

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLAZING DETAILS	07/09/12	R.L.
B	REVISED INSTALLATION DETAILS	04/24/15	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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: ALUMINUM 6063-T5.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 4 FOR DETAILS
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2" MAX.
9. FOR ANCHORING HEAD, JAMBS AND WATER THRESHOLD 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.
10. FOR ANCHORING HEAD, JAMBS AND WATER THRESHOLD INTO CONCRETE USE 3/8" POWER BOLT ANCHOR WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING HEAD, JAMBS AND WATER THRESHOLD 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.
12. FOR ANCHORING AIR THRESHOLD INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. FOR ANCHORING AIR THRESHOLD INTO CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING AIR THRESHOLD 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.
15. ALL FASTENERS TO BE CORROSION RESISTANT.
16. 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 3,192 PSI.

C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

D. METAL STRUCTURE: STEEL 16GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
17. THIS SYSTEM IS FIELD GLAZED AND ASSEMBLED, CONTRACTOR/GLAZIER IS RESPONSIBLE FOR COMPLYING TO THE GLAZING AND ASSEMBLY REQUIREMENTS OF THIS PRODUCT SPECIFICATIONS.

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US ALUMINUM

DIVISION OF C.R. LAURENCE CO., INC.

720 CEL-RIVER RD., ROCK HILL, SC 29730

SERIES BT601/IT600 STORM FRONT OS ALUMINUM

STOREFRONT DOOR SYSTEM – NI

NOTES

DRAWN:

R.L.

DWG NO.

08-01581

REV

B

SCALE

NTS

DATE

05/08/12

SHEET

1 OF 14

SIGNED: 05/08/2015

LUIS R. LOMAS

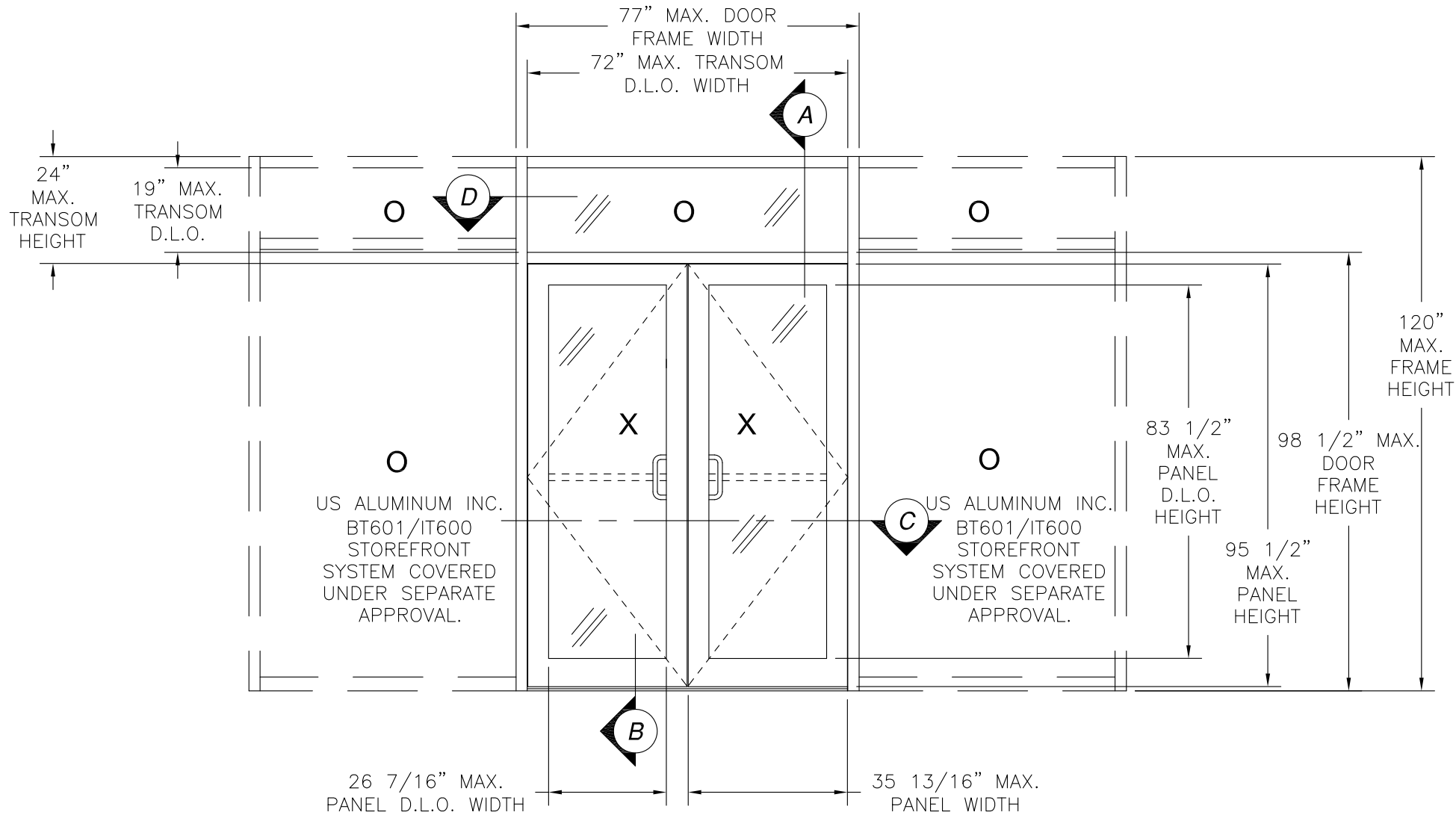
LICENSE

No. 62514

STATE OF

FLORIDA

PROFESSIONAL ENGINEER



SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT
DOUBLE DOOR WITH TRANSOM
EXTERIOR VIEW
FOR RATINGS SEE SHEET 3

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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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720 CEL-RIVER RD., ROCK HILL, SC 29730

SERIES BT601/IT600 STORM FRONT OS ALUMINUM
STOREFRONT DOOR SYSTEM - NI
ELEVATION

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R.L.

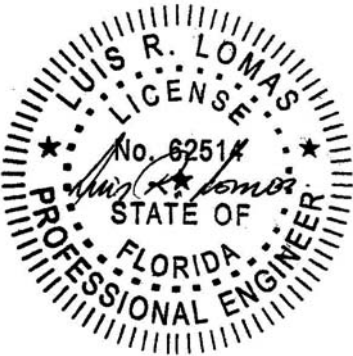
DWG NO.
08-01581

REV
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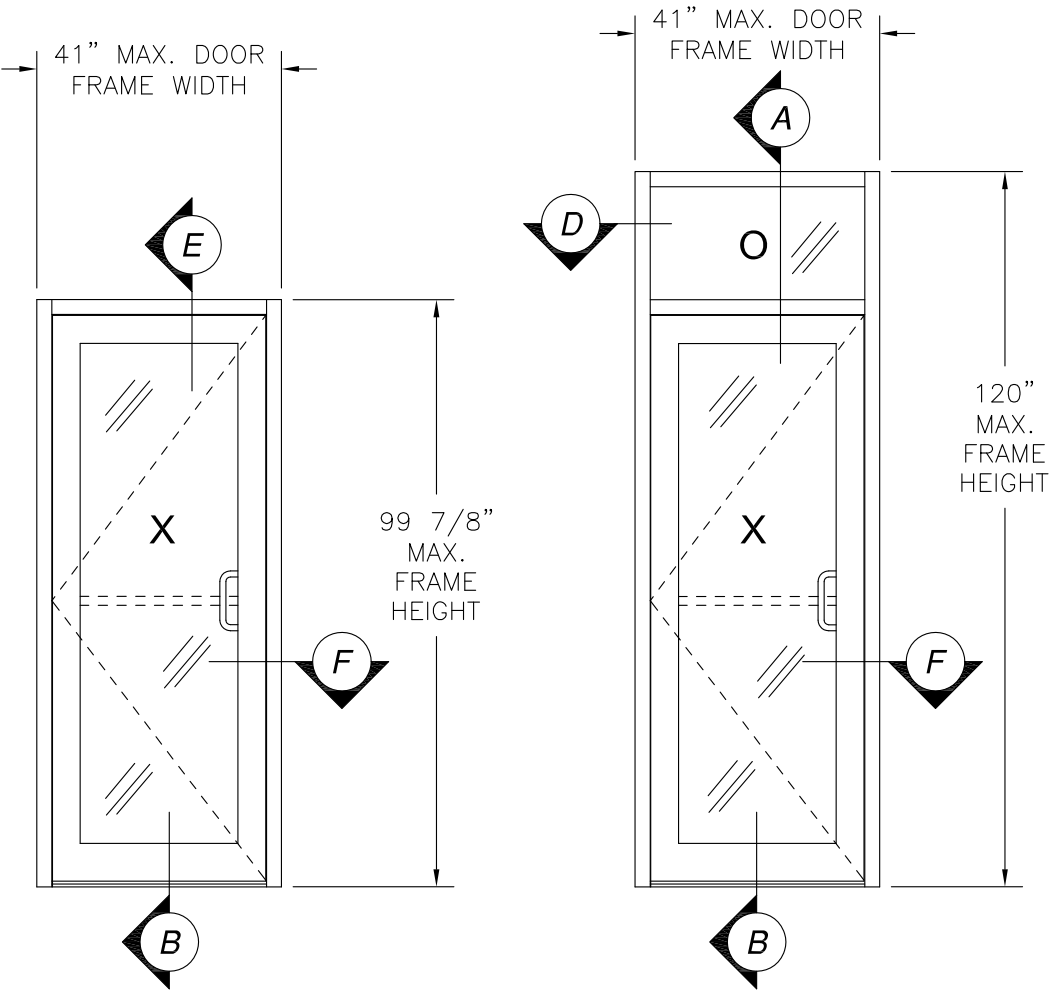
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SHEET 2 OF 14



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SINGLE

SINGLE W/TRANSOM

INSTALLED WITH WATER THRESHOLD
(PARTS #5, #6 AND #33)

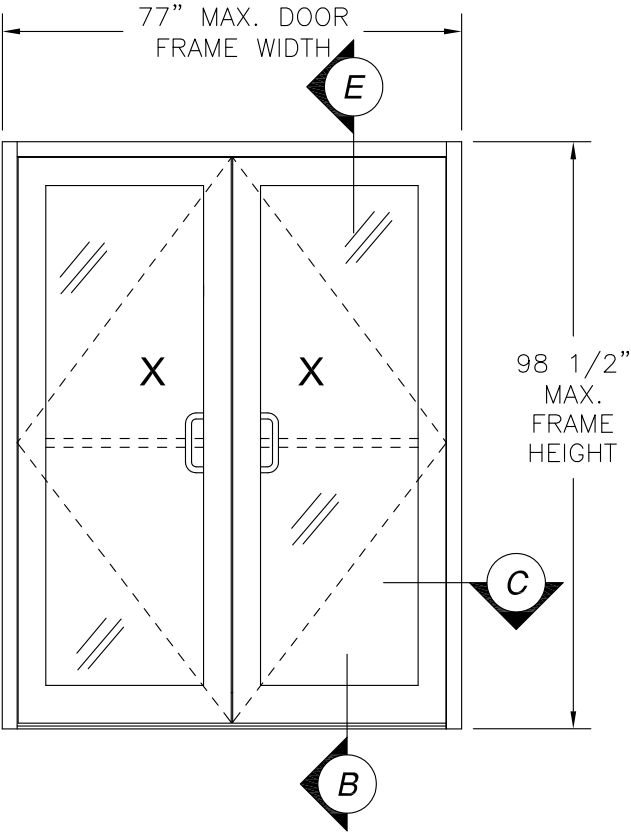
DESIGN PRESSURE RATING	IMPACT RATING
±65PSF	NONE

INSTALLED WITH AIR THRESHOLD (PART #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	80.0	97.5	80.0	92.5	80.0	81.2
84.00	80.0	97.5	80.0	87.1	76.3	76.3
90.00	80.0	96.4	80.0	80.2	70.0	70.0
95.50	80.0	90.0	74.7	74.7	65.0	65.0

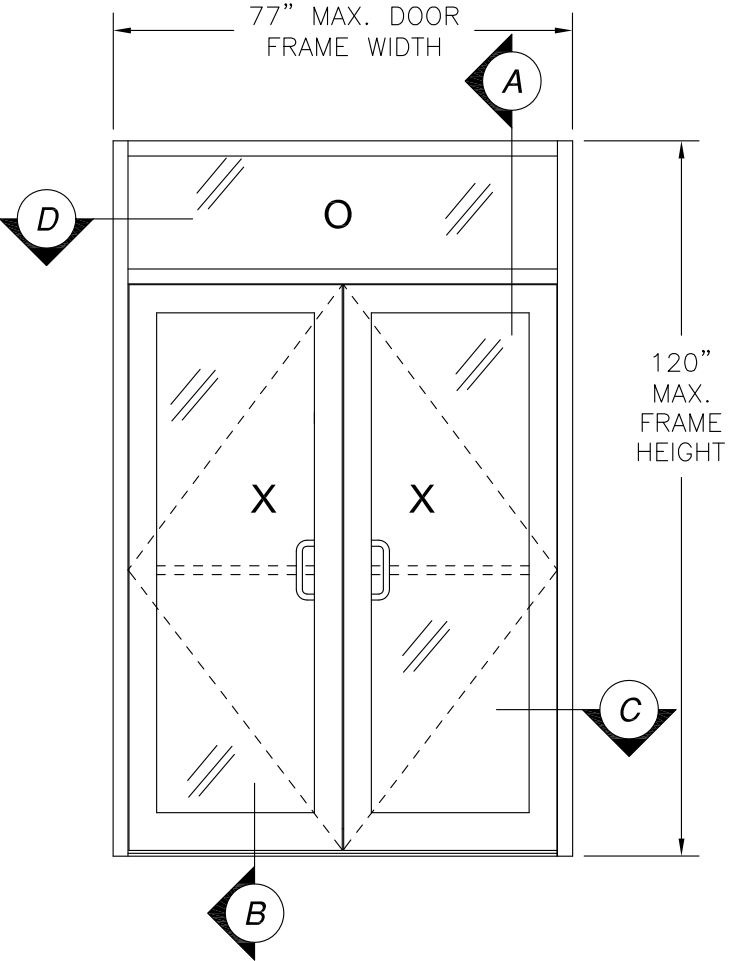
SEE RATING BOXES FOR WATER LIMITATIONS



DOUBLE

INSTALLED WITH AIR OR WATER THRESHOLD
(PARTS #7 OR #5, #6 AND #33)

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	

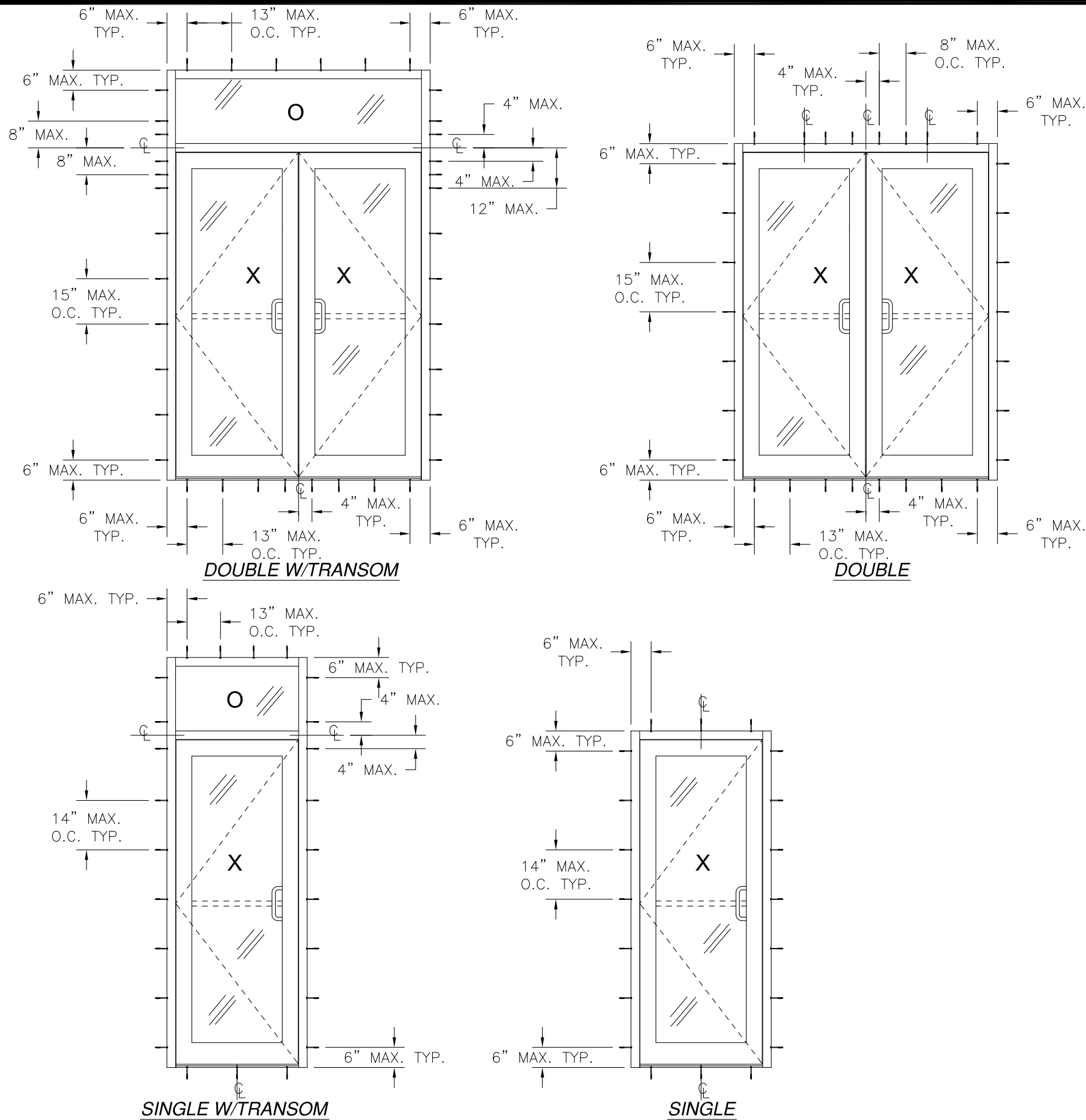


DOUBLE W/TRANSOM

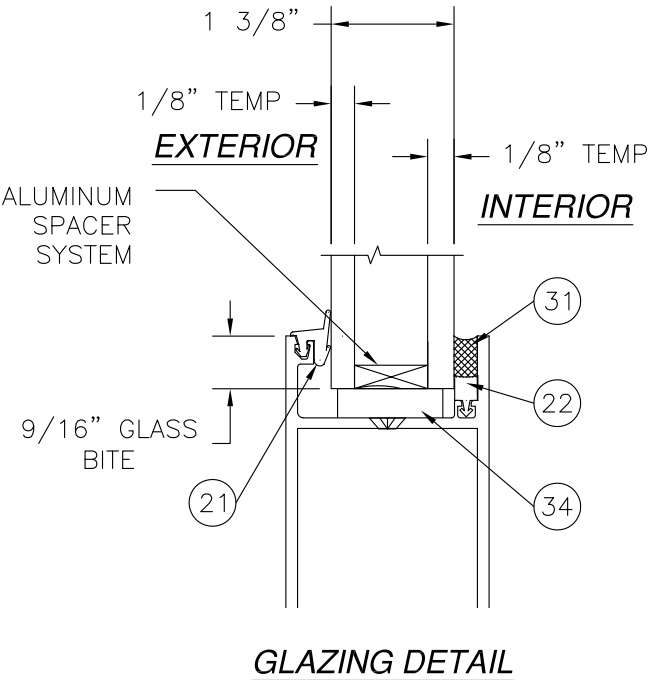
SIGNED: 05/08/2015

US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM – NI ADDITIONAL APPROVED CONFIGURATIONS		
DRAWN: R.L.	DWG NO. 08-01581	REV B
SCALE NTS	DATE 05/08/12	SHEET 3 OF 14





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US ALUMINUM
DIVISION OF C.R. LAURENCE CO., INC.
720 CEL-RIVER RD., ROCK HILL, SC 29730

SERIES BT601/IT600 STORM FRONT OS ALUMINUM
STOREFRONT DOOR SYSTEM – NI
ANCHORING LAYOUT AND NOTES

DRAWN:
R.L.

DWG NO.
08-01581

REV
B

SCALE NTS

DATE 05/08/12

SHEET 4 OF 14



PARTS LIST										REVISIONS				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL						REV	DESCRIPTION	DATE	APPROVED	
1	BT805	VERTICAL JAMB	US ALUMINUM	ALUMINUM 6063-T5						A	ADDED GLAZING DETAILS	07/09/12	R.L.	
2	IG568	OPTIONAL DOOR HEADER	US ALUMINUM	ALUMINUM 6063-T5	B	REVISED INSTALLATION DETAILS	04/24/15	R.L.						
3	BT852	HEAD MULLION	US ALUMINUM	ALUMINUM 6063-T5	PARTS LIST									
4		NOT USED			NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL					
5	BT870	SUB-SILL	US ALUMINUM	ALUMINUM 6063-T5	41	CB802	SHEAR CHANNEL	US ALUMINUM	ALUMINUM 6063-T5					
6	TH100	BT601 WATER THRESHOLD	US ALUMINUM	ALUMINUM 6063-T5	42	AHT 8	PANIC BAR	AHT						
7	TH821	AIR THRESHOLD	US ALUMINUM	ALUMINUM 6063-T5	43	1953A-450	STANDARD LOCKSET	ADAMS RITE						
8	BT853	DOOR HEADER	US ALUMINUM	ALUMINUM 6063-T5	44	4111	CLOSER	LCN						
9	BT804	VERTICAL MULLION FILLER	US ALUMINUM	ALUMINUM 6063-T5	45	1461	SURFACE CLOSER	LCN						
10	BT862	HORIZONTAL MULLION	US ALUMINUM	ALUMINUM 6063-T5	46	20-330	OHCC CLOSER	JACKSON						
11	BR863	BT601 GLASS STOP	US ALUMINUM	ALUMINUM 6063-T5	47	2030	OHCC CLOSER	LCN						
12	BR847	DOOR STOP ADAPTER	US ALUMINUM	ALUMINUM 6063-T5	48	CL045	SURFACE CLOSER	CR LAWRENCE						
13	EC870	END DAM	US ALUMINUM	A-245	49		FLUSH BOLT	US ALUMINUM						
14	BT867	HORIZONTAL HEADER	US ALUMINUM	ALUMINUM 6063-T5	50		FLUSH BOLT	IVES						
15	IE502	TOP RAIL	US ALUMINUM	ALUMINUM 6063-T5	51		1 1/2" BUTT HINGE PAIR	HAGER						
16	BT815	VERTICAL MULLION	US ALUMINUM	ALUMINUM 6063-T5	52	CB901	2 3/8" CORNER BLOCK	US ALUMINUM						
17	IE150	DOOR GLAZING STOP	US ALUMINUM	ALUMINUM 6063-T5	53	ST197	#8 x 3/8" PH SMS							
18	BT835	HEAVY DUTY VERTICAL MULL	US ALUMINUM	ALUMINUM 6063-T5	54	DN350	AJUSTABLE ASTRAGAL	US ALUMINUM	ALUMINUM 6063-T5					
19	IE501	16500 BOTTOM RAIL	US ALUMINUM	ALUMINUM 6063-T5	55		NOT USED							
20	NP801	DOOR WEATHERSTRIP	US ALUMINUM		56	PROGLAZE SSG	GLAZING COMPOUND	TREMCO	SILICONE					
21	NP225	TOP LOAD GASKET	US ALUMINUM	EPDM 60 DURO	57	SPECTRUM 2	PERIMETER SEAL	TREMCO	SILICONE					
22	SP250	GLAZING SEAL	US ALUMINUM	SCR	58	DOW 795	PERIMETER SEAL	DOW CORNING	SILICONE					
23	BT872	HORIZONTAL SILL	US ALUMINUM	ALUMINUM 6063-T5	59		3/8" - 16 x 3" HH BOLT							
24	SB117	SETTING BLOCK	US ALUMINUM	EPDM 85 DURO	60	TC900	11GA. THRESHOLD CLIP	US ALUMINUM	COLD ROLLED STEEL					
25	ST266	#12 x 1" HWH SMS			61		#12-24 x 1/4" SCREW							
26	ST268	#12 x 3/4" HWH SMS			62	H-61239	VERTICAL MULLION	US ALUMINUM	ALUMINUM 6063-T5					
27		NOT USED												
28		8GA. STEEL STIFFENER HEAVY	US ALUMINUM	A36 MILD STEEL										
29		NOT USED												
30	ST035	#10 x 5/8" FH SMS												
31	DOW 995	GLAZING COMPOUND	DOW CORNING	SILICONE										
32	CB901	6" CORNER BLOCK	US ALUMINUM											
33	TH804	HP WATER TRESHOLD INSERT	US ALUMINUM	ALUMINUM 6063-T5										
34	D917	SETTING BLOCK	US ALUMINUM	EPDM 85 DURO										
35	IE560	INACTIVE STILE	US ALUMINUM	ALUMINUM 6063-T5										
36	IG146	DOOR STOP	US ALUMINUM	ALUMINUM 6063-T5										
37	IG047/IG046	DOOR STOP INSERT	US ALUMINUM	ALUMINUM 6063-T5										
38	IE550	ACTIVE STILE	US ALUMINUM	ALUMINUM 6063-T5										
39	IE520	HINGE STILE	US ALUMINUM	ALUMINUM 6063-T5										
40	W-510	DOOR WEATHERSTRIP	US ALUMINUM											

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US ALUMINUM

DIVISION OF C.R. LAURENCE CO., INC.

720 CEL-RIVER RD., ROCK HILL, SC 29730

SERIES BT601/IT600 STORM FRONT OS ALUMINUM

STOREFRONT DOOR SYSTEM - NI

BILL OF MATERILS AND GLAZING DETAILS

DRAWN:

R.L.

DWG NO.

08-01581

REV

B

SCALE

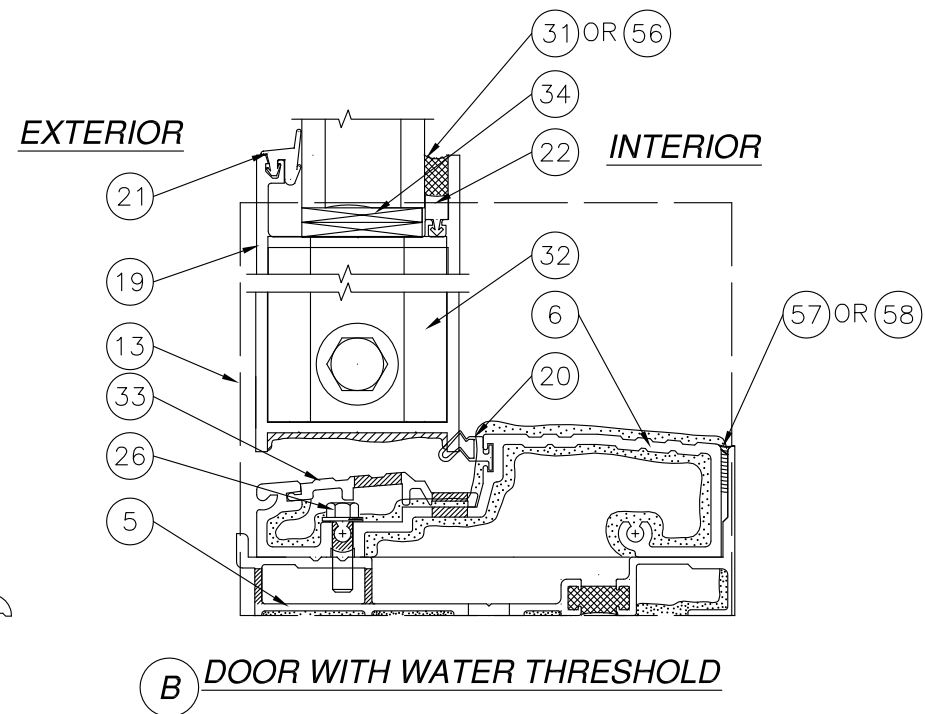
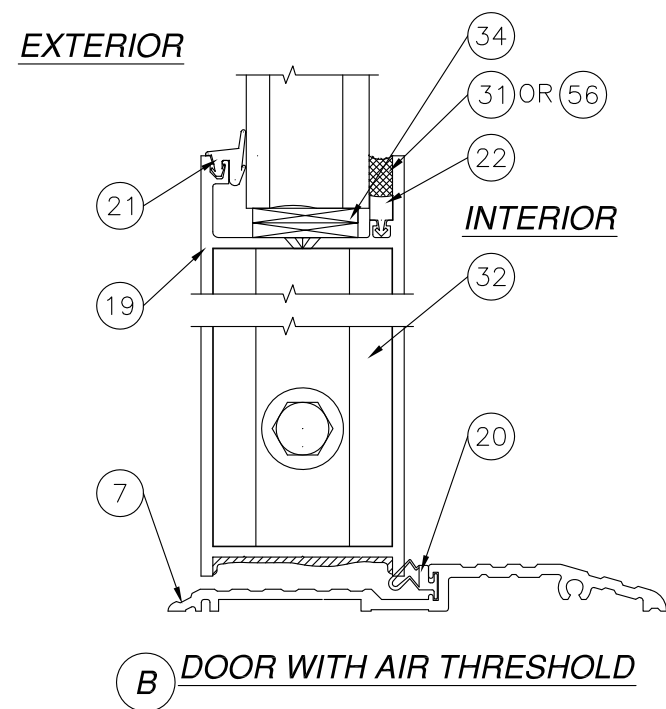
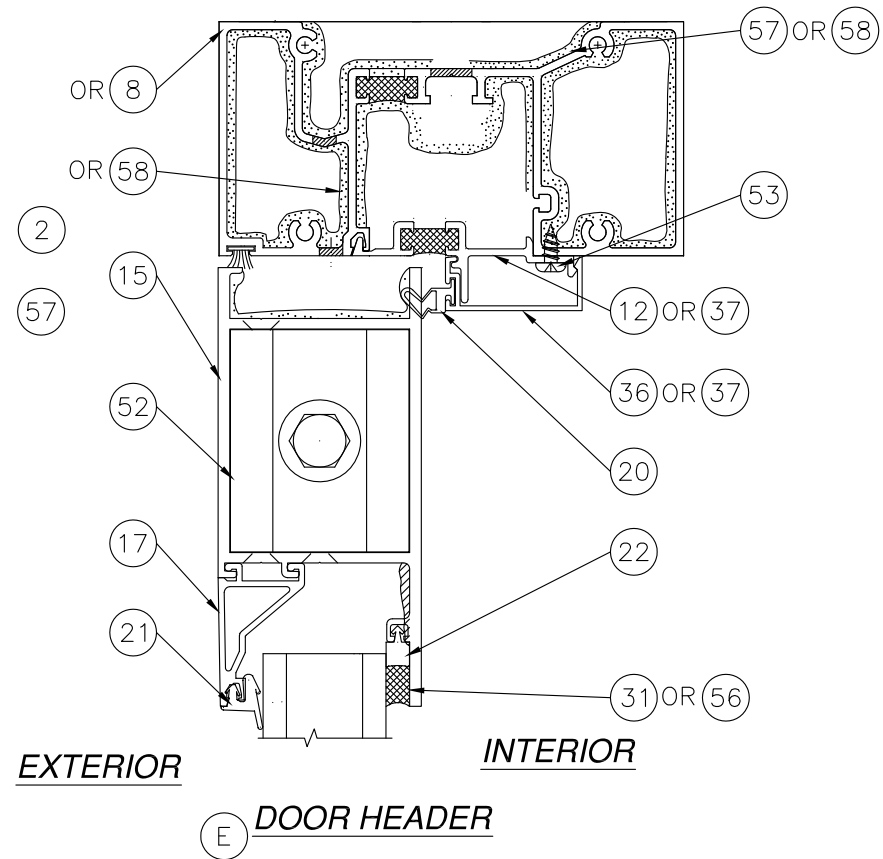
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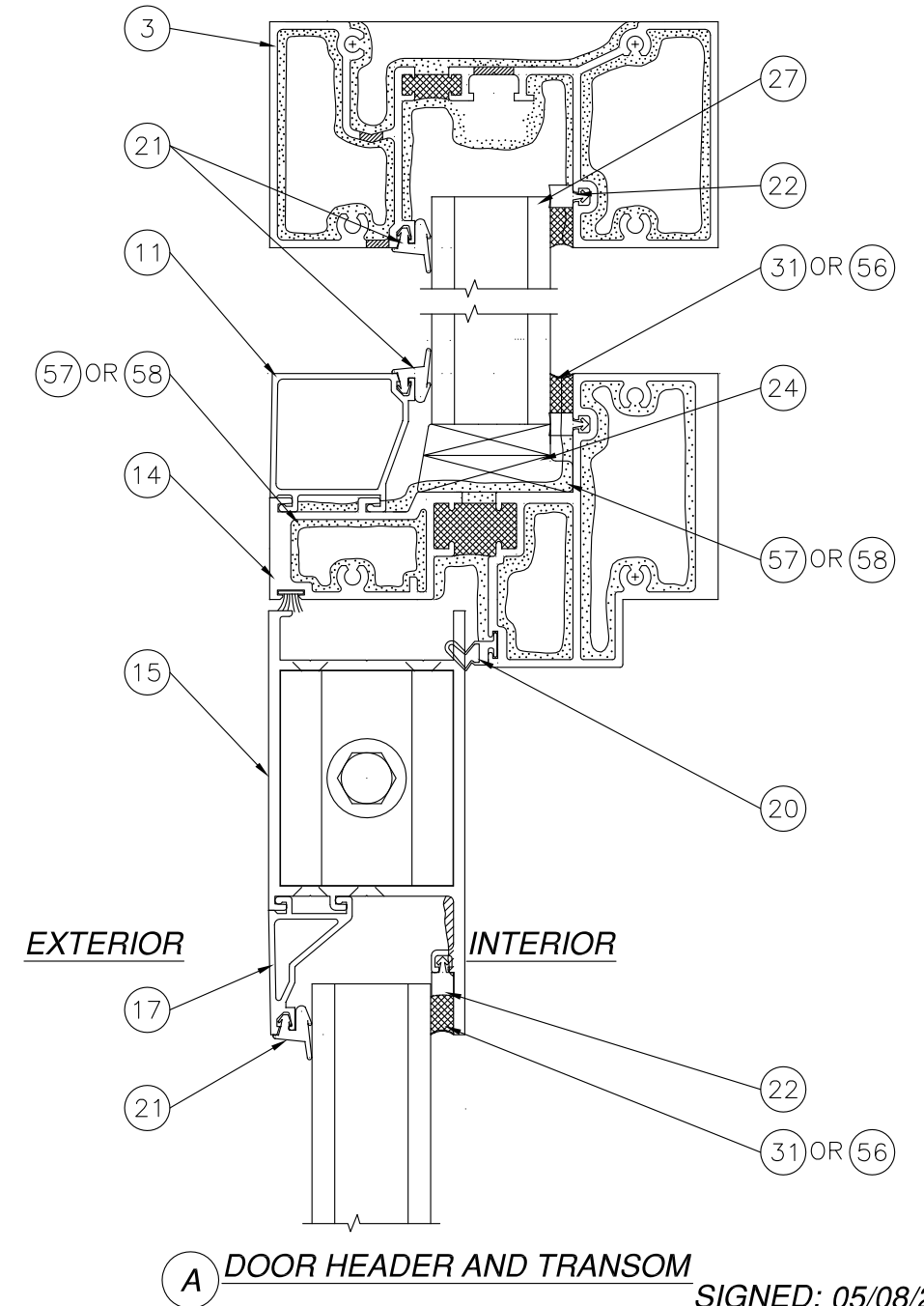
SHEET

5 OF 14



NOTE: FOR ANCHORING TO
SUBSTRATE SEE SHEETS
8 THRU 11.

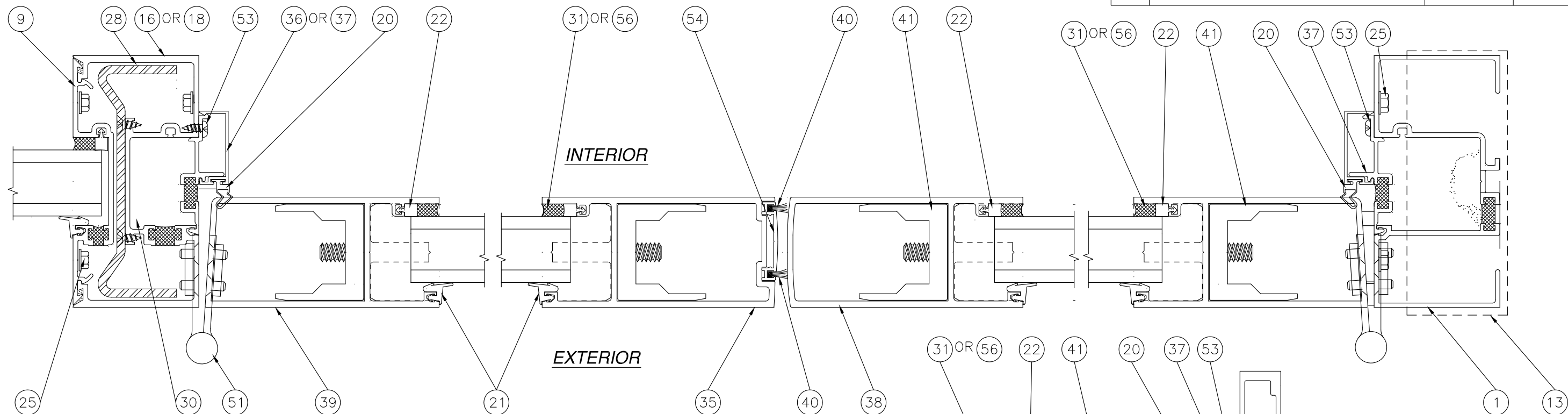
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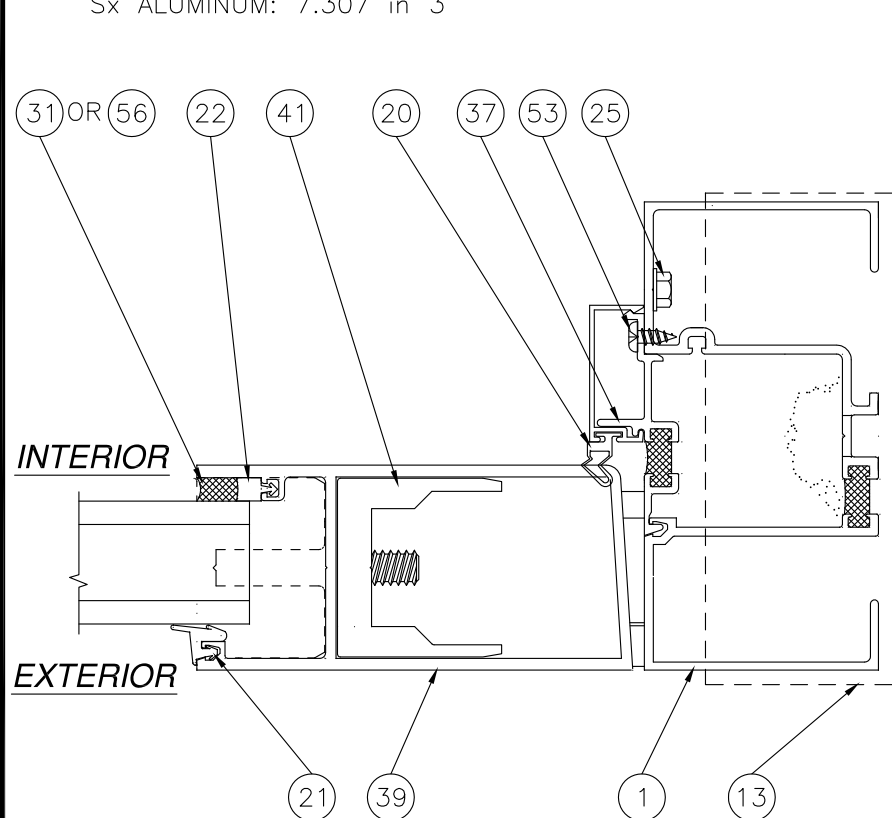
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US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730			
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - NI CROSS SECTIONS			
DRAWN: R.L.	DWG NO. 08-01581	REV B	
SCALE NTS	DATE 05/08/12	SHEET 6 OF 14	

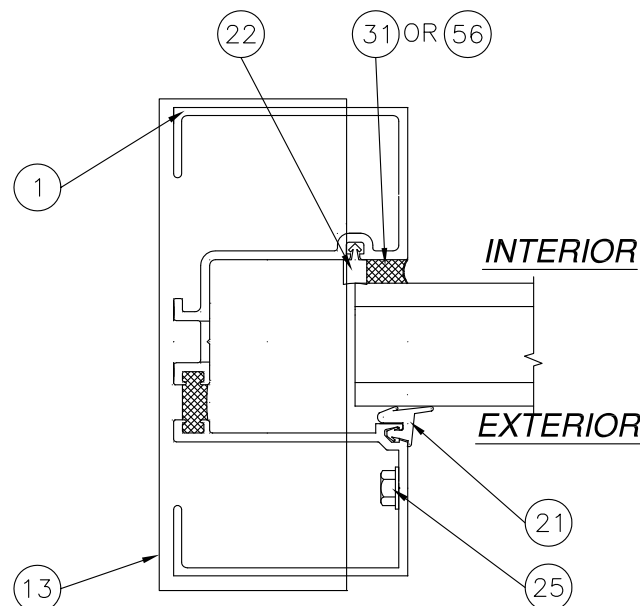
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MULLION ASSEMBLY PROPERTIES
TOTAL Ix (IN TERMS OF ALUMINUM): 18.6538 in⁴
Sx ALUMINUM: 7.307 in³

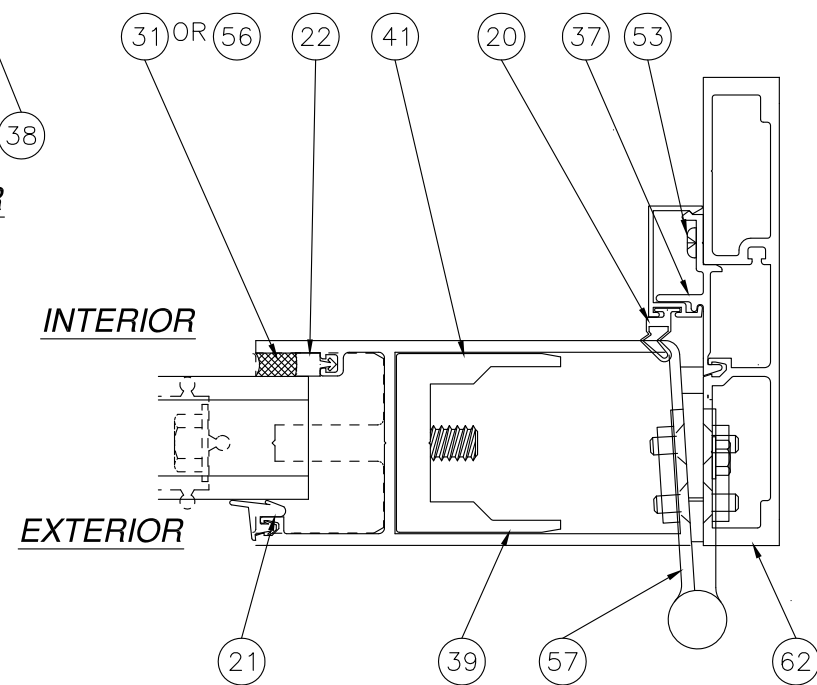


F LOCK STILE TO JAMB



D TRANSOM JAMB

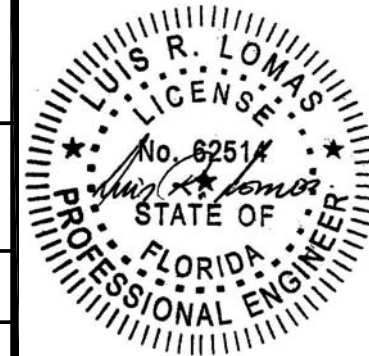
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C HEAD OR JAMB WITH OPTIONAL FRAME

US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
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SIGNED: 05/08/2015



1 1/2" MIN. EDGE DIST.

1 7/8" MIN.
EMBEDMENT

WOOD FRAMING BY OTHERS,
WOOD FRAMING TO
BE PROPERLY SECURED

1/2" MAX.
SHIM

BACKER ROD AND
APPROVED SEALANT
BY OTHERS

BACKER ROD AND
APPROVED SEALANT
BY OTHERS

3/8" LAG SCREW

FASTENER HEADS
MUST BE COVERED
WITH APPROVED
SEALANT

EXTERIOR

INTERIOR

E DOOR HEADER

2X WOOD FRAMING INSTALLATION TRANSOM HEADER SIMILAR

EXTERIOR

INTERIOR

3/8" LAG SCREW

SILL TO BE SET IN
BED OF APPROVED
SEALANT

FASTENER HEADS
MUST BE COVERED
WITH APPROVED
SEALANT

WOOD FRAMING BY OTHERS,
WOOD FRAMING TO
BE PROPERLY SECURED

1 7/8" MIN.
EMBEDMENT

1 1/2" MIN. EDGE DIST.

B WATER THRESHOLD

2X WOOD FRAMING INSTALLATION

NOTES:

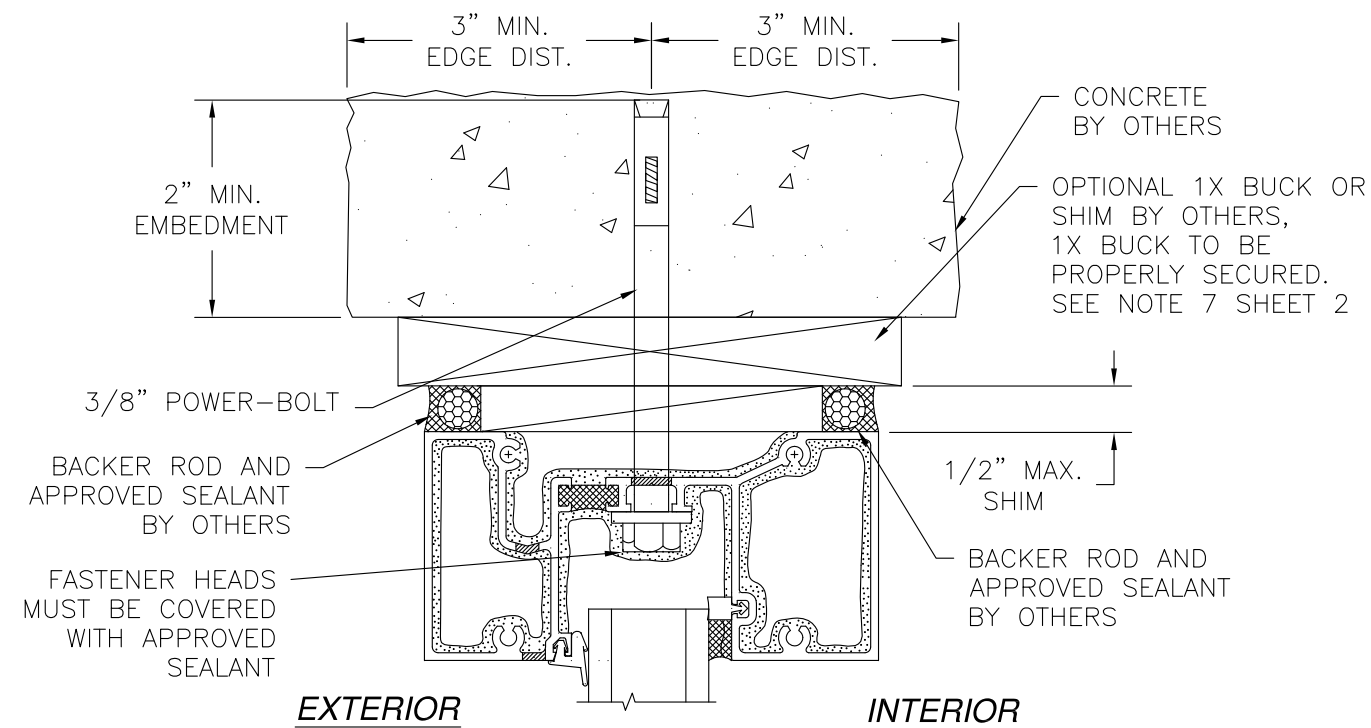
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS

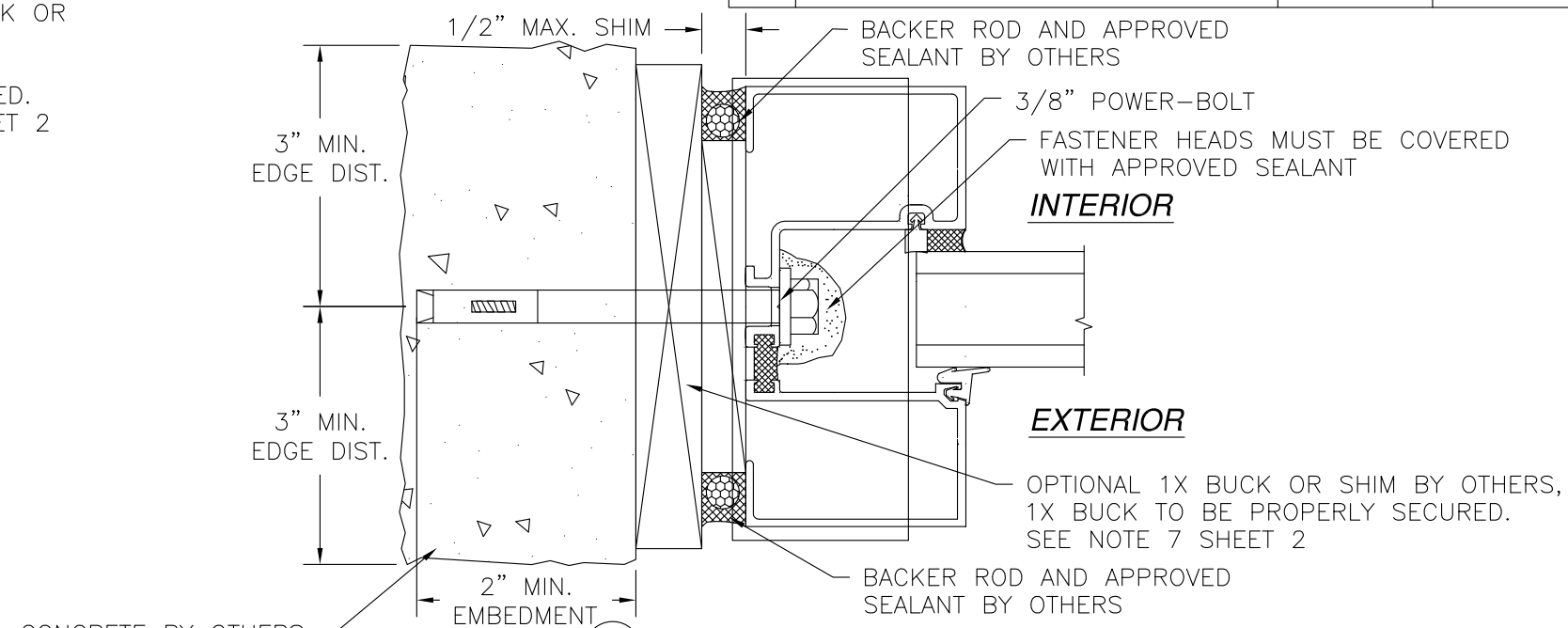
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BACKER ROD AND
APPROVED SEALANT
BY OTHERS

FASTENER HEADS
MUST BE COVERED
WITH APPROVED
SEALANT

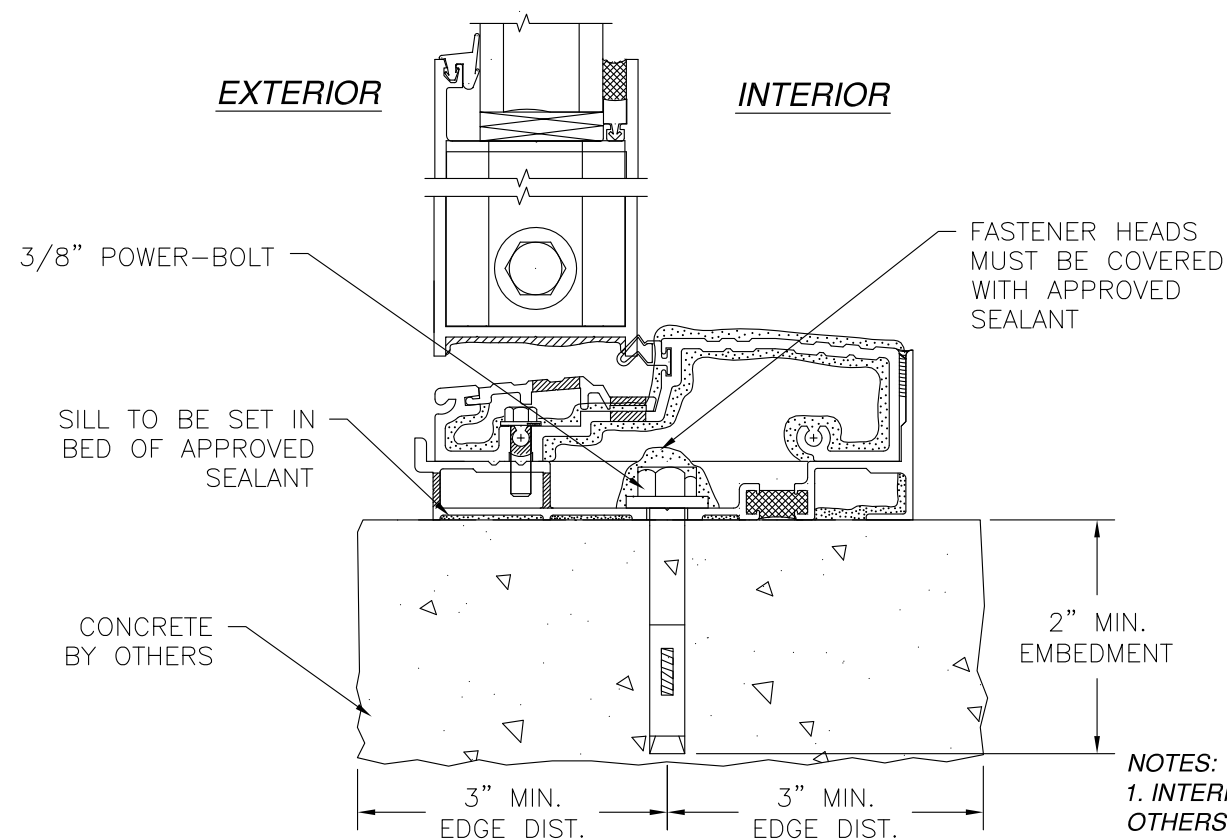


A TRANSOM HEADER
CONCRETE INSTALLATION
DOOR HEADER SIMILAR



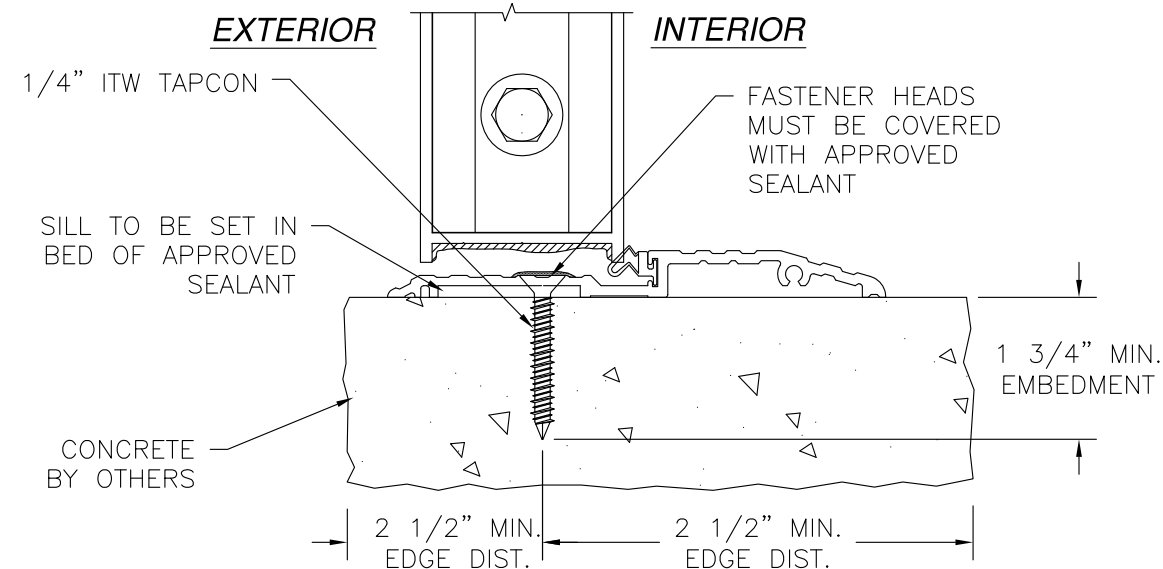
D TRANSOM JAMB

MASONRY/CONCRETE LOCK JAMB AND HINGE JAMB SIMILAR



B WATER THRESHOLD
CONCRETE INSTALLATION

NOTES:
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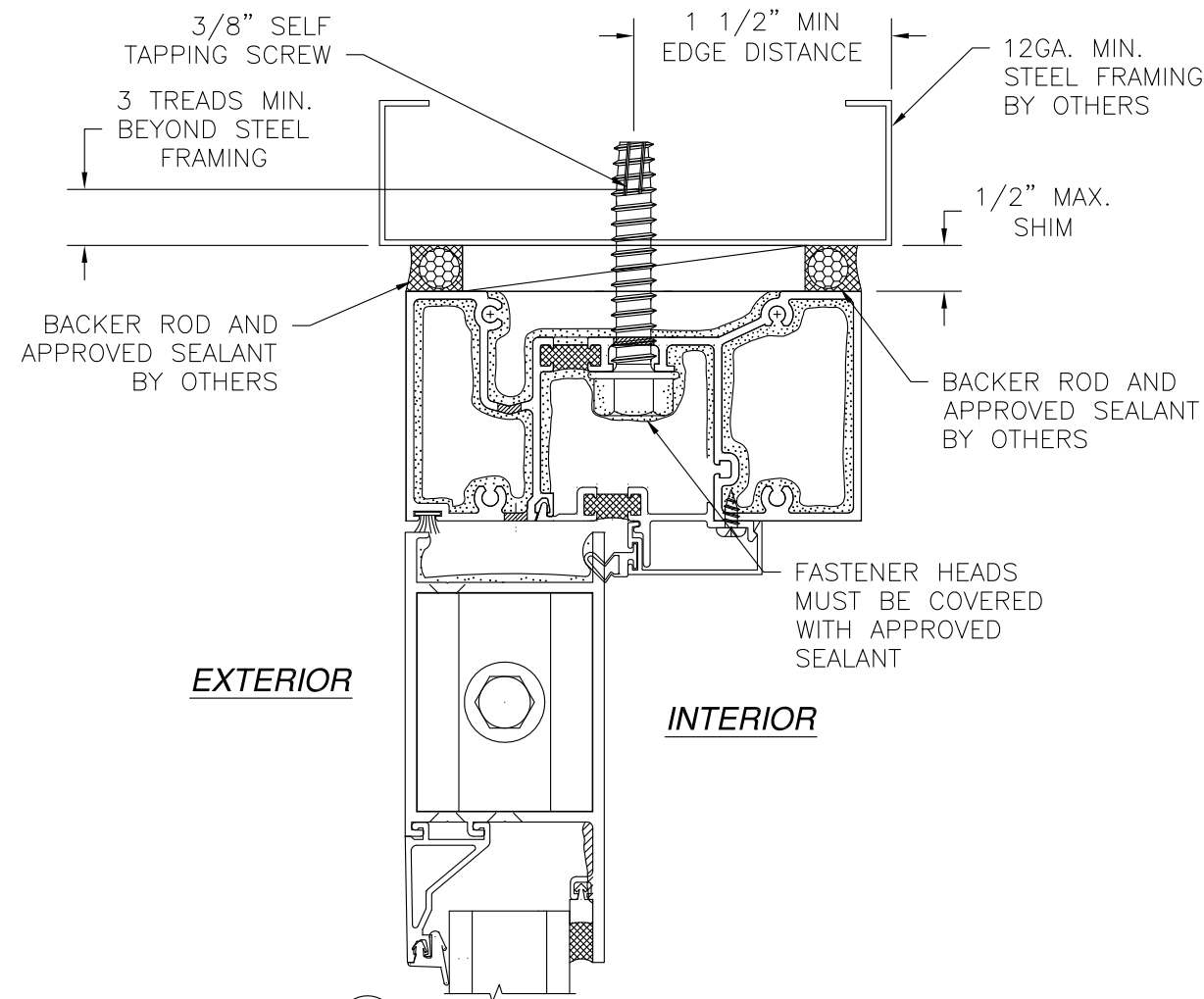
B AIR THRESHOLD
CONCRETE INSTALLATION

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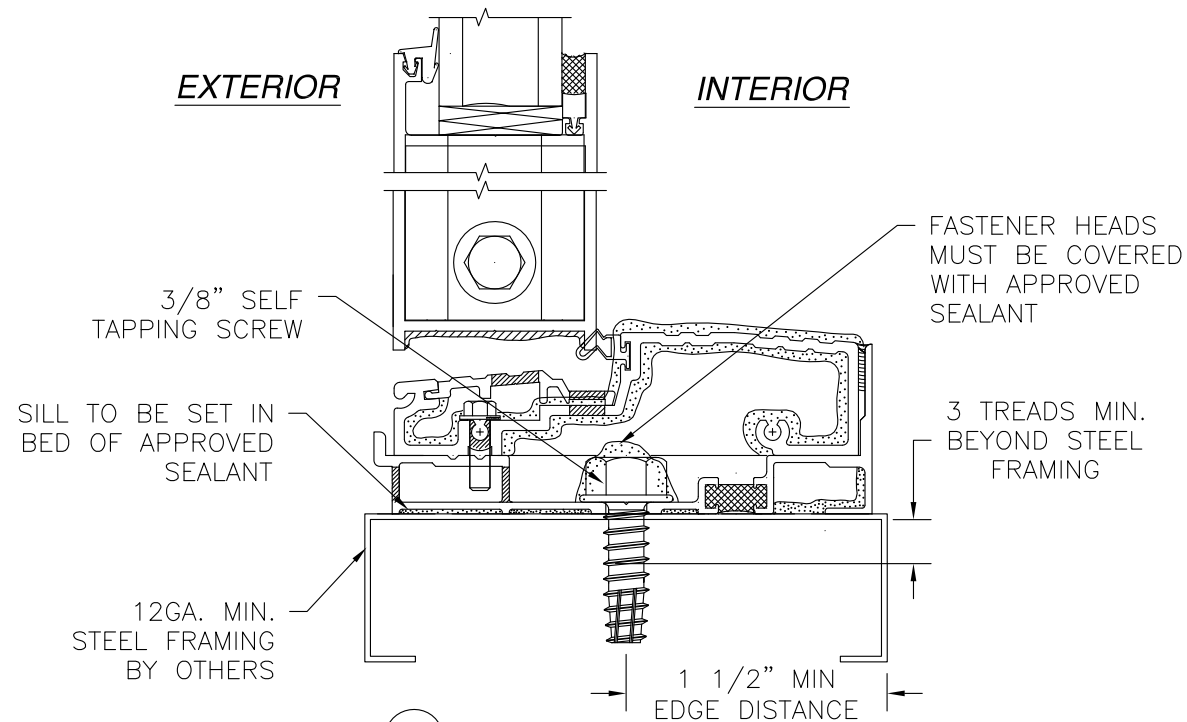
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SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - NI INSTALLATION DETAILS		
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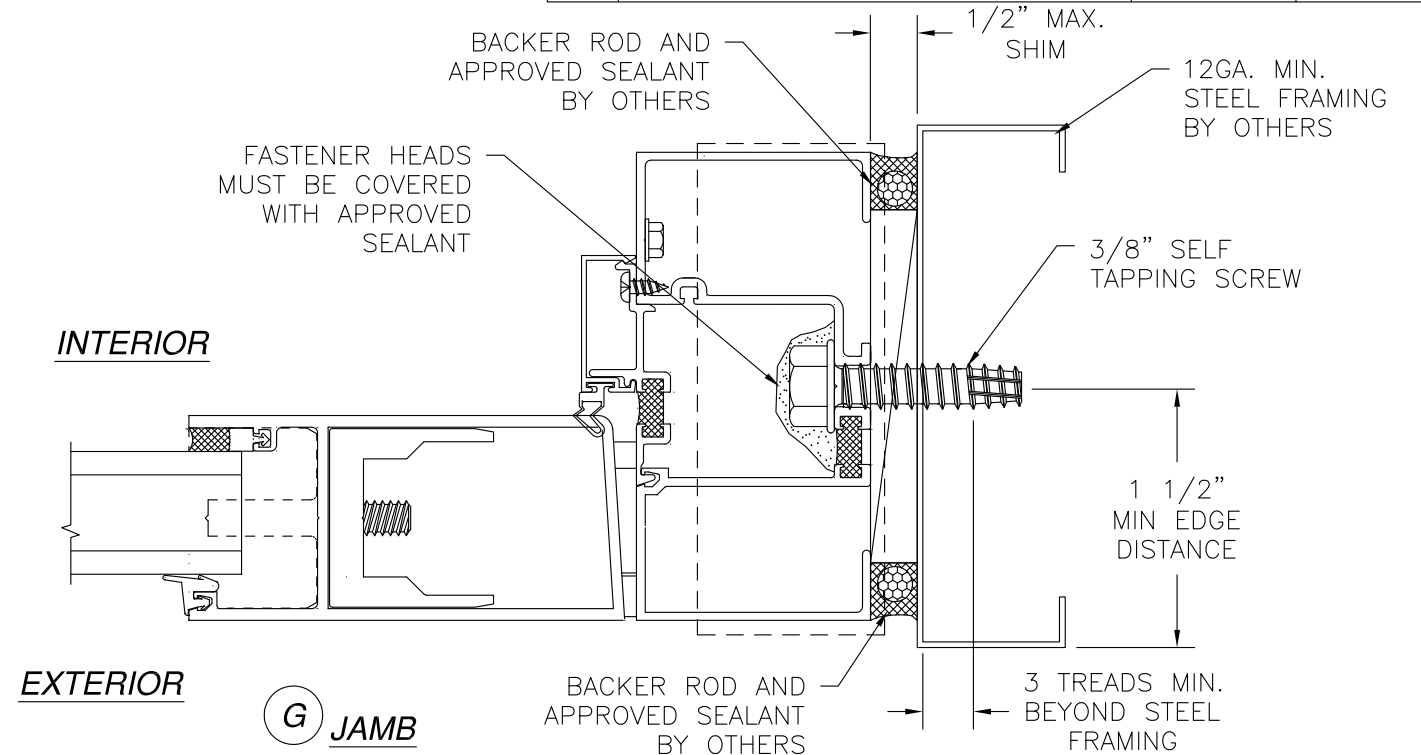
E DOOR HEADER
STEEL FRAMING INSTALLATION
TRANSOM HEADER SIMILAR



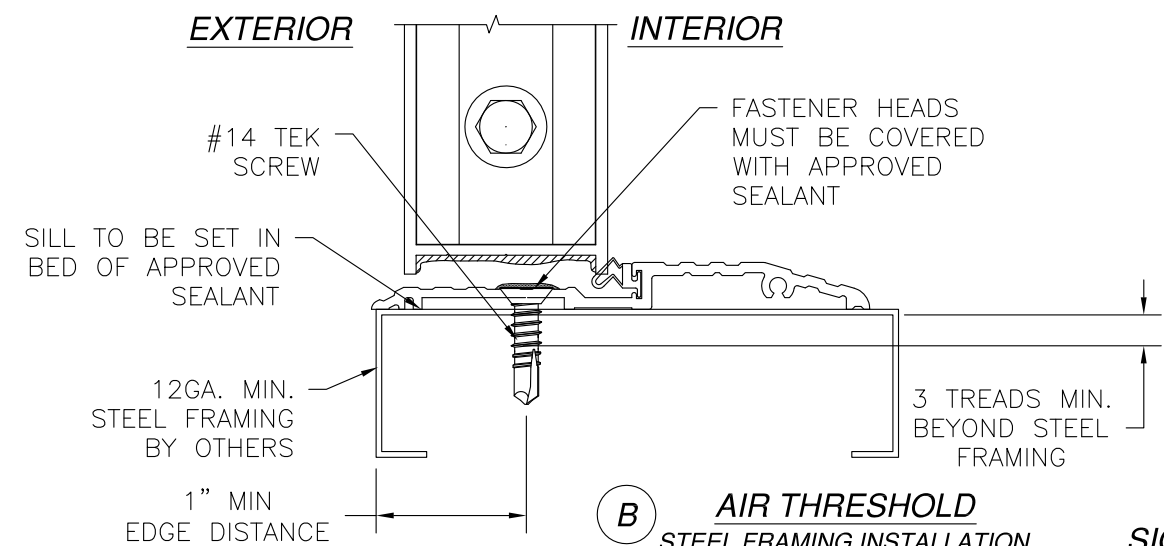
B WATER THRESHOLD
STEEL FRAMING INSTALLATION

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLAZING DETAILS	07/09/12	R.L.
B	REVISED INSTALLATION DETAILS	04/24/15	R.L.



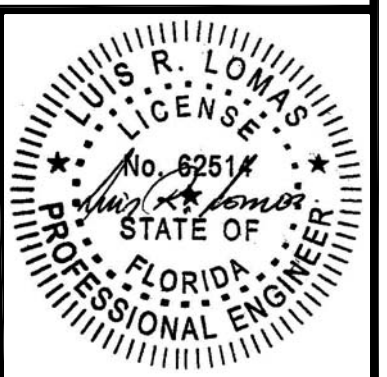
G JAMB
STEEL FRAMING INSTALLATION
TRANSOM JAMB AND HINGE JAMB SIMILAR

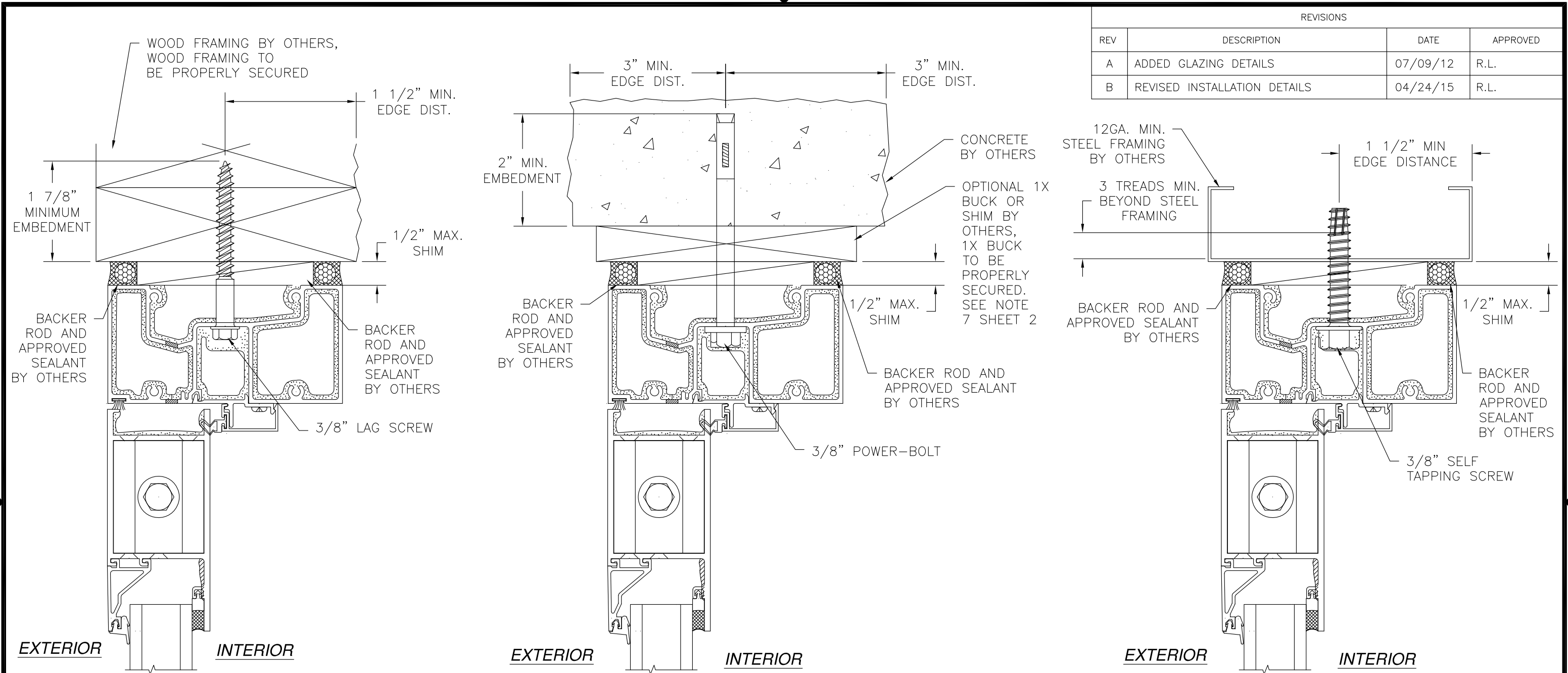


B AIR THRESHOLD
STEEL FRAMING INSTALLATION

SIGNED: 05/08/2015

US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - NI INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-01581	REV B
SCALE NTS	DATE 05/08/12	SHEET 10 OF 14





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLAZING DETAILS	07/09/12	R.L.
B	REVISED INSTALLATION DETAILS	04/24/15	R.L.

E OPTIONAL DOOR HEADER
2X INSTALLATION

E OPTIONAL DOOR HEADER
CONCRETE INSTALLATION

E OPTIONAL DOOR HEADER
STEEL FRAMING INSTALLATION

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: 05/08/2015

US ALUMINUM
DIVISION OF C.R. LAURENCE CO., INC.
720 CEL-RIVER RD., ROCK HILL, SC 29730

SERIES BT601/IT600 STORM FRONT OS ALUMINUM
STOREFRONT DOOR SYSTEM - NI
INSTALLATION DETAILS

DRAWN:
R.L.

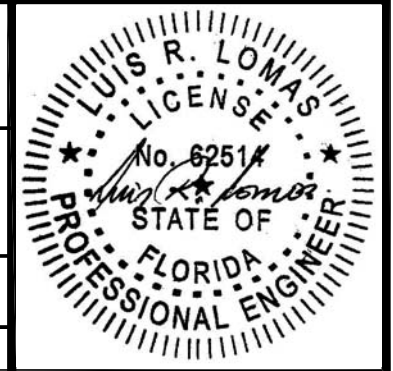
DWG NO.
08-01581

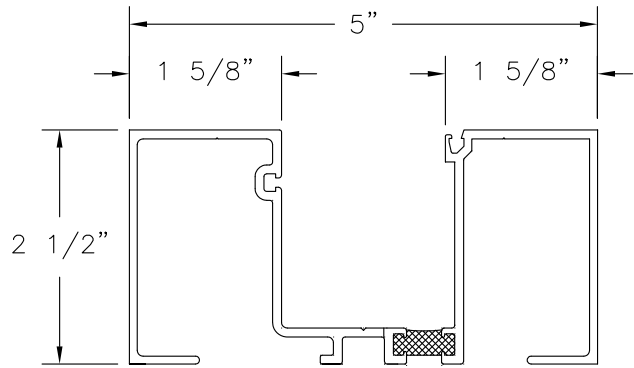
REV
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SCALE NTS

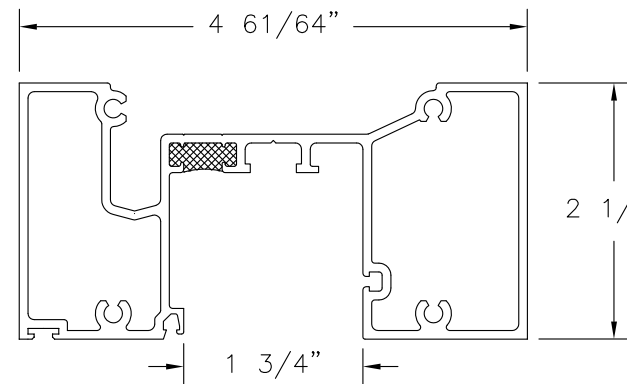
DATE 05/08/12

SHEET 11 OF 14

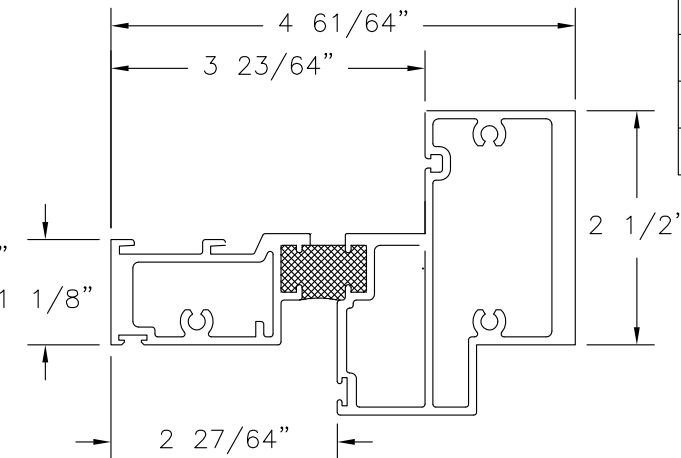




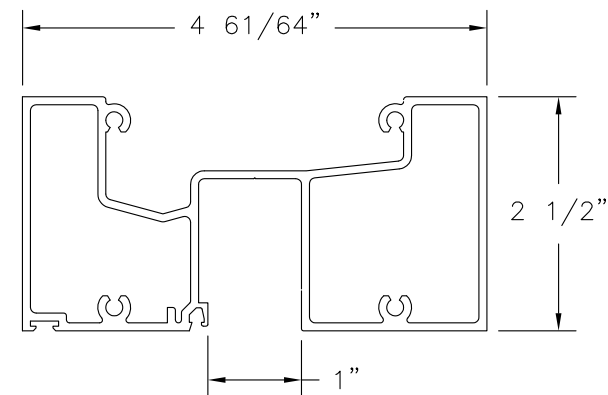
① **VERTICAL JAMB**
EXTRUDED ALUMINUM
6063-T5 .095" THICK



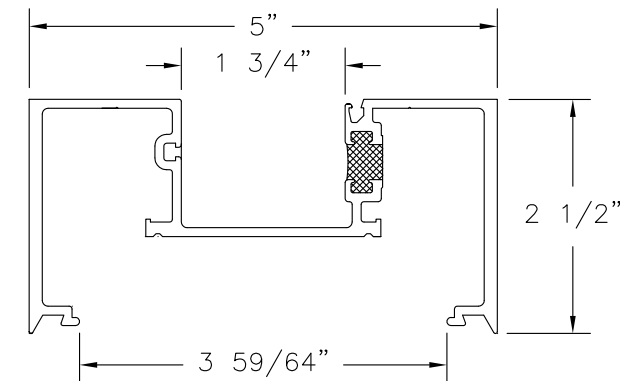
⑧ **DOOR HEADER**
EXTRUDED ALUMINUM 6063-T5 .085" THICK



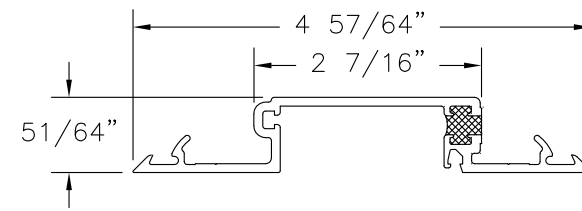
⑭ **HORIZONTAL HEADER**
EXTRUDED ALUMINUM 6063-T5 .085" THICK



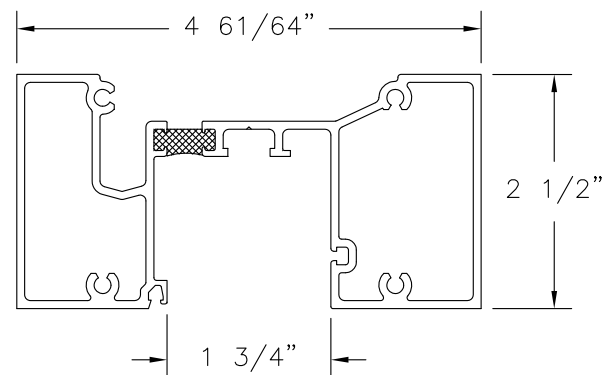
② **OPTIONAL DOOR HEADER**
EXTRUDED ALUMINUM 6063-T5 .085" THICK



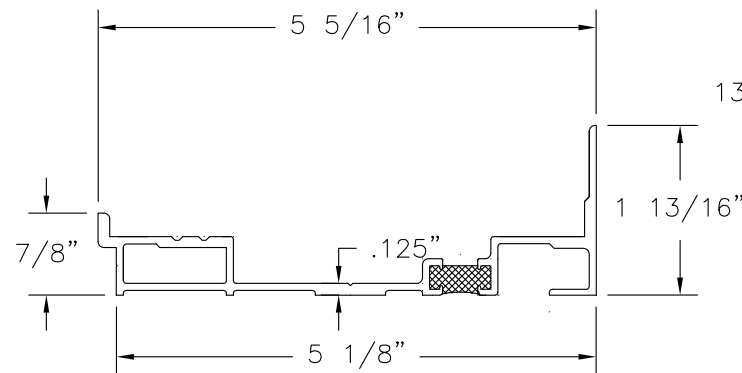
⑯ **VERTICAL MULLION**
EXTRUDED ALUMINUM 6063-T5 .095" THICK



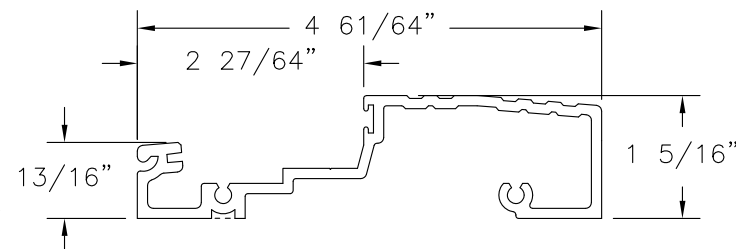
⑨ **VERTICAL MULLION FILLER**
EXTRUDED ALUMINUM 6063-T5 .095" THICK



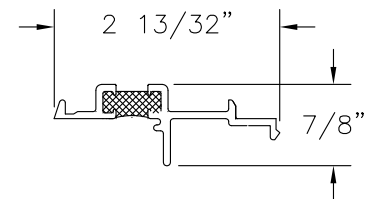
③ **HEAD MULLION**
EXTRUDED ALUMINUM 6063-T5 .085" THICK



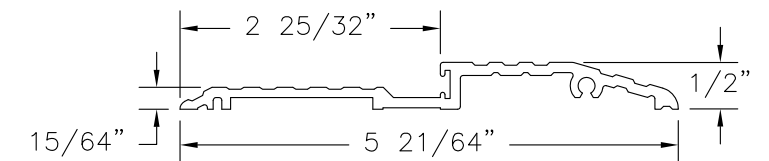
⑤ **SUB SILL**
EXTRUDED ALUMINUM 6063-T5 .075" THICK



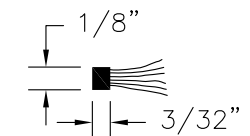
⑥ **WATER THRESHOLD**
EXTRUDED ALUMINUM 6063-T5 .109" THICK



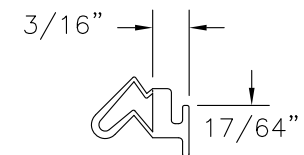
⑫ **DOOR STOP ADAPTER**
EXTRUDED ALUMINUM 6063-T5 .095" THICK



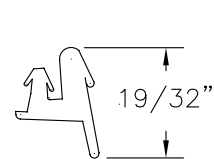
⑦ **AIR THRESHOLD**
EXTRUDED ALUMINUM 6063-T5 .109" THICK



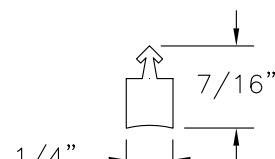
④① **DOOR WEATHERSTRIP**
POLY PILE



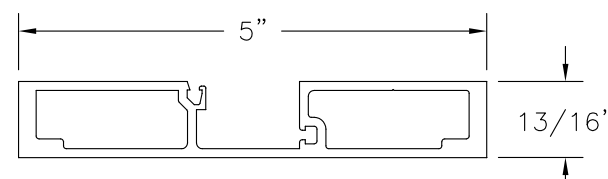
②① **DOOR WEATHERSTRIP**
VINYL



②① **TOP LOAD GASKET**
EDPM 60 DUROMETER



②② **GLAZING SEAL**
SCR



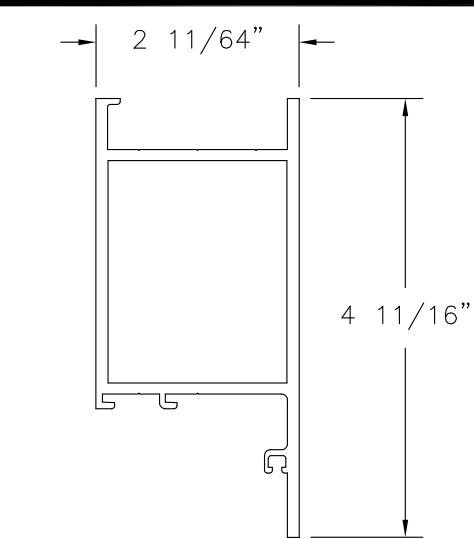
⑥② **VERTICAL JAMB**
EXTRUDED ALUMINUM
6063-T5 .095" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLAZING DETAILS	07/09/12	R.L.
B	REVISED INSTALLATION DETAILS	04/24/15	R.L.

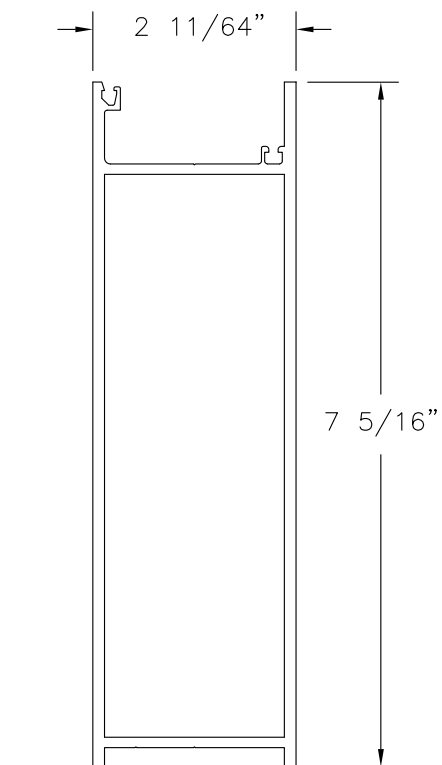
SIGNED: 05/08/2015

US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - NI COMPONENTS		
DRAWN: R.L.	DWG NO. 08-01581	REV B
SCALE NTS	DATE 05/08/12	SHEET 12 OF 14

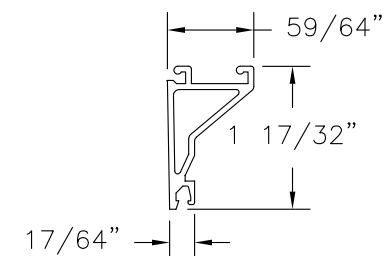
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



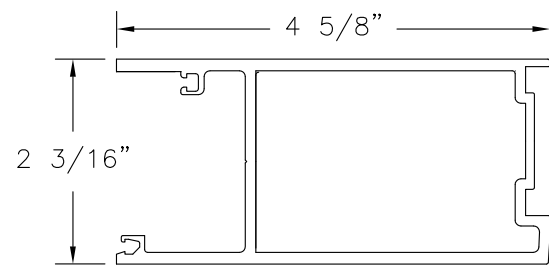
15 **DOOR TOP RAIL**
EXTRUDED ALUMINUM
6063-T5 .125" THICK



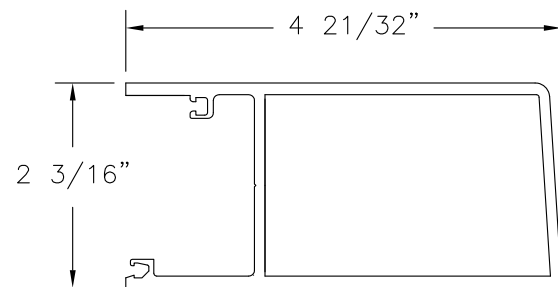
19 **BOTTOM RAIL**
EXTRUDED ALUMINUM
6063-T5 .125" THICK



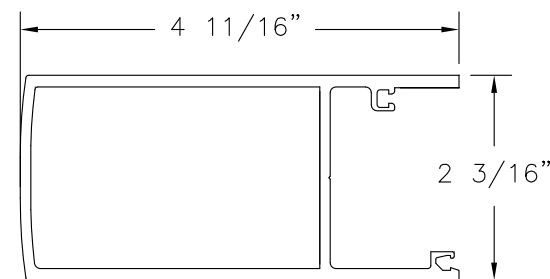
17 **DOOR GLAZING STOP**
EXTRUDED ALUMINUM
6063-T5 .062" THICK



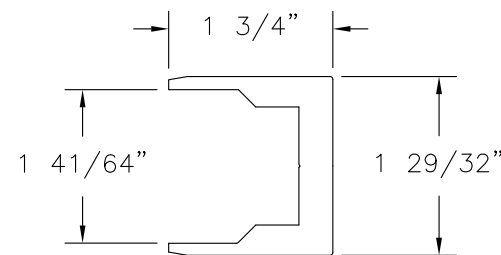
35 **INACTIVE STILE**
EXTRUDED ALUMINUM
6063-T5 .125" THICK



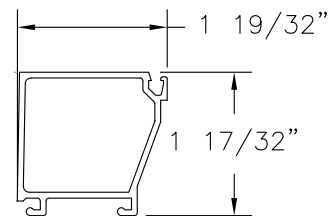
39 **HINGE STILE**
EXTRUDED ALUMINUM
6063-T5 .125" THICK



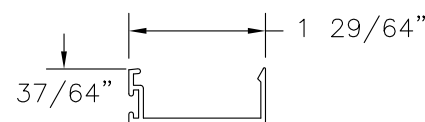
38 **ACTIVE STILE**
EXTRUDED ALUMINUM
6063-T5 .125" THICK



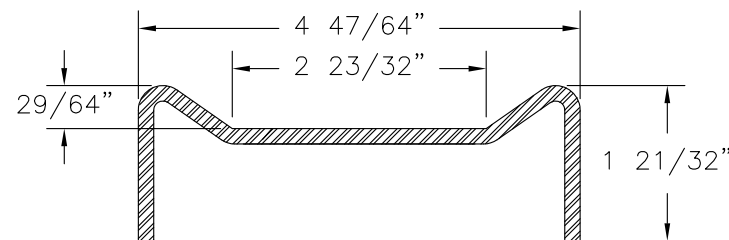
41 **SHEAR CHANNEL**
EXTRUDED ALUMINUM
6063-T5 .363" THICK



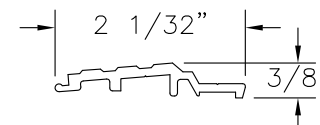
11 **GLASS STOP**
EXTRUDED ALUMINUM 6063-T5 .062" THICK



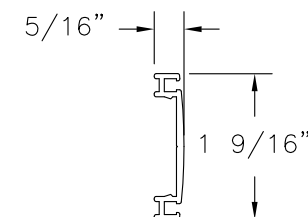
36 **DOOR STOP**
EXTRUDED ALUMINUM
6063-T5 .050" THICK



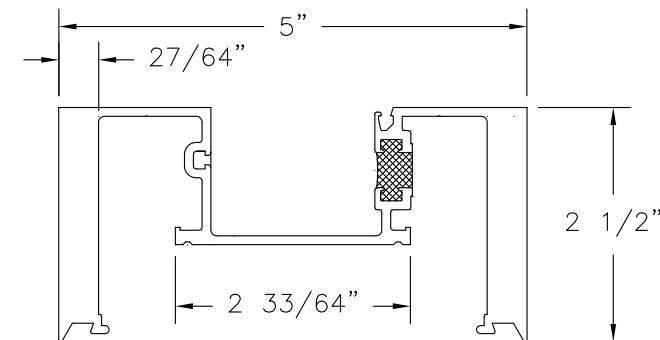
28 **STEEL STIFFENER HEAVY**
FORMED 8GA. A36 MILD STEEL



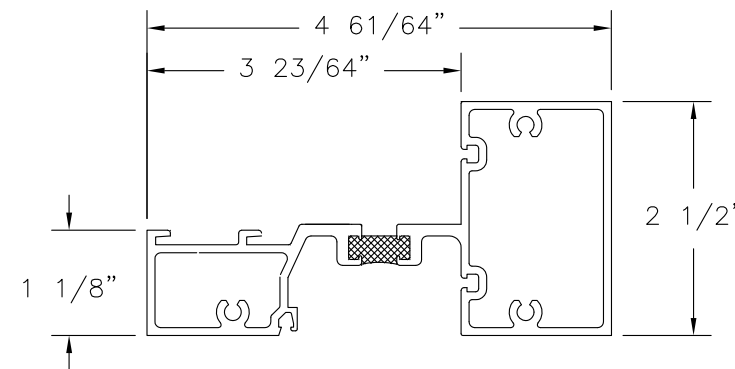
33 **HP WATER THRESHOLD INSERT**
EXTRUDED ALUMINUM
6063-T5 .090" THICK



54 **ADJUSTABLE ASTRAGAL**
EXTRUDED ALUMINUM
6063-T5 .055" THICK



18 **HEAVY DUTY VERTICAL MULLION**
EXTRUDED ALUMINUM 6063-T5 .095" THICK

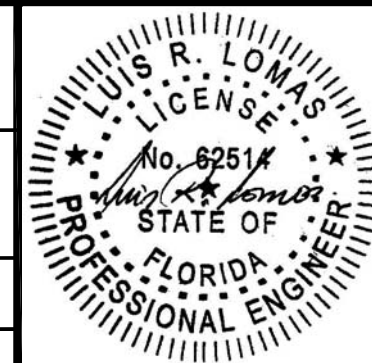


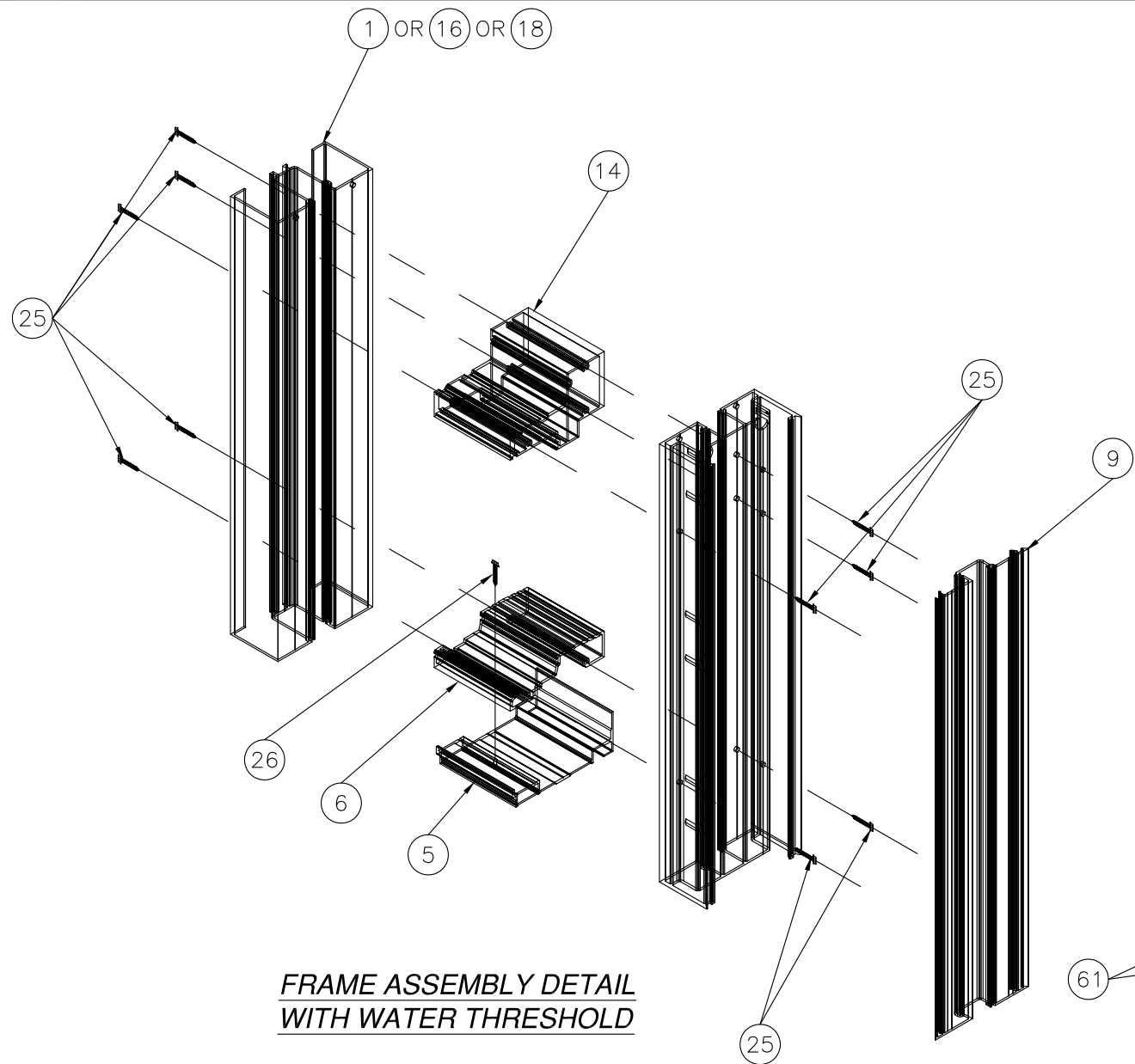
10 **HORIZONTAL MULL**
EXTRUDED ALUMINUM
6063-T5 .085" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLAZING DETAILS	07/09/12	R.L.
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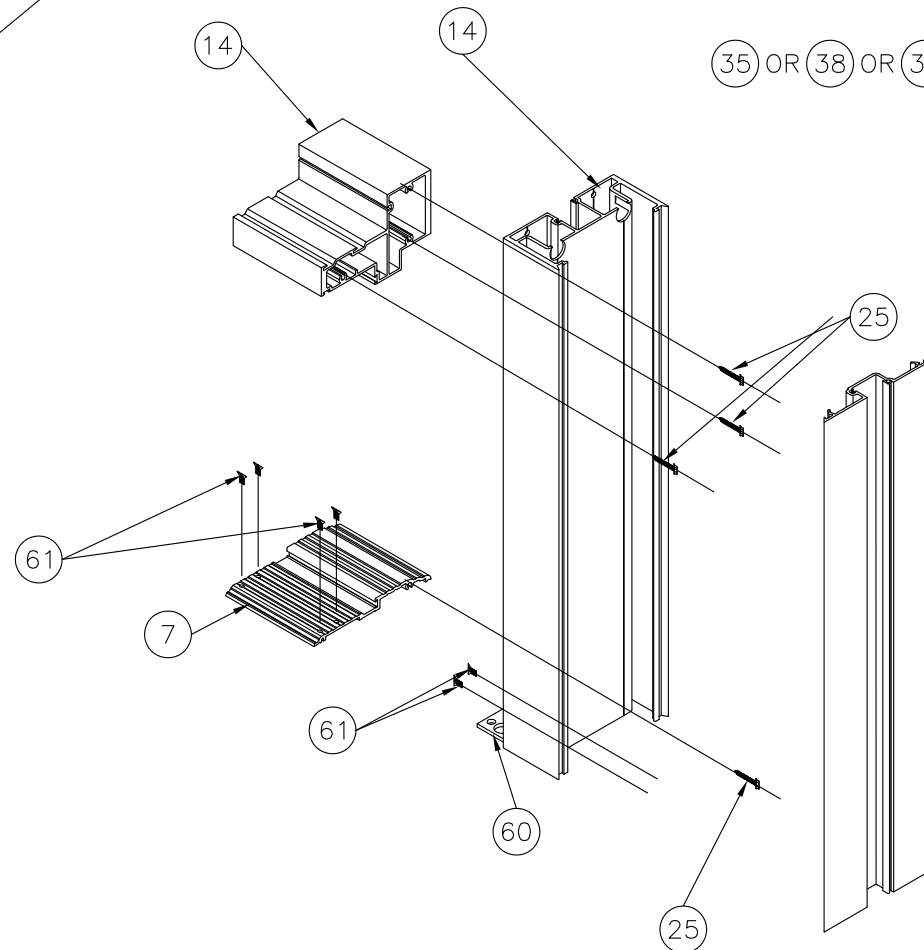
SIGNED: 05/08/2015

US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - NI COMPONENTS		
DRAWN: R.L.	DWG NO. 08-01581	REV B
SCALE NTS	DATE 05/08/12	SHEET 13 OF 14

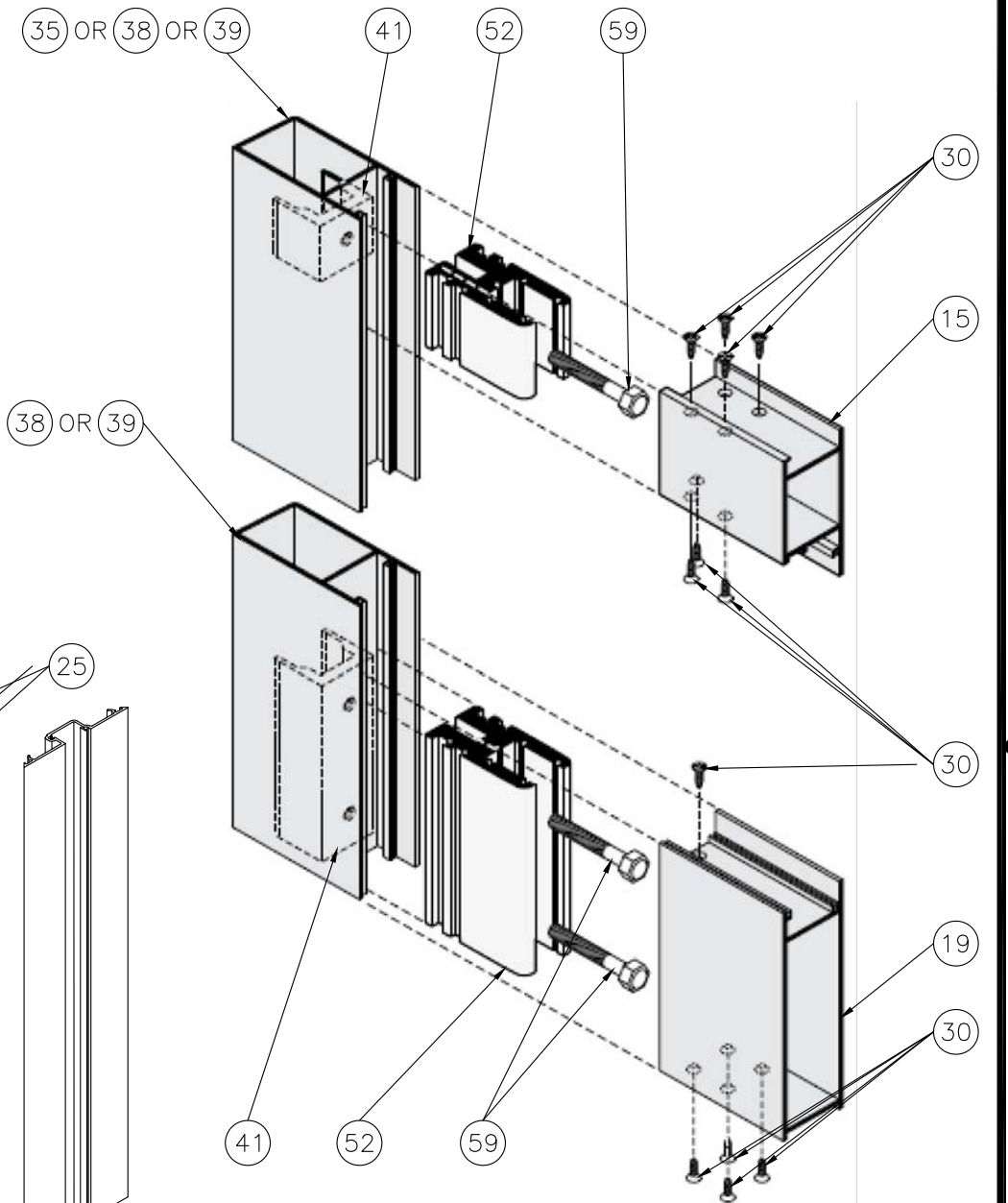




FRAME ASSEMBLY DETAIL
WITH WATER THRESHOLD



AIR THRESHOLD DETAIL



PANEL ASSEMBLY DETAIL

SIGNED: 05/08/2015

REVISIONS			
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US ALUMINUM DIVISION OF C.R. LAURENCE CO., INC. 720 CEL-RIVER RD., ROCK HILL, SC 29730		
SERIES BT601/IT600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM – NI PANEL AND FRAME ASSEMBLY DETAILS		
DRAWN: R.L.	DWG NO. 08-01581	REV B
SCALE NTS	DATE 05/08/12	SHEET 14 OF 14

