03/24/2023

**US ALUMINUM**  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

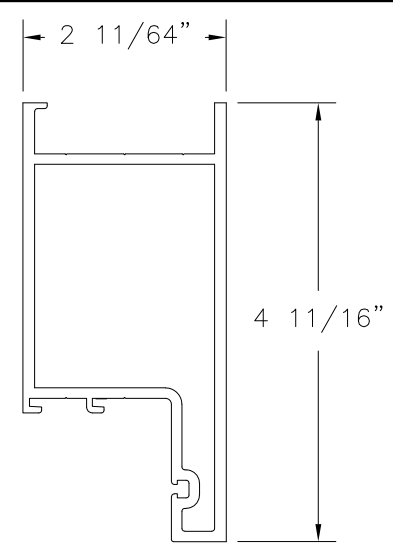
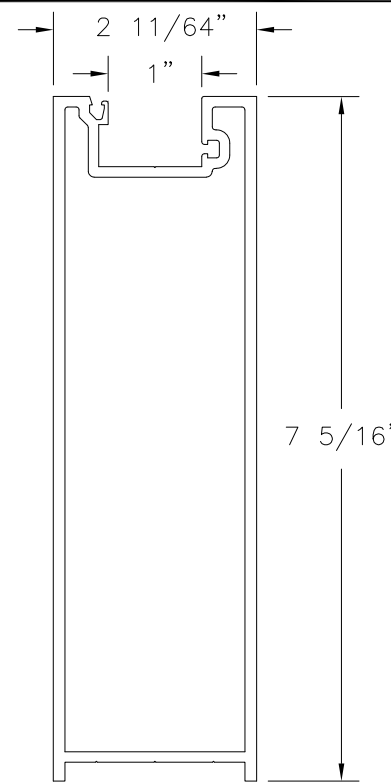
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
COMPONENTS

DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 12 OF 15

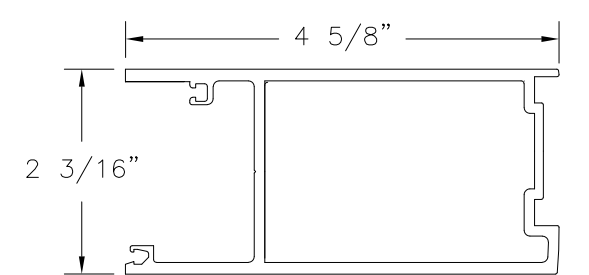
L. ROBERTO LOMAS P.E.  
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Luis R. Lomas P.E.  
FL No.: 62514

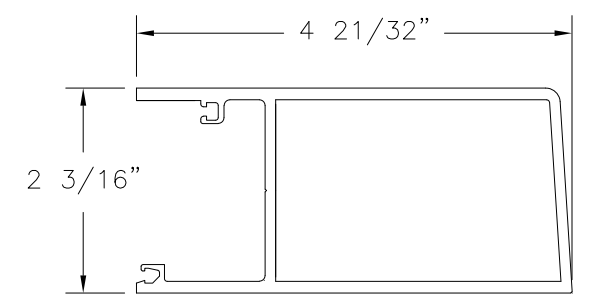
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



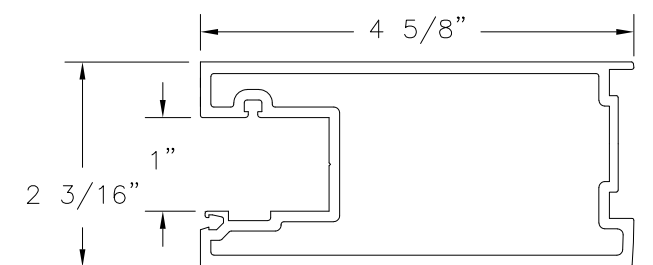
⑭ **TOP RAIL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



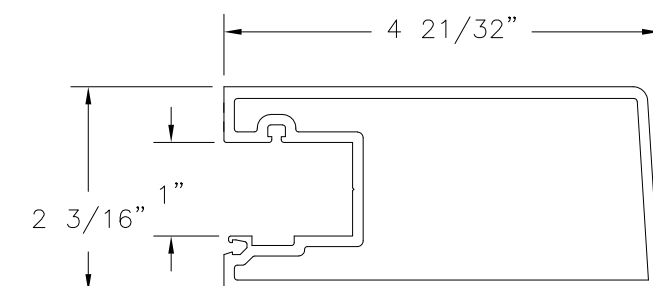
④④ **LOCK STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



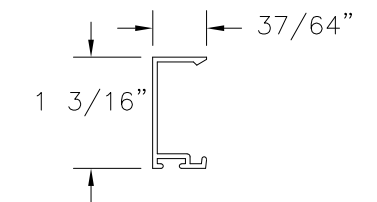
③⑥ **PLAIN STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



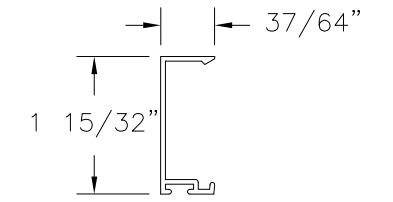
④③ **LOCK STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



③⑤ **PLAIN STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK

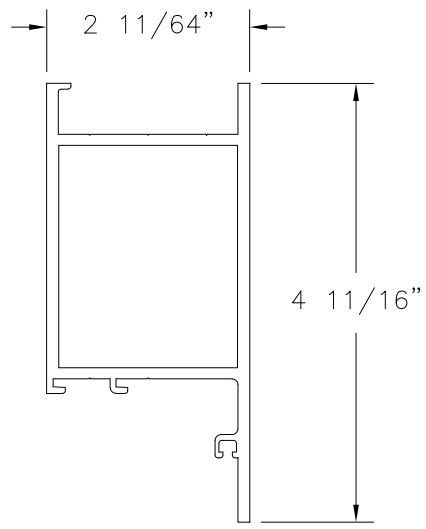


③⑦ **DOOR STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .050" THICK

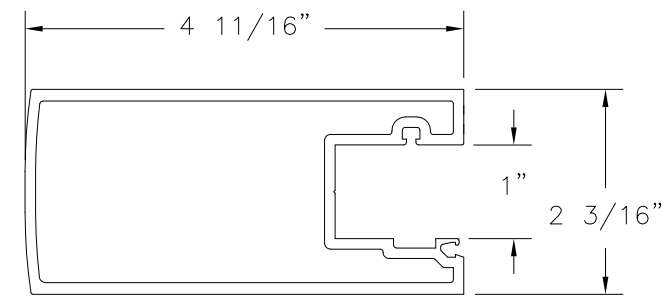


③⑧ **DOOR STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .050" THICK

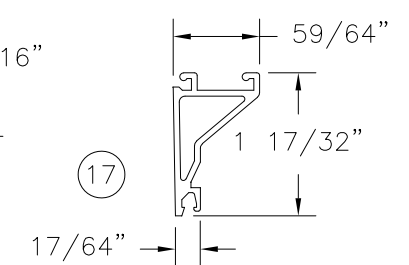
⑱ **BOTTOM RAIL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



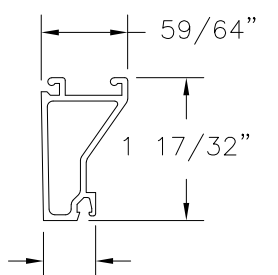
⑮ **TOP RAIL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



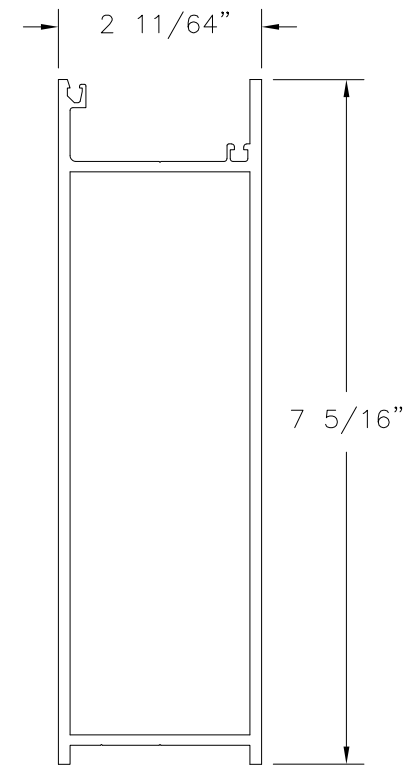
④① **LOCK STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



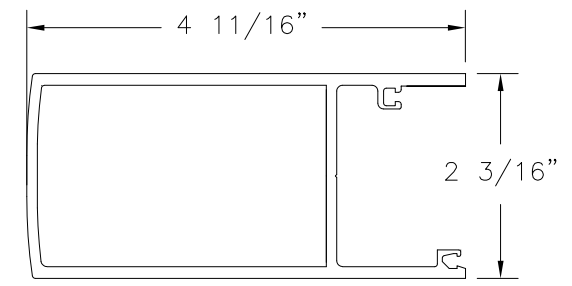
⑰ **DOOR GLASS STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



⑮ **DOOR GLASS STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



⑲ **BOTTOM RAIL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



④② **LOCK STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK

SIGNED: 03/24/2023

US ALUMINUM  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

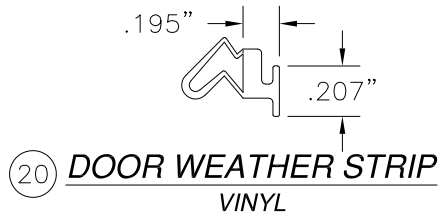
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
COMPONENTS

DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 13 OF 15

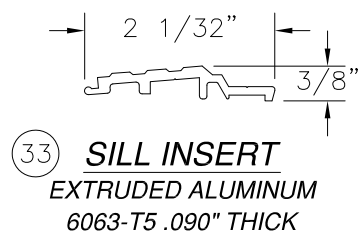
L. ROBERTO LOMAS P.E.  
400 S. PALM AVE, INDIALANTIC, FL 32903  
434-688-0609 rllomas@rlomaspe.com



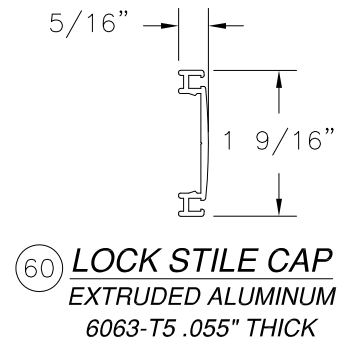
Luis R. Lomas P.E.  
FL No.: 62514



20 DOOR WEATHER STRIP  
VINYL

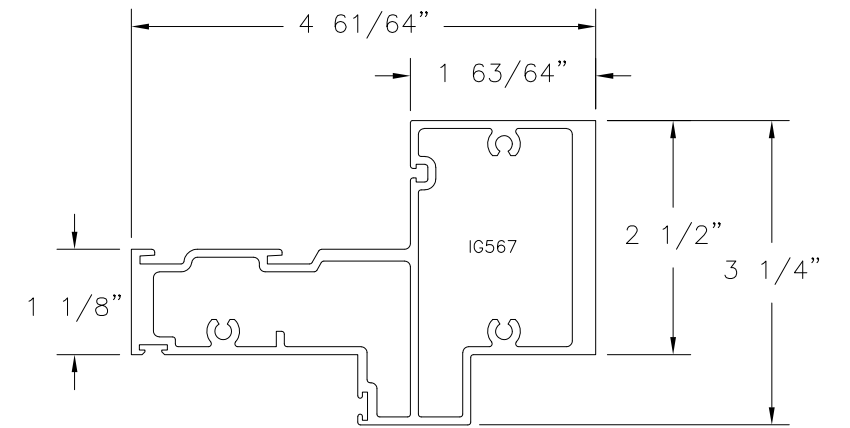


33 SILL INSERT  
EXTRUDED ALUMINUM  
6063-T5 .090" THICK

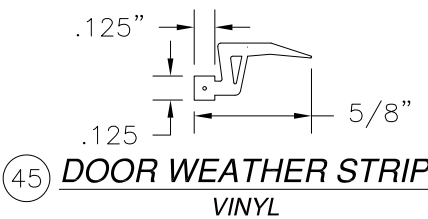


60 LOCK STILE CAP  
EXTRUDED ALUMINUM  
6063-T5 .055" THICK

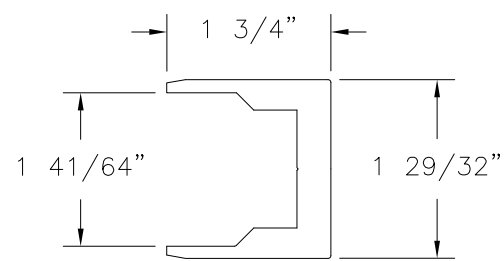
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



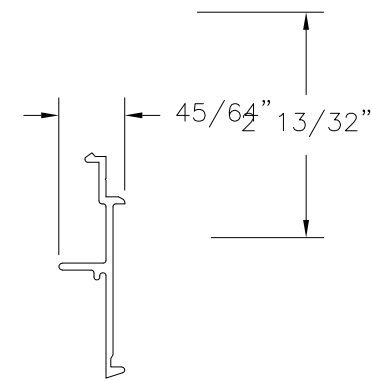
62 HORIZONTAL MULL - 9/16" GLASS  
EXTRUDED ALUMINUM 6063-T5 .085" THICK



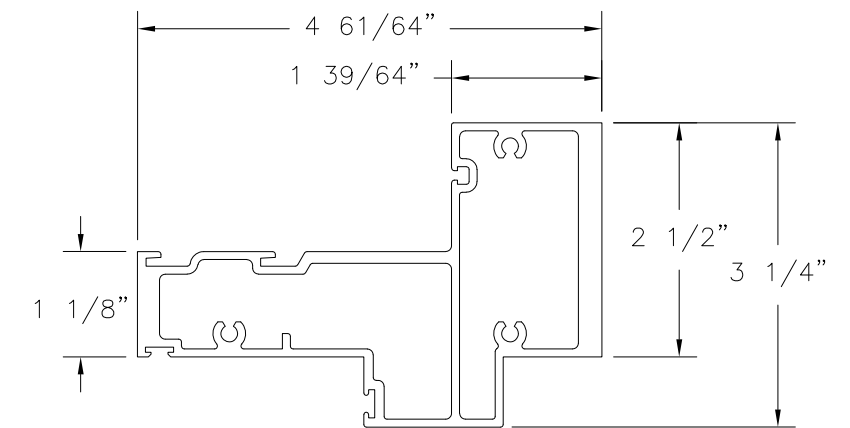
45 DOOR WEATHER STRIP  
VINYL



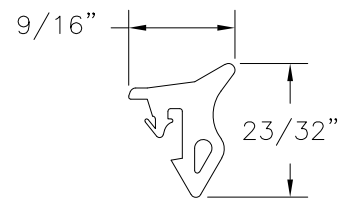
46 SHEAR CHANNEL  
EXTRUDED ALUMINUM  
6063-T5 .363" THICK



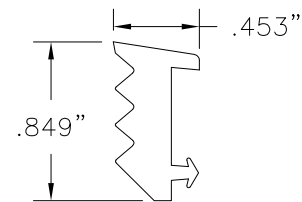
40 STOP RETAINER - 1 5/16" GLASS  
EXTRUDED ALUMINUM 6063-T5 .075" THICK



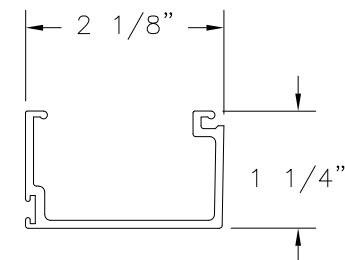
63 HORIZONTAL MULL - 1 5/16" GLASS  
EXTRUDED ALUMINUM 6063-T5 .085" THICK



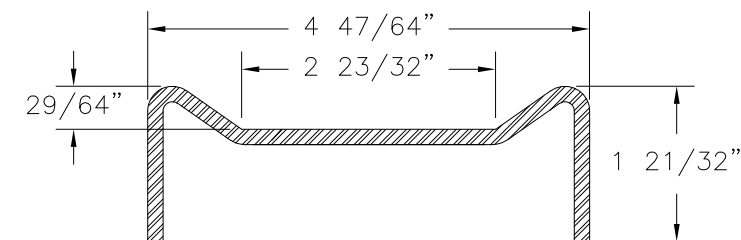
21 EXTERIOR GASKET  
EDPM SPONGE



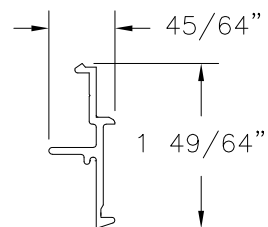
22 INTERIOR GASKET  
EDPM SPONGE



61 DOOR STOP  
EXTRUDED ALUMINUM 6063-T5 .085" THICK



28 STEEL STIFFENER HEAVY  
FORMED 8GA. A36 MILD STEEL



39 STOP RETAINER - 9/16" GLASS  
EXTRUDED ALUMINUM 6063-T5 .075" THICK

SIGNED: 03/24/2023

US ALUMINUM  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
COMPONENTS

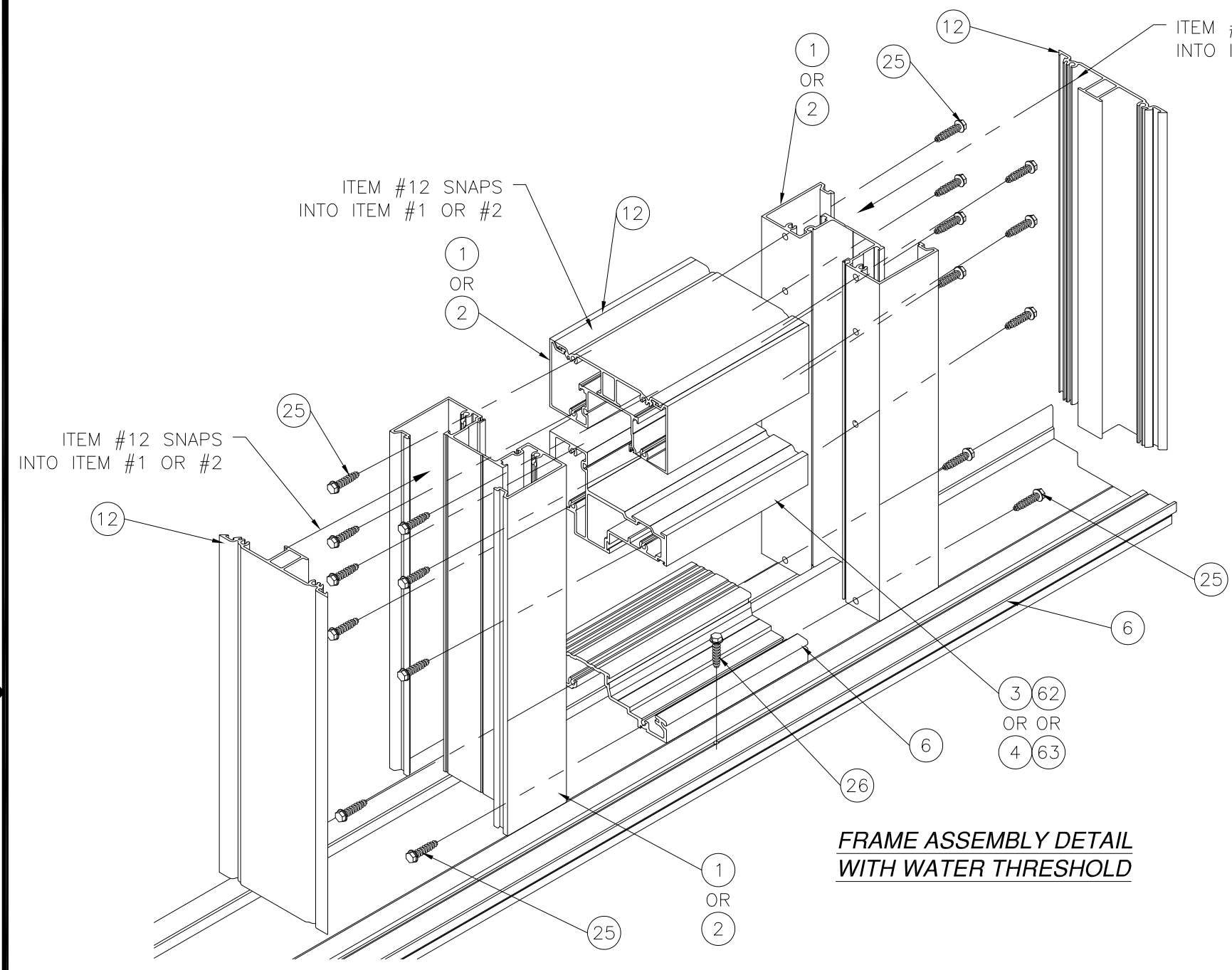
DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 14 OF 15

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400 S. PALM AVE, INDIALANTIC, FL 32903  
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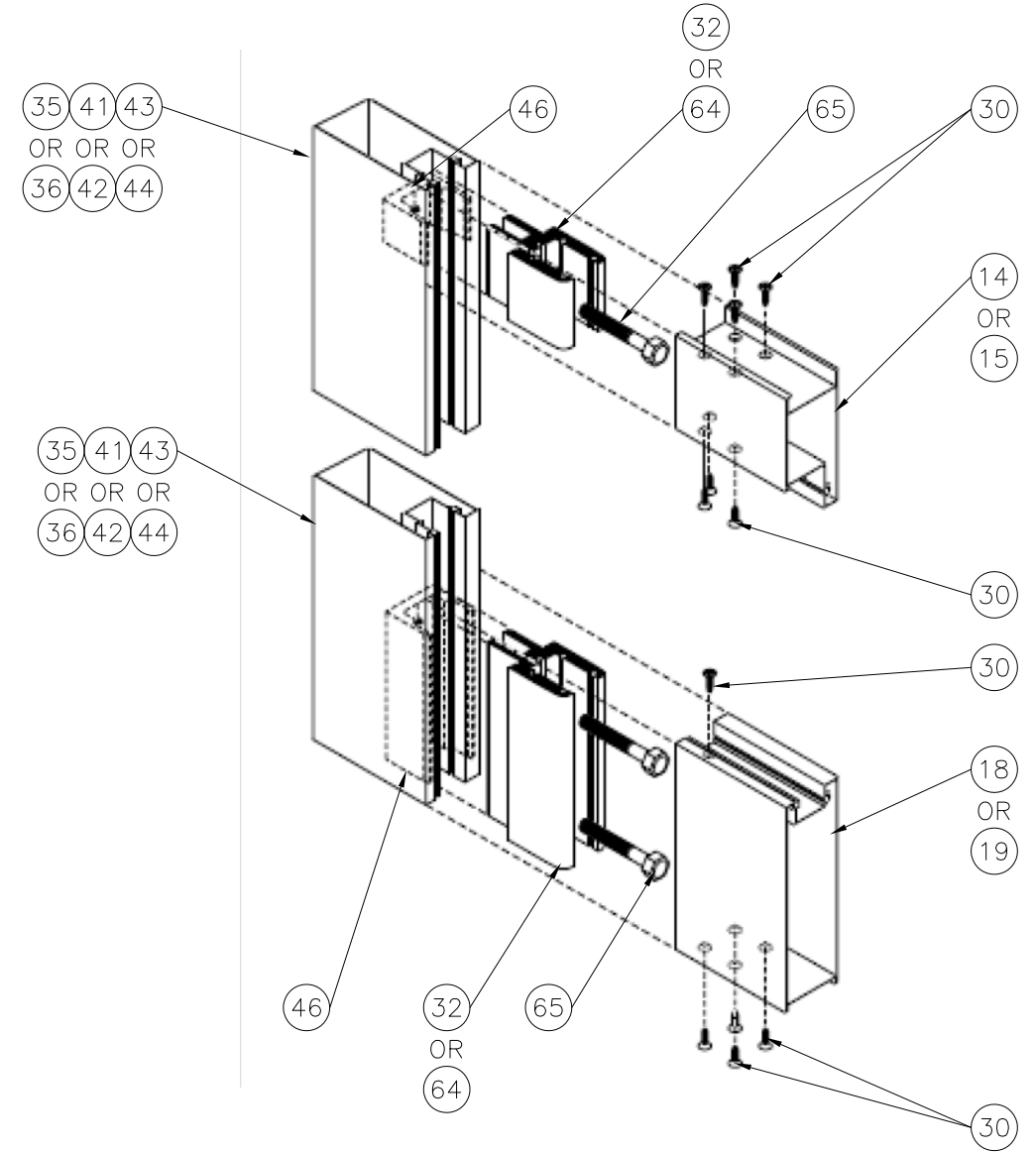


Luis R. Lomas P.E.  
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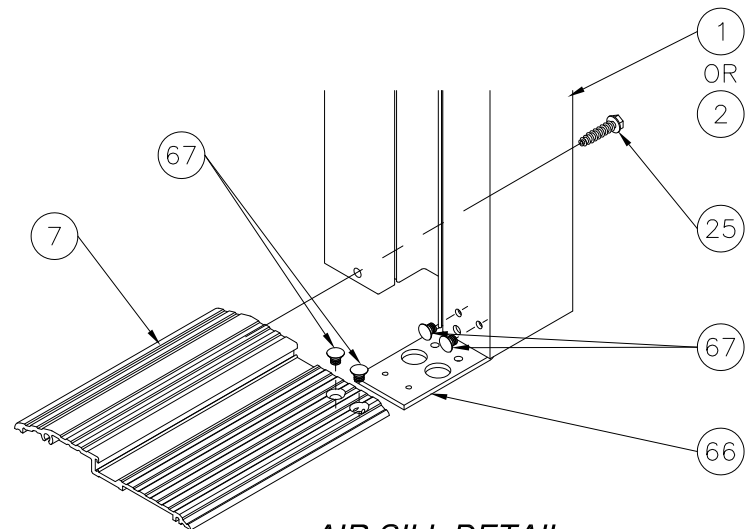
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE MANUFACTURER'S NAME	03/24/2023	R.L.



**FRAME ASSEMBLY DETAIL  
WITH WATER THRESHOLD**



**PANEL ASSEMBLY DETAIL**



**AIR SILL DETAIL**

SIGNED: 03/24/2023

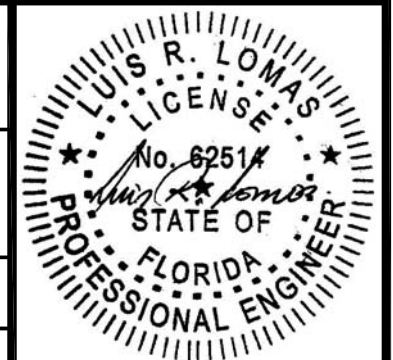
**US ALUMINUM**  
9050 SOLON RD.  
WAXAHACHIE, TX 75165

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SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM NON-IMPACT  
PANEL AND FRAME ASSEMBLY DETAILS

DRAWN: AP	DWG NO. 08-01579	REV C
SCALE NTS	DATE 06/12/12	SHEET 15 OF 15

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