



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
 (305) 375-2901 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**United States Aluminum Corporation**  
**720 Cel-River Road**  
**Rock Hill, SC 29730**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "IG-500/IG-600 Storm Front" Outswing Aluminum Storefront Door – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **08-00860**, titled "Series IG500/IG600 Storm Front OS Aluminum Storefront Door System - LMI" Sheets 1 through 14 of 14, dated 09/16/09 with revision A dated 01/15/10, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 09-1015.04**  
**Expiration Date: March 17, 2015**  
**Approval Date: March 17, 2010**  
**Page 1**

**United States Aluminum Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-00860**, titled "Series IG500/IG600 Storm Front OS Aluminum Storefront Door System – LMI" Sheets 1 through 14 of 14, dated 09/16/09 with revision A dated 01/15/10, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4) Large Missile Impact Test, TAS PA 201-94  
5) Cyclic Loading Test, per FBC TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with installation diagram of aluminum storefront system and storefront door system, marked-up by American Test Lab, Inc. North, Test Report No. **ATLNC-0724.01-06**, dated 05-22/07, with addenda #1 and #2 dated 5/31/07 and 10/08/09 respectively, all signed and sealed by David Wesley Johnson, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 09/17/09 and revised on 2/2/10, prepared, signed and sealed by Luis R. Lomas, P.E.  
**Complies with ASTM E1300-02/04**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

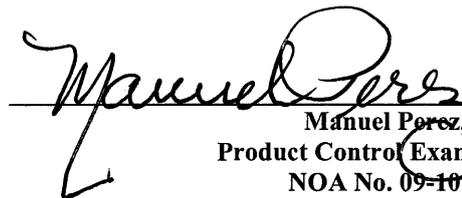
1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.

**F. STATEMENTS**

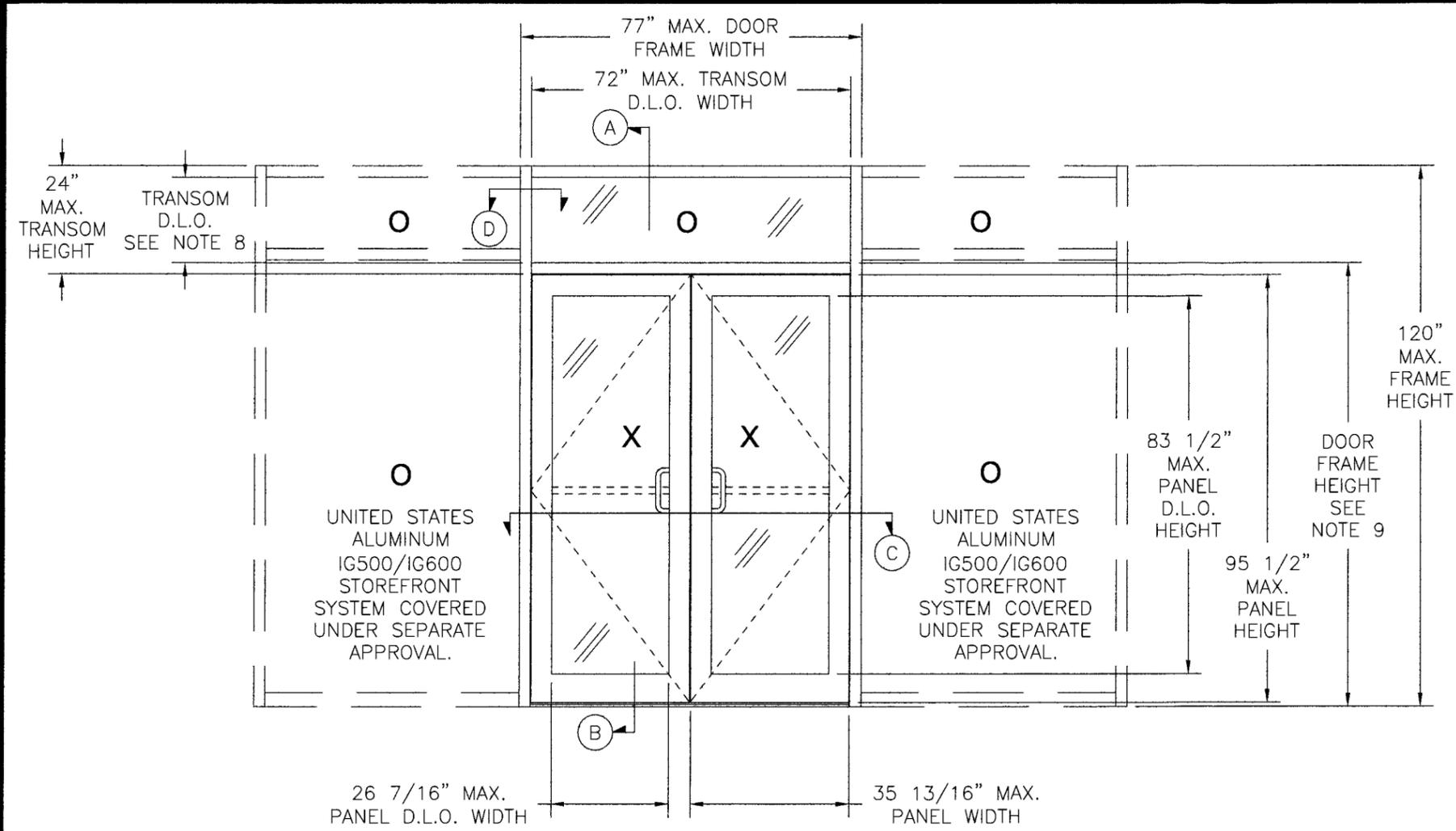
1. Statement letter of conformance and no financial interest, dated October 5, 2009, signed and sealed by Luis R. Lomas, P.E.

**G. OTHERS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 09-1015.04  
Expiration Date: March 17, 2015  
Approval Date: March 17, 2010

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
  - 2) WOOD FRAMING, STEEL 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) 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.
  - 4) FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T5 .080" THICK.
  - 5) UNITS MUST BE GLAZED WITH 1 5/16" IGU CONSISTING OF: 1/4" HS EXTERIOR PANEL - AIR - LAMINATED INTERIOR PANEL CONSISTING OF 1/4" HS - .090 DUPONT SGP - 1/4" HS OR 9/16" LAMINATED CONSISTING OF: 1/4" HS - .090 DUPONT SGP - 1/4" HS PER ASTM E1300. THIS IS A DRY GLAZED SYSTEM.
  - 6) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS ON INSTALLATIONS UP TO 30' ABOVE GRADE.
  - 7) DOORS MAY BE LEFT HAND OUTSWING OR RIGHT HAND OUTSWING.
  - 8) MAXIMUM TRANSOM D.L.O.:  
SERIES IG500: 18 1/16"  
SERIES IG600: 19"
  - 9) MAXIMUM DOOR FRAME HEIGHT.:  
SERIES IG500: 99 7/16"  
SERIES IG600: 98 1/2"
  - 9) 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	LARGE MISSILE IMPACT

UNITS INSTALLED WITH AIR SILL, ITEM #7

DESIGN PRESSURE RATING	IMPACT RATING
±65PSF	LARGE MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

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SHEET NO.	DESCRIPTION
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2	ADDITIONAL APPROVED CONFIGURATIONS
3	ANCHORING LAYOUT AND NOTES
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7 - 10	INSTALLATION DETAILS
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14	PANEL AND FRAME ASSEMBLY DETAILS

Approved as complying with the Florida Building Code  
 Date MARCH 17, 2010  
 NOA# 09-1015-04  
 Miami Dade Product Control  
 By *Manuel Perez*

**UNITED STATES ALUMINUM**  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

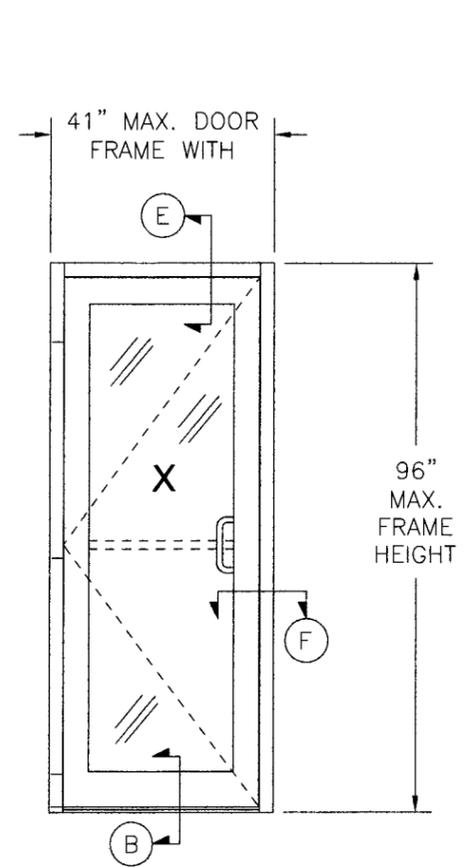
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI  
 ELEVATION AND NOTES

DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 1 OF 14

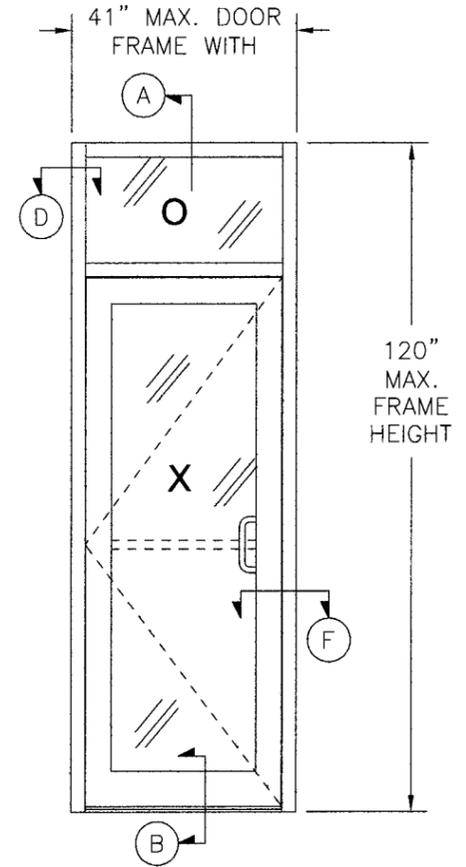
*Luis R. Lomas*  
 e/2/10

Luis R. Lomas P.E.  
 Florida No. 62514

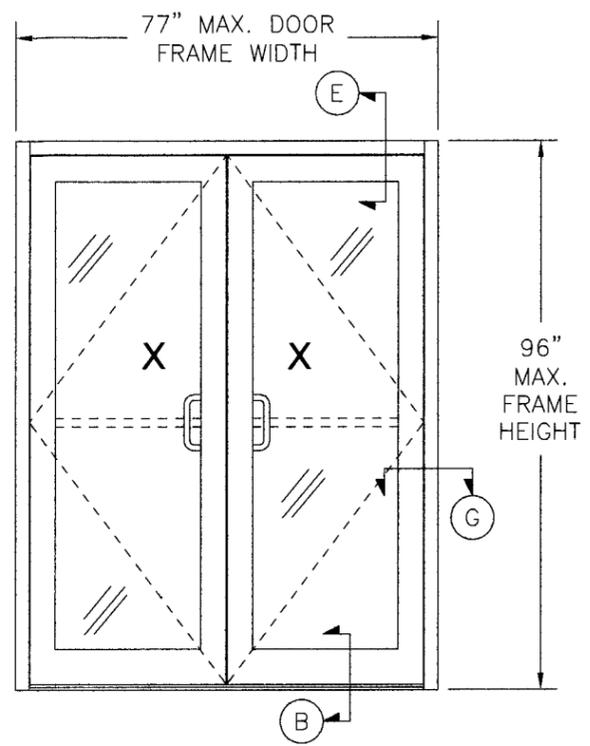
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



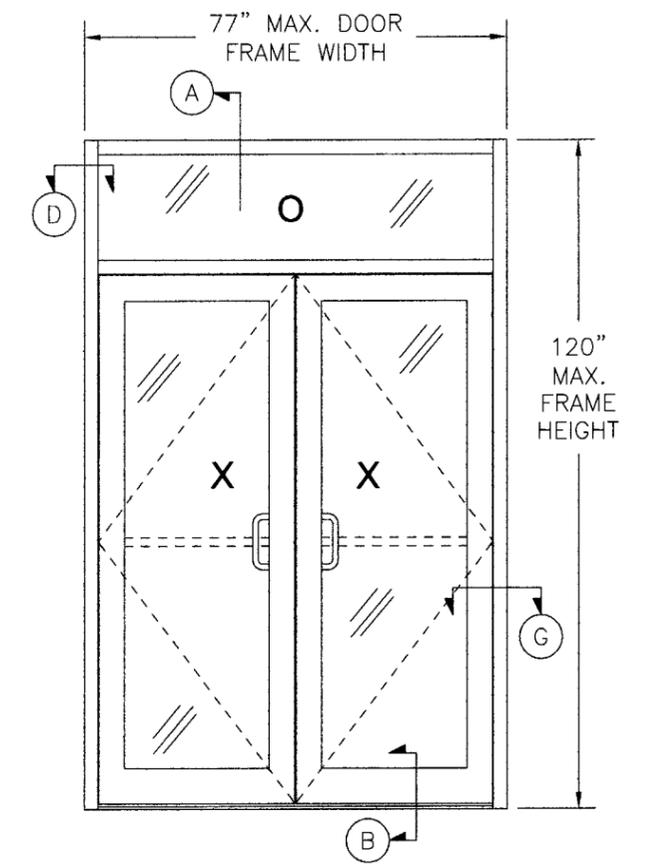
SINGLE



SINGLE W/TRANSOM



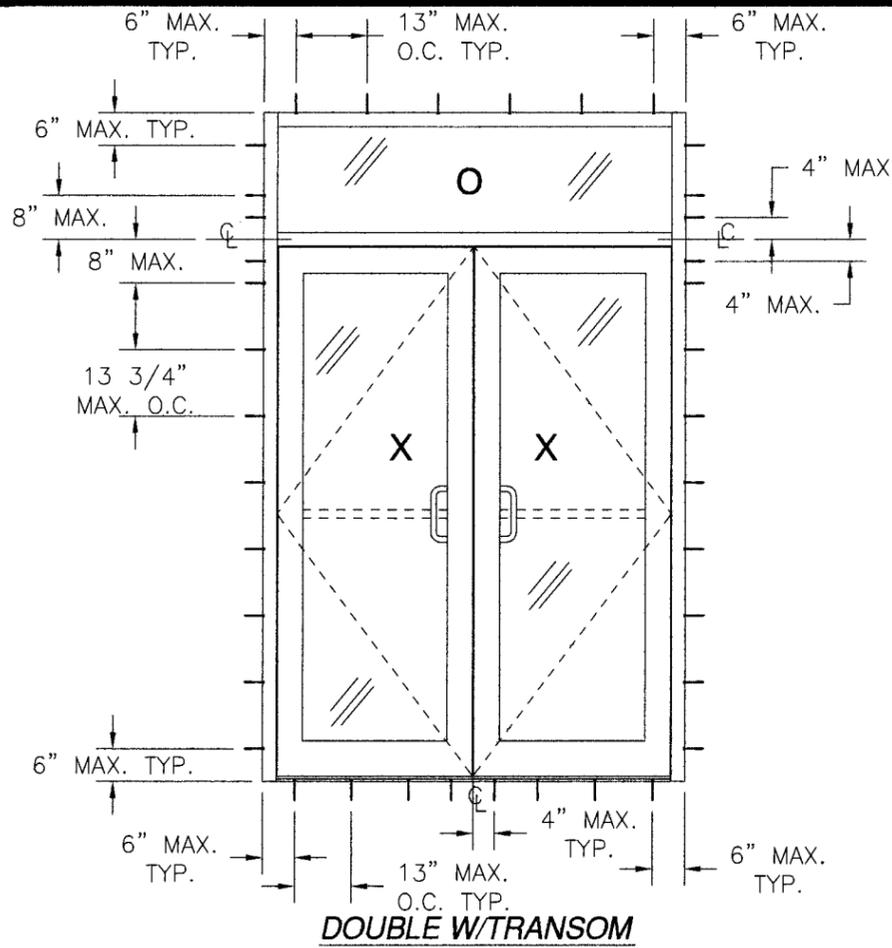
DOUBLE



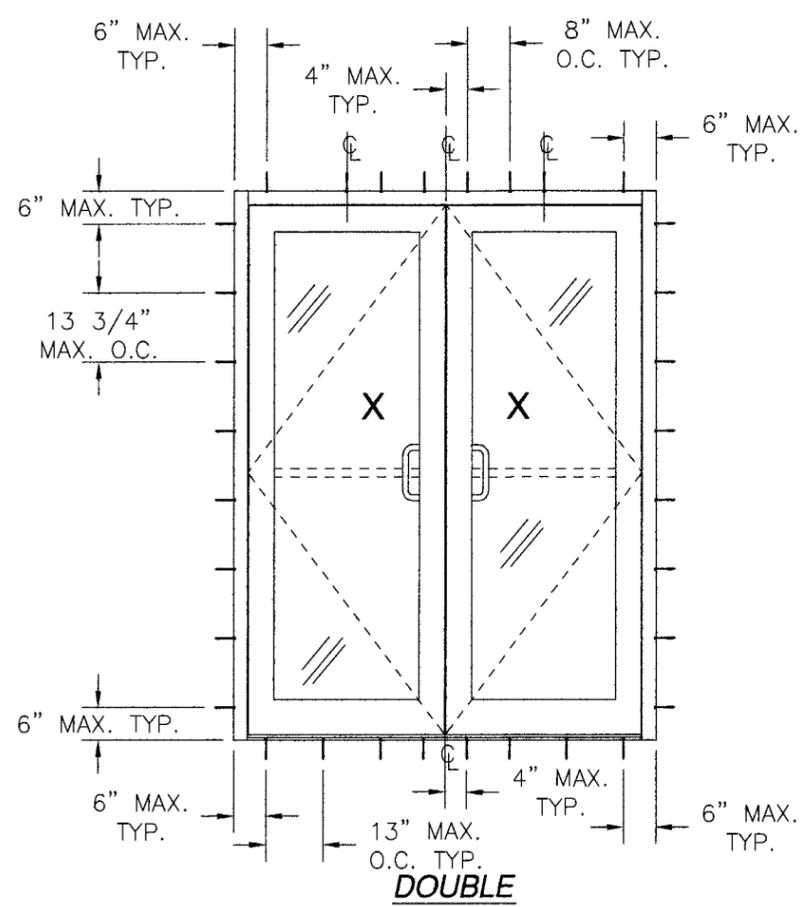
DOUBLE W/TRANSOM

HARDWARE SCHEDULE	
A.	JACKSON 1285 LOCKS
B.	LCN 4111 CLOSER
C.	JACKSON 1285 PANIC BAR
D.	LCN 1461 SURFACE CLOSER
E.	JACKSON 20-330 OHCC CLOSER
F.	LCN 2030 CLOSER
G.	ADAMS RITE G86 PANIC BAR
H.	IVES FLUSH BOLTS
I.	CR LAWRENCE SURFACE CLOSER
J.	US ALUMINUM FLUSH BOLTS
K.	(3) 1 1/2" HAGER BUTT HINGES

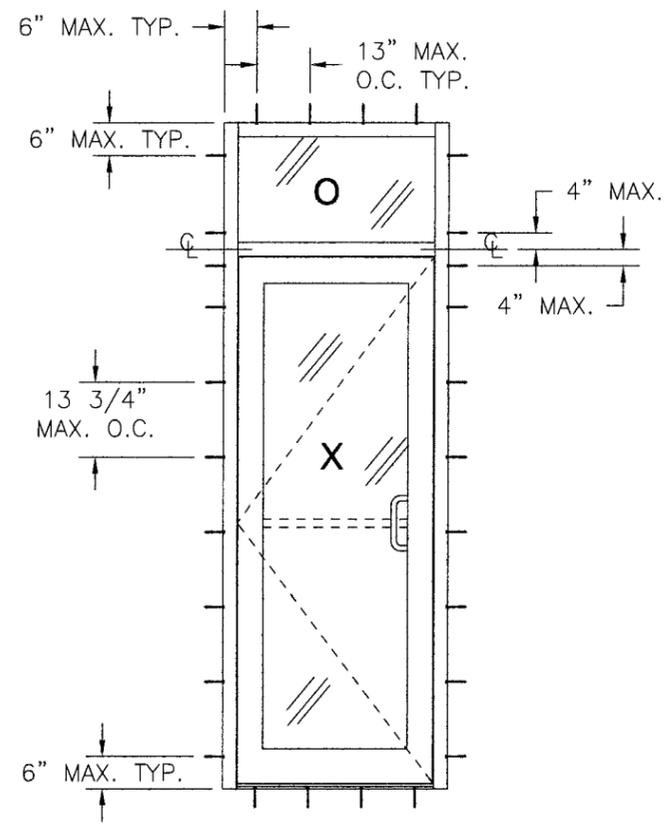
<p>Approved as complying with the Florida Building Code  Date: <b>MARCH 17, 2010</b>  By: <b>09-1013.04</b>  Manual Date Product Control  By: <i>Manuel Perez</i></p>	<b>UNITED STATES ALUMINUM</b> 720 CEL-RIVER ROAD ROCK HILL, SC 29730		  Luis R. Lomas P.E. Florida No. 62514	
	SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI ADDITIONAL APPROVED CONFIGURATIONS			
	DRAWN: TJH	DWG NO. 08-00860		REV A
	SCALE NTS	DATE 09/16/09		SHEET 2 OF 14



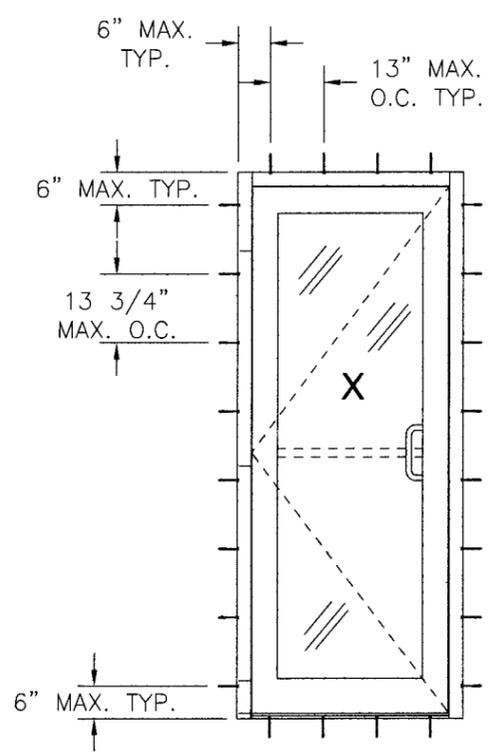
**DOUBLE W/TRANSOM**



**DOUBLE**



**SINGLE W/TRANSOM**



**SINGLE**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.

- 1) 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".
- 2) FOR ANCHORING HEAD AND AIR SILL TO CONCRETE USE 1/4" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE.
- 3) FOR ANCHORING WATER THRESHOLD INTO CONCRETE USE 3/8" POWER-BOLT ANCHORS WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 4 1/2" MINIMUM EDGE DISTANCE.
- 4) FOR ANCHORING 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 1/2" MINIMUM EDGE DISTANCE.
- 5) FOR ANCHORING HEAD AND JAMBS INTO WOOD FRAME USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE.
- 6) FOR ANCHORING HEAD AND JAMBS INTO STEEL FRAME USE #14 TEK SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM EMBEDMENT BEYOND STEEL FRAMING.
- 7) FOR ANCHORING SILL INTO STEEL FRAME USE 3/8" SELF TAPPING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM EMBEDMENT BEYOND STEEL FRAMING.
- 8) ALL FASTENERS TO BE CORROSION RESISTANT.
- 9) 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 - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. STEEL FRAMING - 16GA. (.063") MINIMUM STEEL STUD.
- 10) ALL DISSIMILAR MATERIALS MUST BE SEPARATED PER STANDARD INSTALLATION PRACTICES.

Approved as complying with the Florida Building Code  
 Date: March 17, 2010  
 By: Manuel Perez

**UNITED STATES ALUMINUM**  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM - LMI  
 ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 3 OF 14

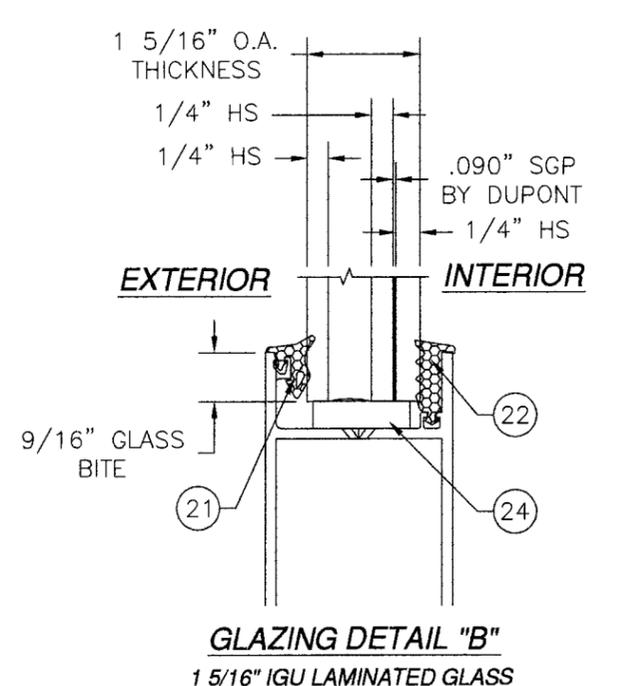
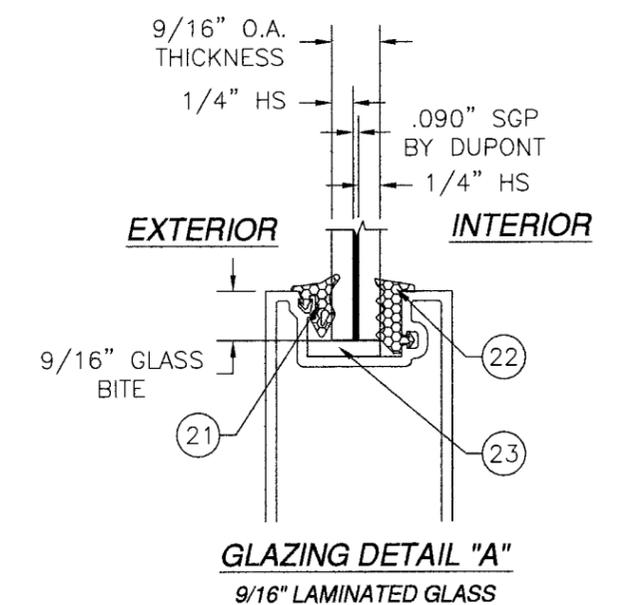
*Luis R. Lomas*  
 e/l/10

Luis R. Lomas P.E.  
 Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	IG526	MAIN FRAME - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
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
4	IG677	HORIZONTAL MULL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
5	IG570	SUB-SILL	US ALUMINUM	ALUMINUM 6063-T5
6	TH800	WATER THRESHOLD	US ALUMINUM	ALUMINUM 6063-T5
7	TH811	AIR SILL	US ALUMINUM	ALUMINUM 6063-T5
8	IG524	FILLER VERTICAL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
9	IG624	FILLER VERTICAL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
10	IG563	STOP - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
11	IG663	STOP - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
12	IG100	FILLER JAMB/HEAD	US ALUMINUM	ALUMINUM 6063-T5
13	EC801	SUB-SILL END DAM	US ALUMINUM	A-245
14	IE402	TOP RAIL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
15	IE502	TOP RAIL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
16	IE050	DOOR GLASS STOP - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
17	IE150	DOOR GLASS STOP - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
18	IE401	BOTTOM RAIL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
19	IE501	BOTTOM RAIL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
20	NP801	DOOR WEATHERSTRIP	US ALUMINUM	
21	NP825	EXTERIOR GASKET	TREMCO	EDPM 70 DUROMETER
22	NP826	INTERIOR GASKET	TREMCO	EPDM SPONGE
23	SB916	SETTING BLOCK - 9/16" GLASS	US ALUMINUM	EPDM
24	SB917	SETTING BLOCK - 1 1/4" GLASS	US ALUMINUM	EPDM
25	ST266	#12 x 1" HWH SMS		
26	ST268	#12 x 3/4" HWH SMS		
27		LARGE MISSILE IMPACT GLASS		
28		8GA. STEEL STIFFENER HEAVY	US ALUMINUM	A36 MILD STEEL
29	WB600	W BLOCK .688" WIDE		
30	ST035	#10 x 5/8" FH SMS		
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
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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
41	IE450	LOCK STILE - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
42	IE550	LOCK STILE - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
43	IE460	LOCK STILE - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
44	IE560	LOCK STILE - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
45	NP802	DOOR WEATHERSTRIP	US ALUMINUM	
46	CB802	SHEAR CHANNEL	US ALUMINUM	ALUMINUM 6063-T5
47	1285	PANIC BAR	JACKSON	
48	G86	PANIC BAR	ADAMS RITE	
49	4111	CLOSER	LCN	
50	1461	SURFACE CLOSER	LCN	
51	20-330	OHCC CLOSER	JACKSON	
52	2030	OHCC CLOSER	LCN	
53	CL045	SURFACE CLOSER	CR LAWRENCE	
54		FLUSH BOLT	US ALUMINUM	
55		FLUSH BOLT	IVES	
56		STANDARD LOCK		
57		1 1/2" BUTT HINGE PAIR	HAGER	
58	CB801	2 3/8" CORNER BLOCK	US ALUMINUM	
59	ST197	#8 x 3/8" PH SMS		
60	DN350	LOCK STILE CAP	US ALUMINUM	ALUMINUM 6063-T5
61	IG200	DOOR STOP	US ALUMINUM	ALUMINUM 6063-T5
62	IG567	HORIZONTAL MULL - 9/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
63	IG667	HORIZONTAL MULL - 1 5/16" GLASS	US ALUMINUM	ALUMINUM 6063-T5
64	CB901	CORNER BLOCK	US ALUMINUM	
65		3/8" - 16 x 3" HH BOLT		
66	TC800	11GA. THRESHOLD CLIP	US ALUMINUM	COLD ROLLED STEEL
67		#12-24 x 1/4" SCREW		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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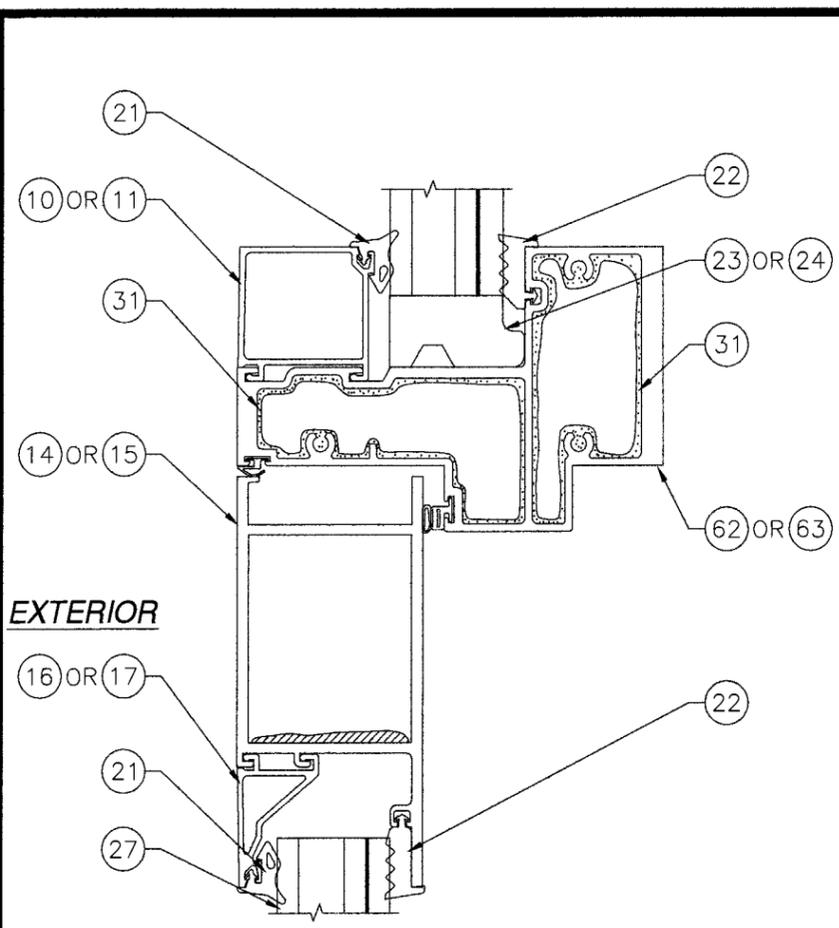
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 Date: MARCH 17, 2010  
 No. 09-1015-04  
 Miami Dade Product Control  
 By: *Manuel Perez*

**UNITED STATES ALUMINUM**  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

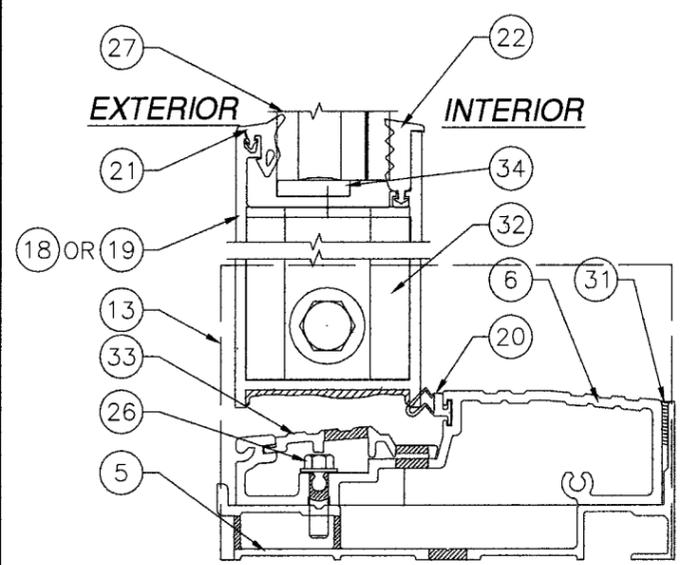
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM - LMI  
 BILL OF MATERIALS AND GLAZING DETAILS

DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 4 OF 14

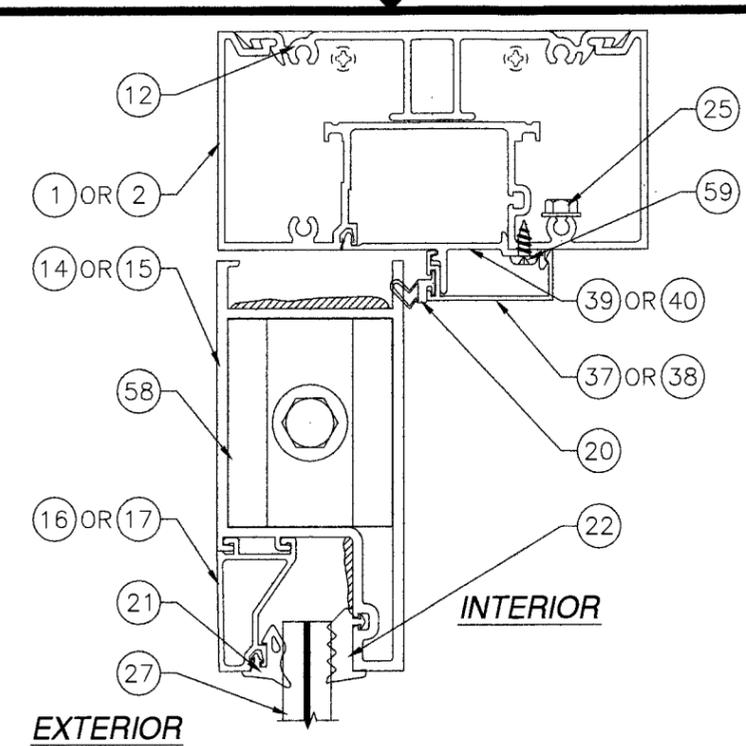
*Luis R. Lomas*  
 Luis R. Lomas P.E.  
 Florida No. 62514



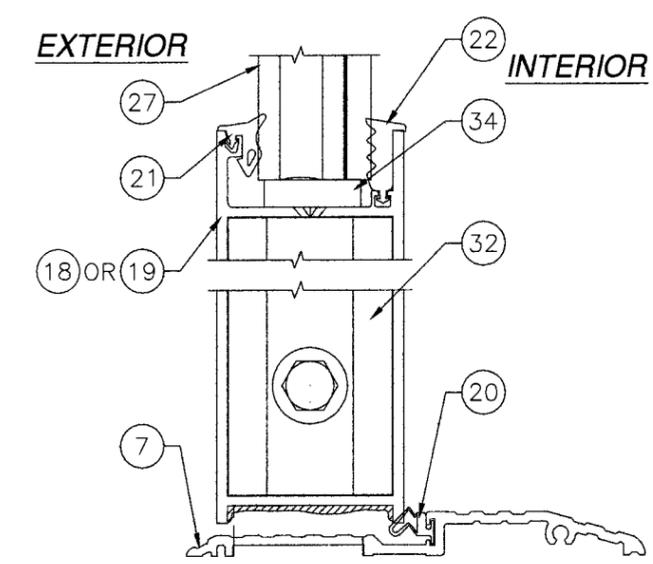
**H** OPTIONAL DOOR HEADER AND TRANSOM



**B** DOOR WITH WATER THRESHOLD

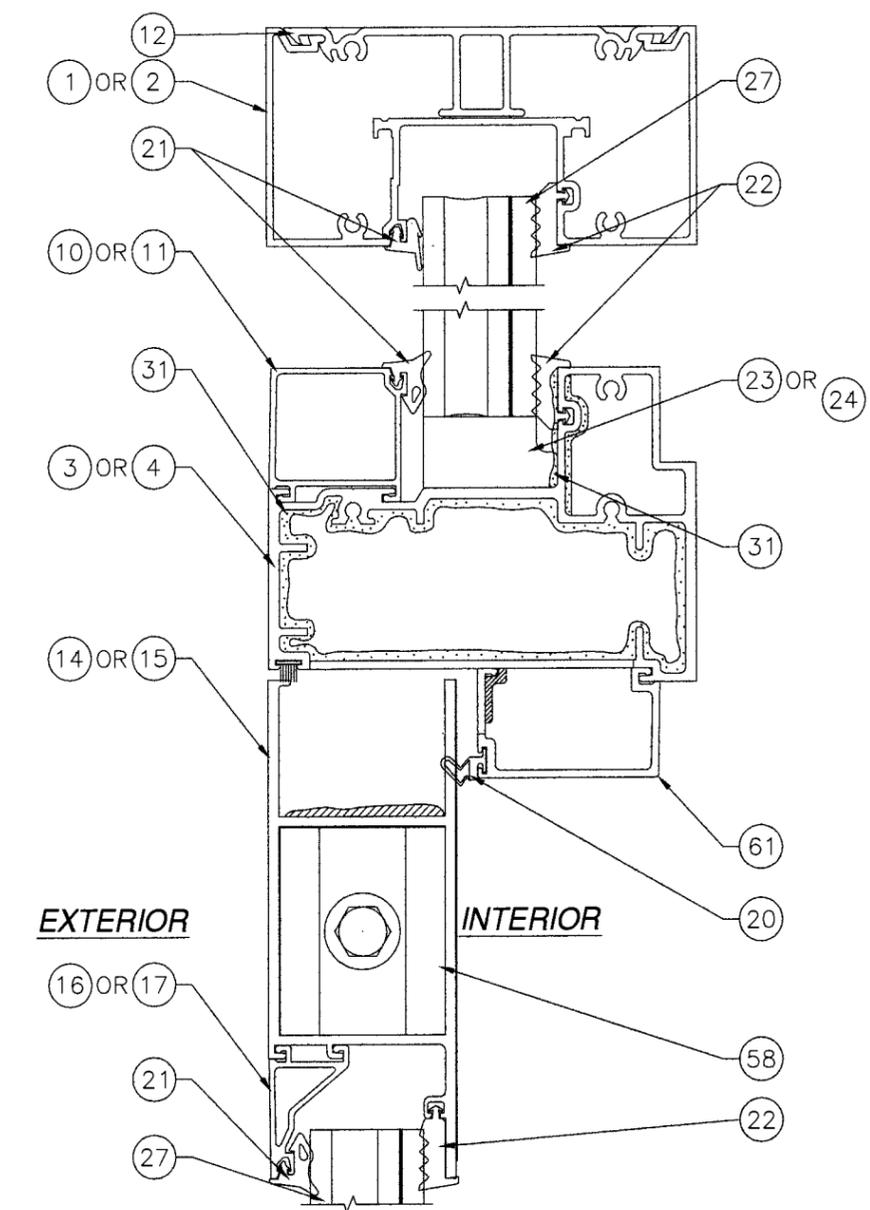


**E** DOOR HEADER



**B** DOOR WITH AIR SILL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



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

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

Approved as complying with the Florida Building Code  
 Date: MSRCH 17 2010  
 NCAC: 09-1015.04  
 Minimal Data Product Control  
 By: Manuel Perez

**UNITED STATES ALUMINUM**  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

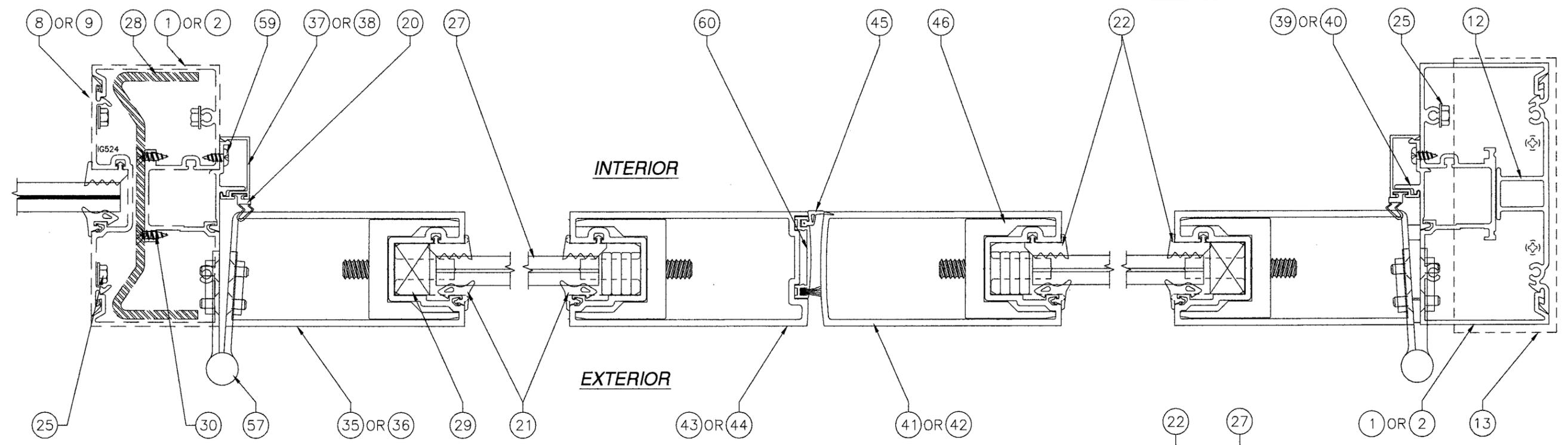
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM - LMI  
 CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 5 OF 14

*Luis R. Lomas*  
 2/2/10

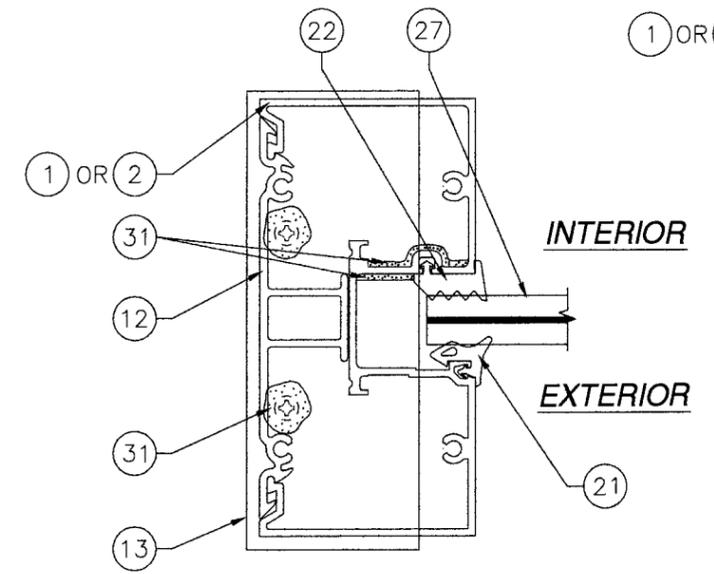
Luis R. Lomas P.E.  
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



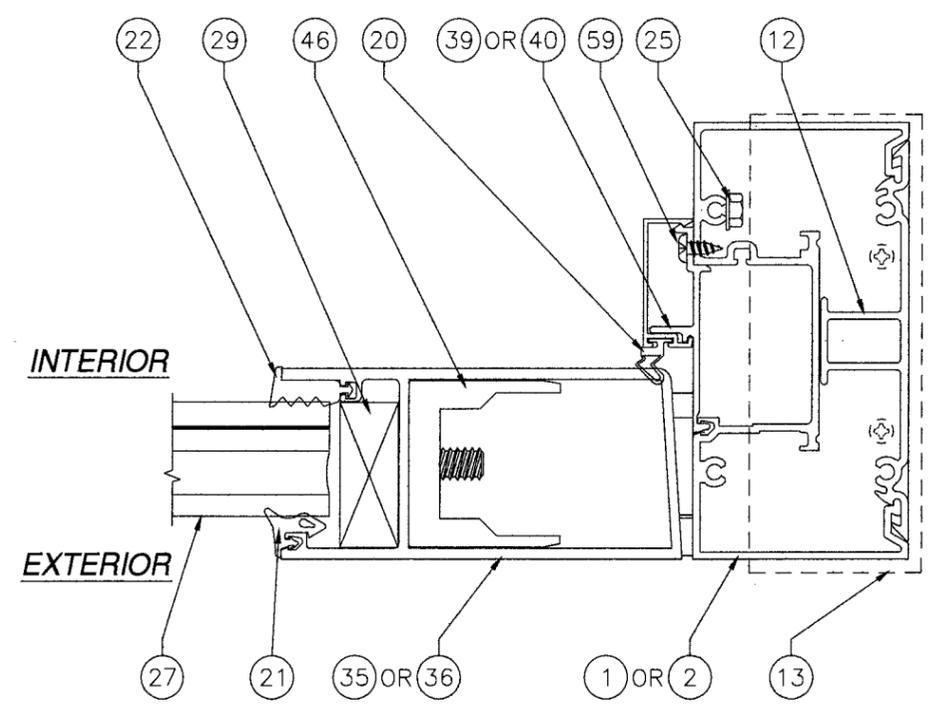
(C) DOUBLE DOOR

MULLION ASSEMBLY PROPERTIES  
 TOTAL Ix (IN TERMS OF ALUMINUM): 16.754 in<sup>4</sup>  
 Sx ALUMINUM: 2.115 in<sup>3</sup>  
 Sx STEEL: 4.889 in<sup>3</sup>



(D) TRANSOM JAMB

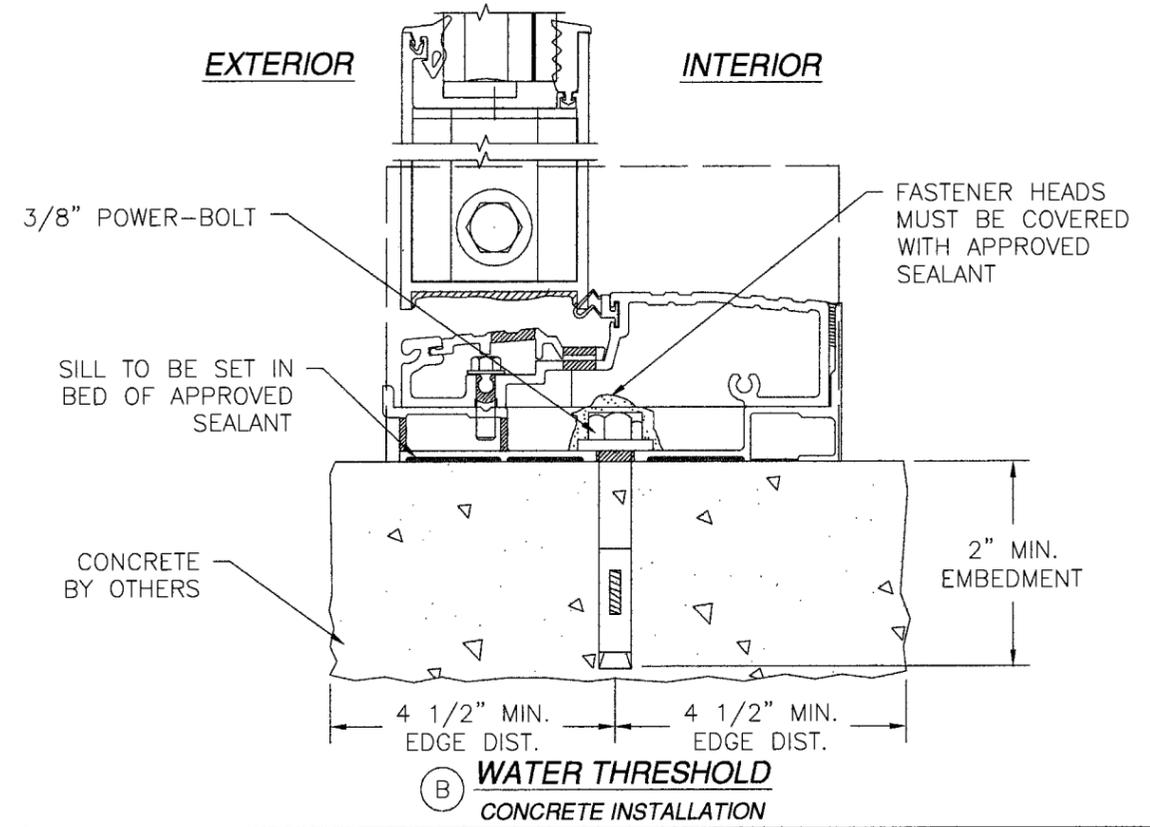
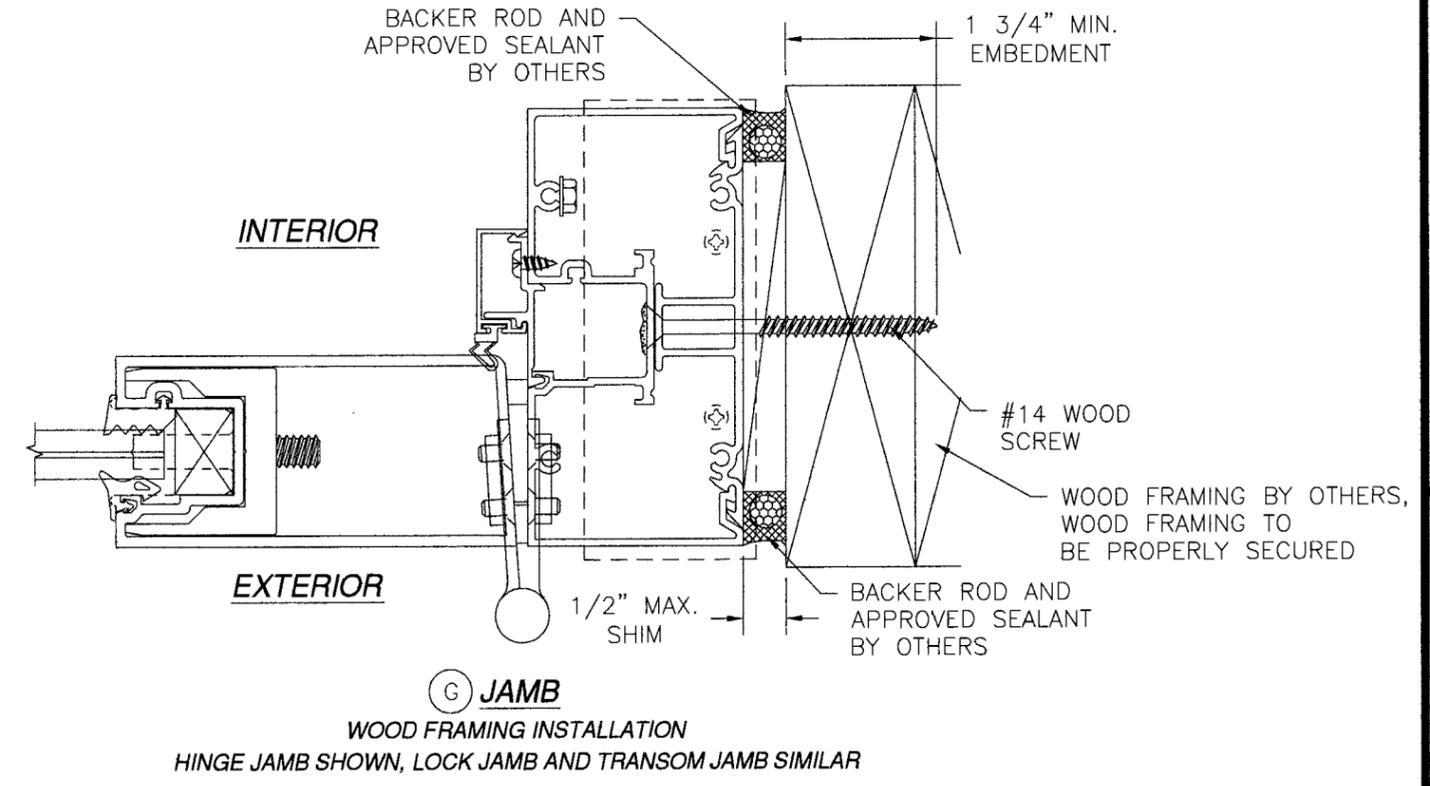
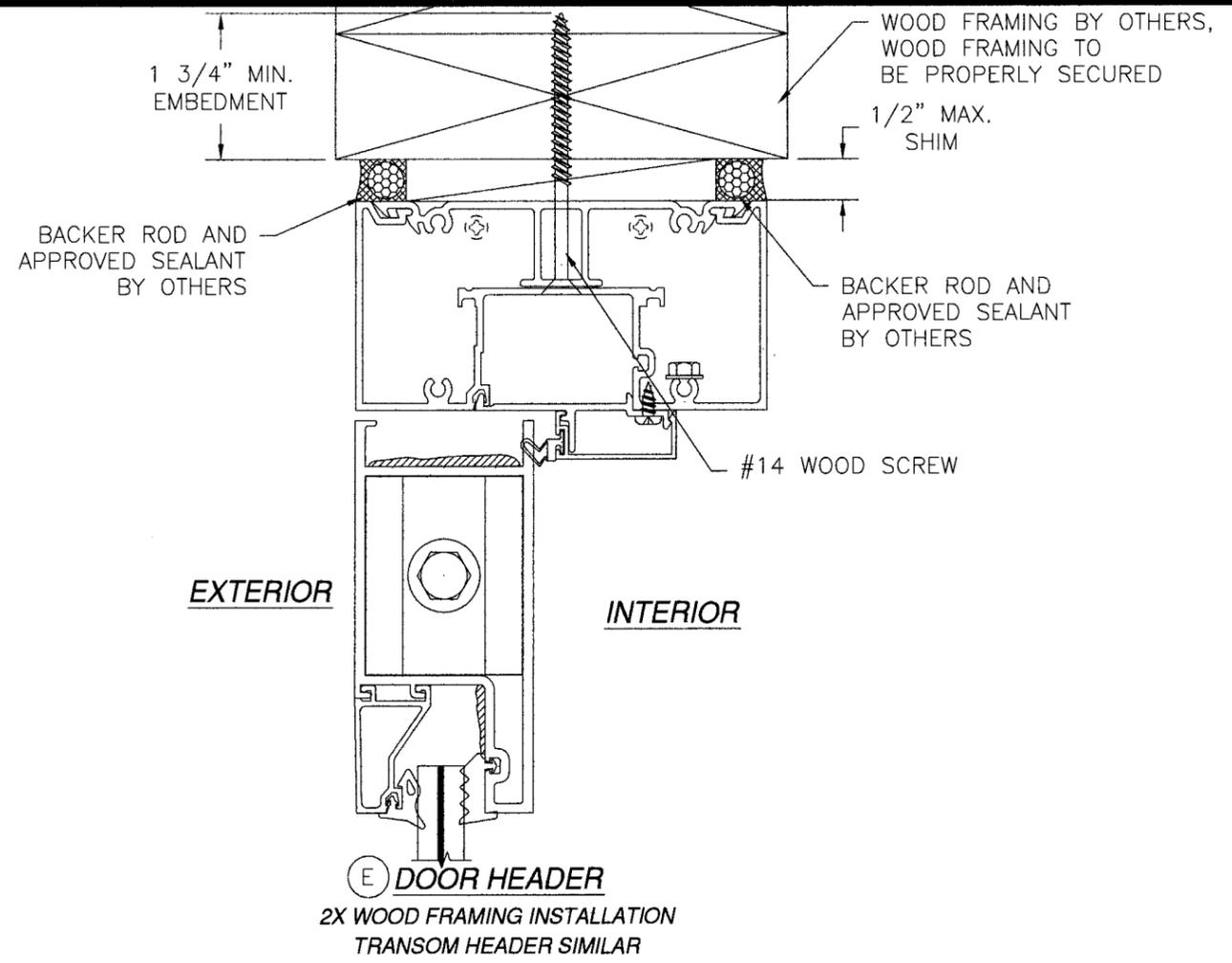
NOTE: FOR ANCHORING TO SUBSTRATE SEE SHEETS 7 THRU 10.



(F) LOCK STILE TO JAMB

Approved as complying with the Florida Building Code Date: <u>MARCH 17, 2010</u> No. <u>09-1015-04</u> Material Used: Product Control By: <i>Manuel Perez</i>		<b>UNITED STATES ALUMINUM</b> 720 CEL-RIVER ROAD ROCK HILL, SC 29730		 e/e/10	
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI CROSS SECTIONS		DRAWN: TJH	DWG NO. 08-00860		REV A
SCALE NTS	DATE 09/16/09	SHEET 6 OF 14			Luis R. Lomas P.E. Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



Approved as complying with the Florida Building Code  
 MARCH 17, 2010  
 09-1015-04  
 Manual

**UNITED STATES ALUMINUM**  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

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

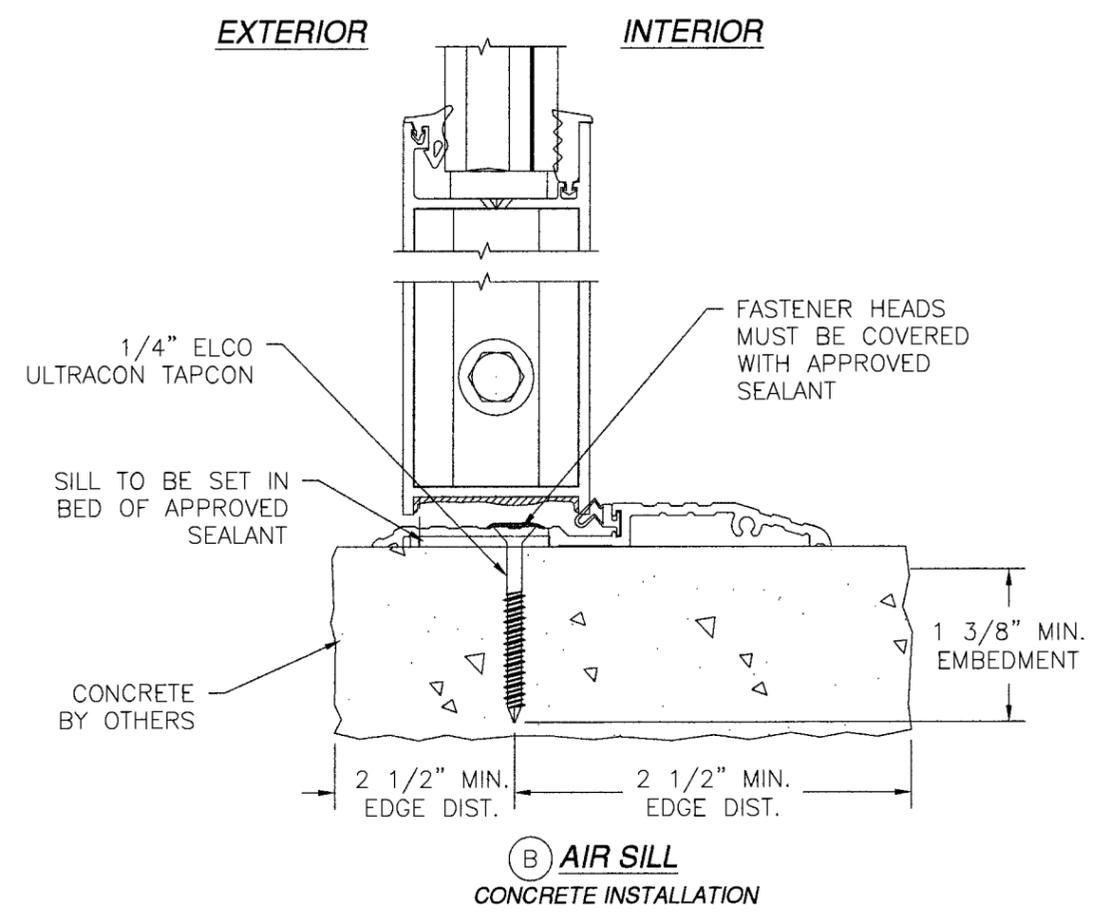
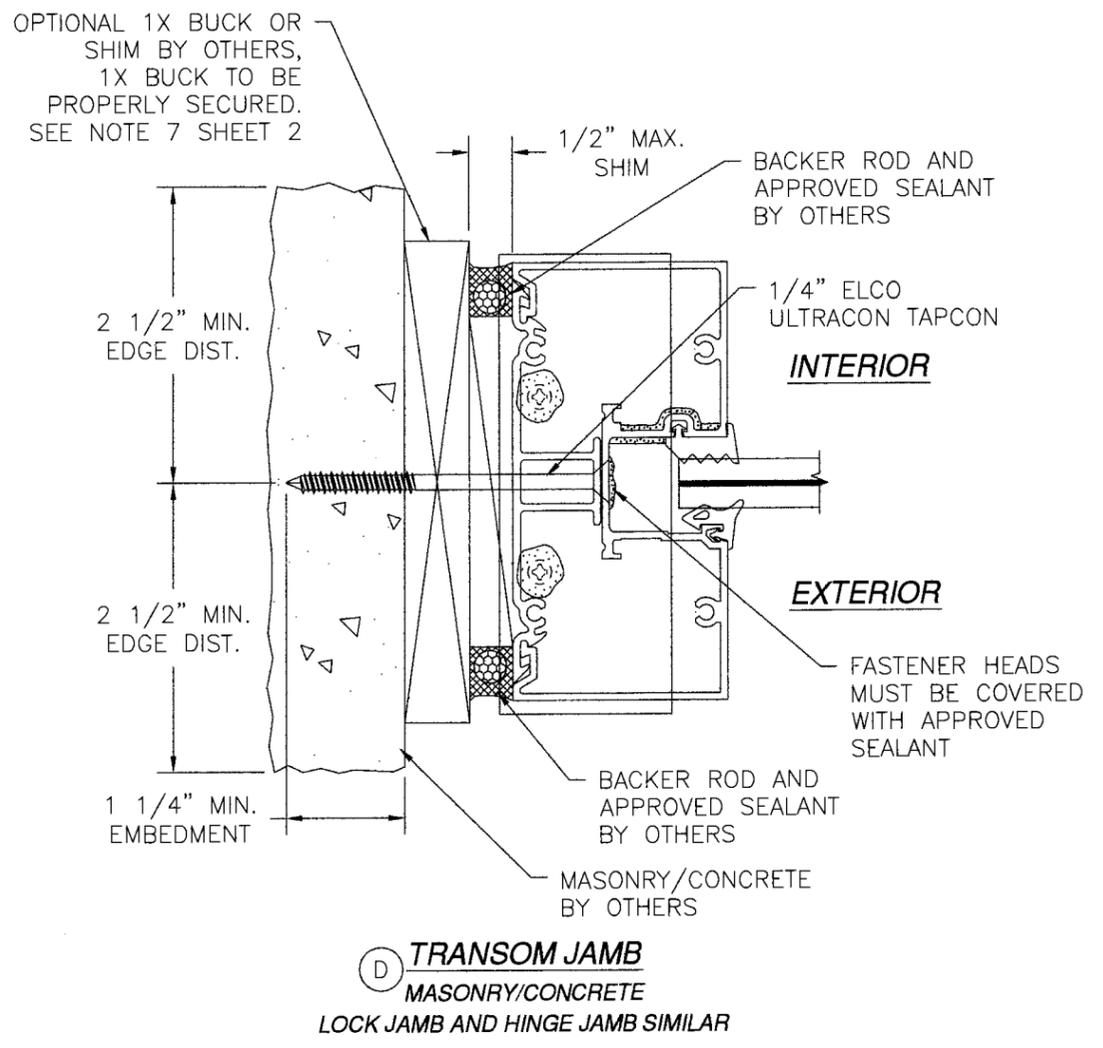
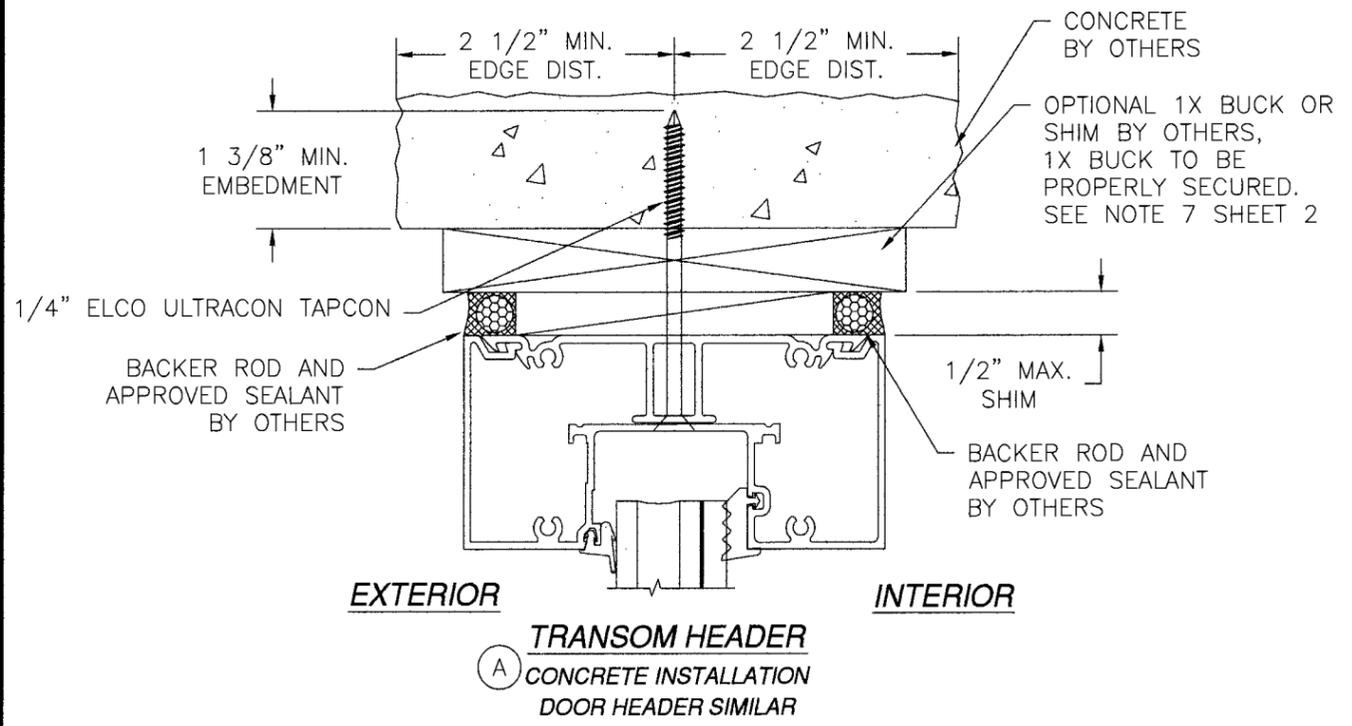
DRAWN: TJH      DWG NO. 08-00860      REV A

SCALE NTS      DATE 09/16/09      SHEET 7 OF 14

*Luis R. Lomas*  
 2/2/10

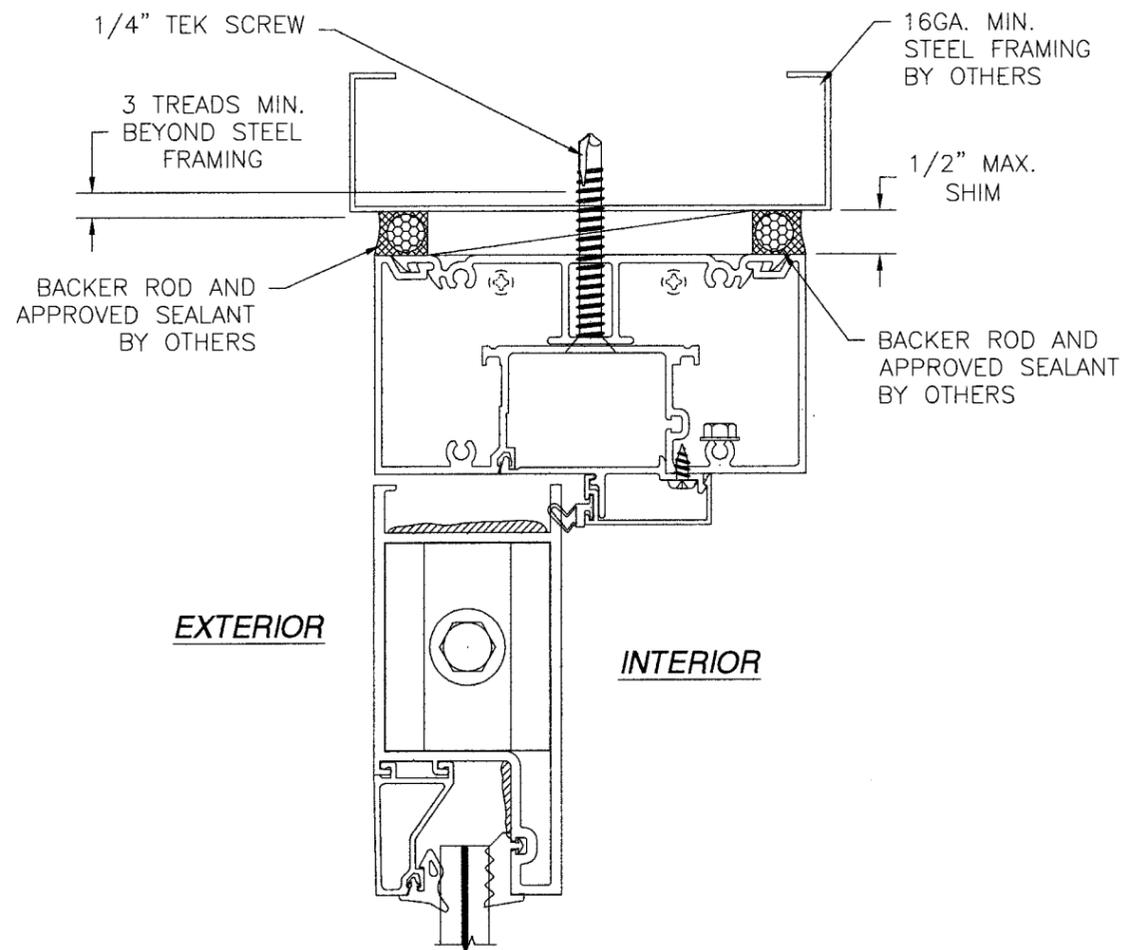
Luis R. Lomas P.E.  
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.

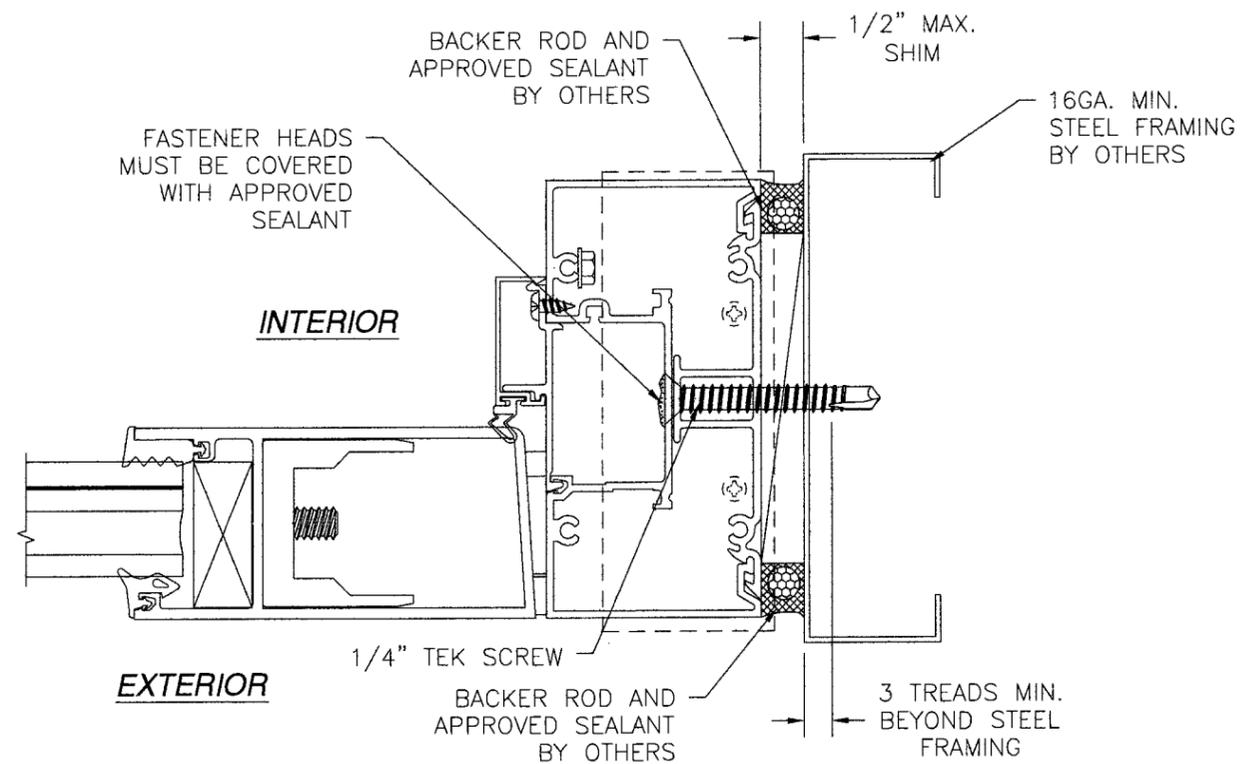


<small>Approved as complying with the Florida Building Code  Date: <b>MARCH 17, 2010</b>  NO. <b>01-1015.04</b>  Federal Trade Product Control  By: <i>Manuel Perez</i></small>	<b>UNITED STATES ALUMINUM</b> 720 CEL-RIVER ROAD ROCK HILL, SC 29730		 Luis R. Lomas P.E. Florida No. 62514
	<b>SERIES IG500/IG600 STORM FRONT OS ALUMINUM  STOREFRONT DOOR SYSTEM - LMI  INSTALLATION DETAILS</b>		
	DRAWN: TJH	DWG NO. 08-00860	
SCALE NTS	DATE 09/16/09	SHEET 8 OF 14	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



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



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

Approved as complying with the Florida Building Code  
 Date: **MARCH 17, 2010**  
 Project: **09-1015.04**  
 Prepared By: *Manuel Ferraz*

UNITED STATES ALUMINUM  
 720 CEL-RIVER ROAD  
 ROCK HILL, SC 29730

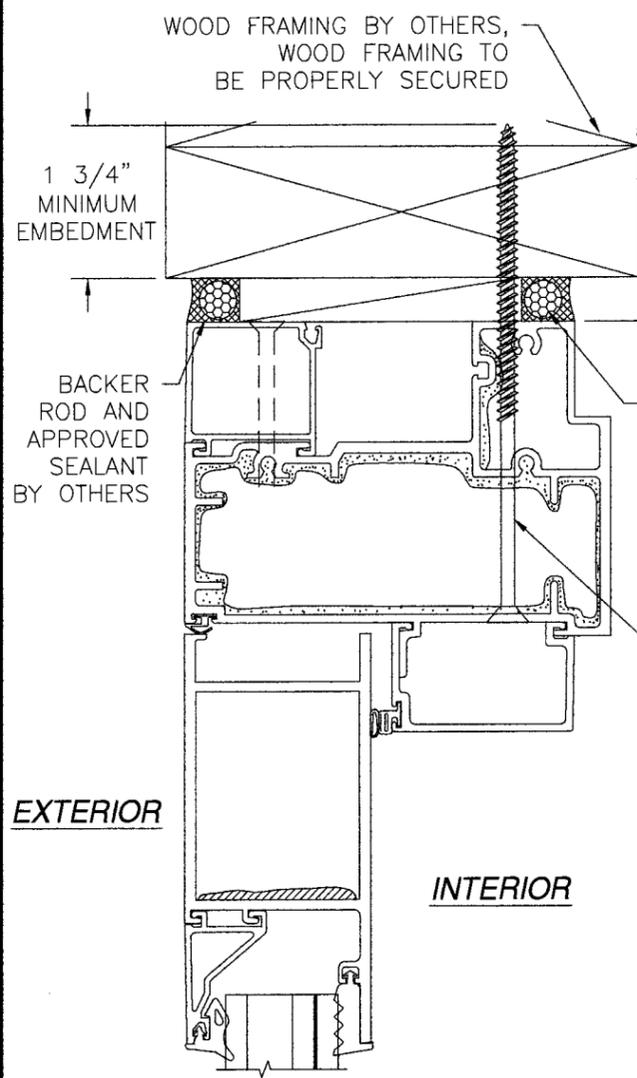
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
 STOREFRONT DOOR SYSTEM - LMI  
 INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 9 OF 14

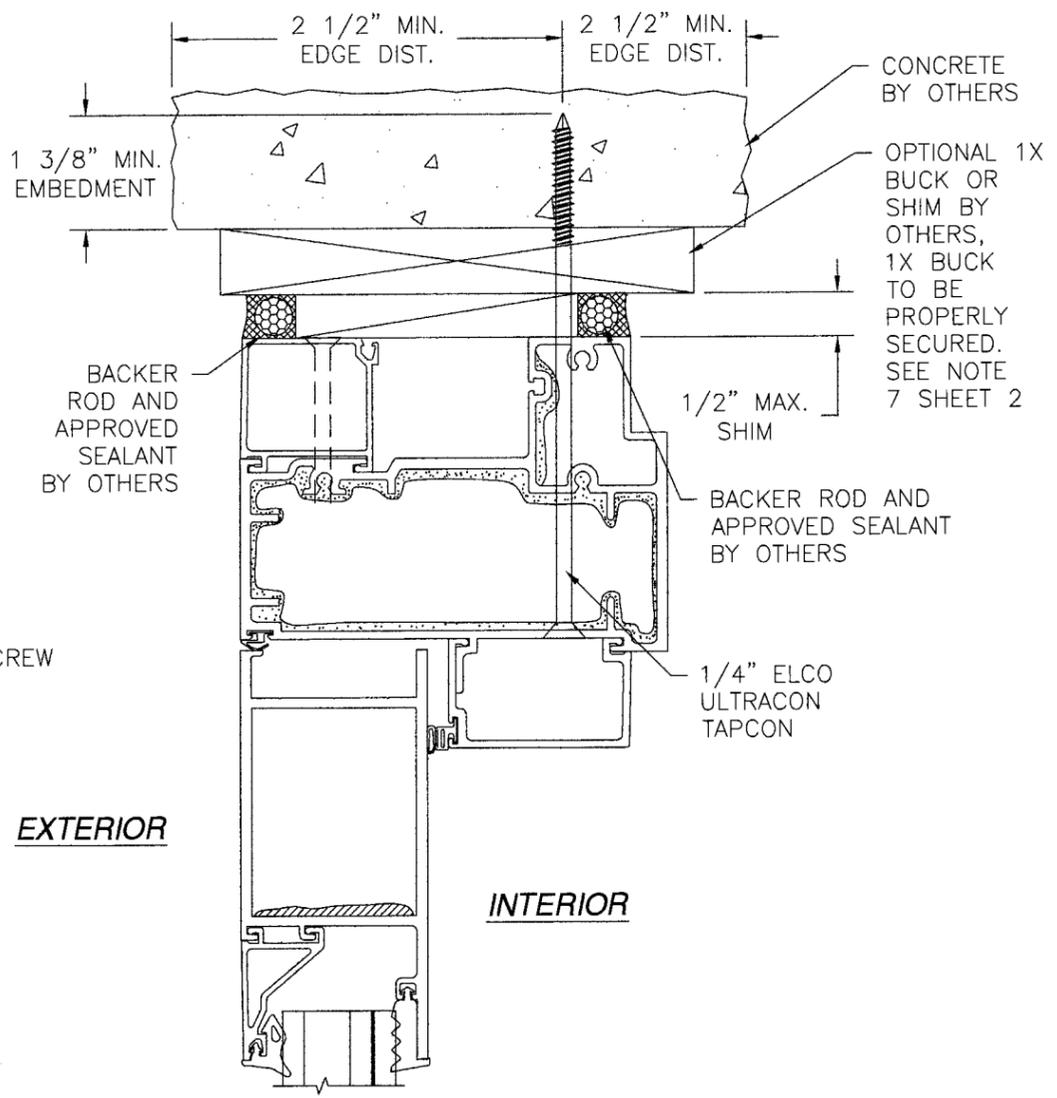
*Luis R. Lomas*  
 e/e/10

Luis R. Lomas P.E.  
 Florida No. 62514

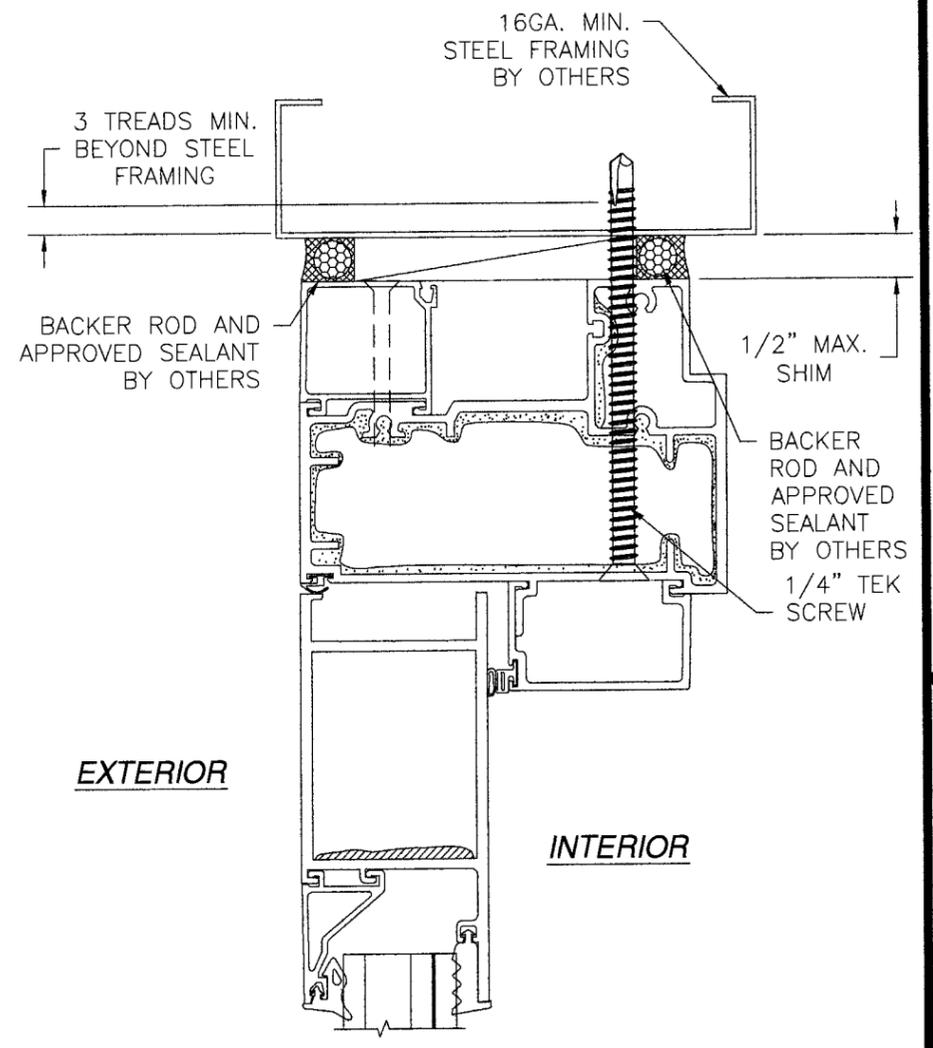
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



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



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

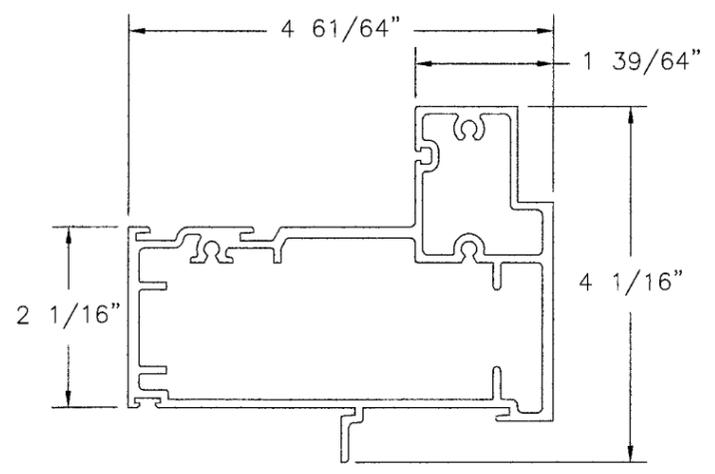


(E) **OPTIONAL DOOR HEADER**  
STEEL FRAMING INSTALLATION

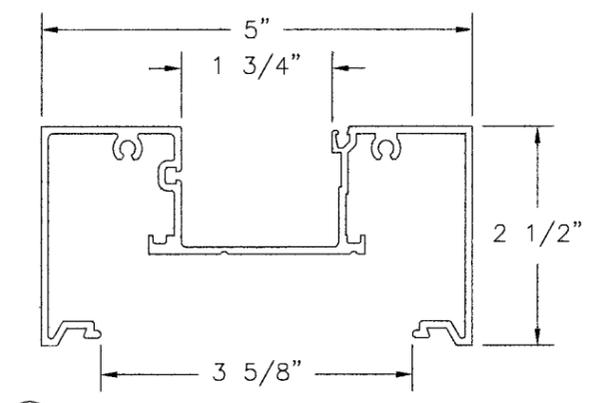
UNITED STATES ALUMINUM 720 CEL-RIVER ROAD ROCK HILL, SC 29730			 e/e/10
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI INSTALLATION DETAILS			
DRAWN: TJH	DWG NO. 08-00860	REV A	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 09/16/09	SHEET 10 OF 14	

Approved as complying with the Florida Building Code  
 Date **MARCH 17, 2010**  
 09-1015.04  
 By *Manuel Perez*

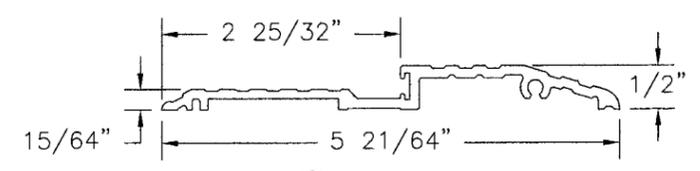
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



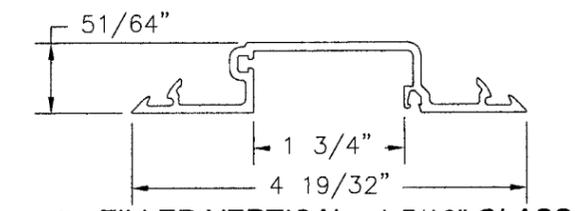
④ **HORIZONTAL MULL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



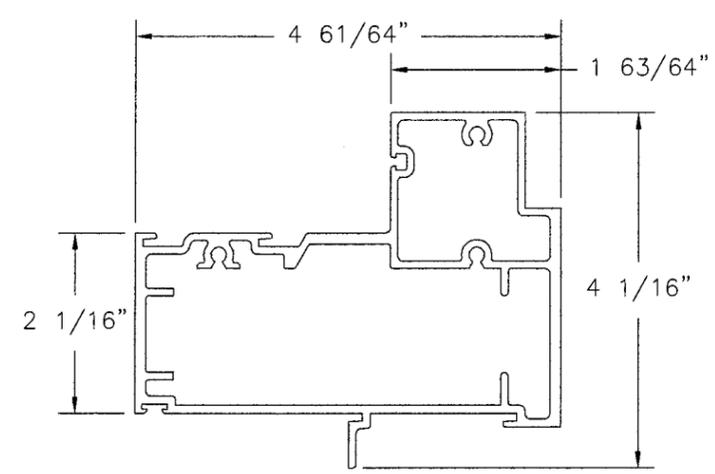
② **MAIN FRAME - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



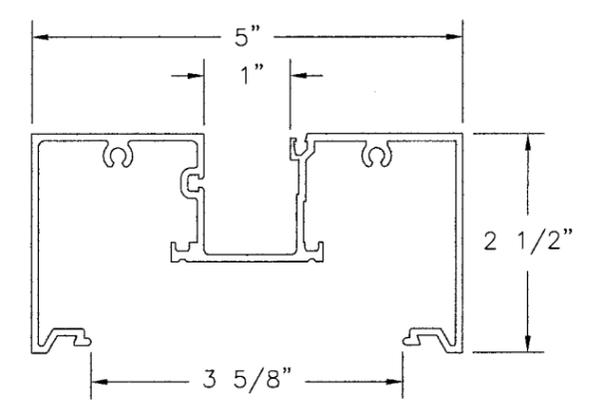
⑦ **AIR SILL**  
EXTRUDED ALUMINUM 6063-T5 .109" THICK



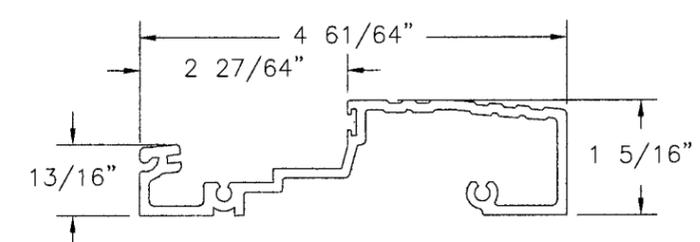
⑨ **FILLER VERTICAL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .095" THICK



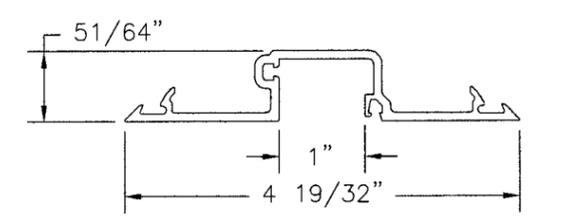
③ **HORIZONTAL MULL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



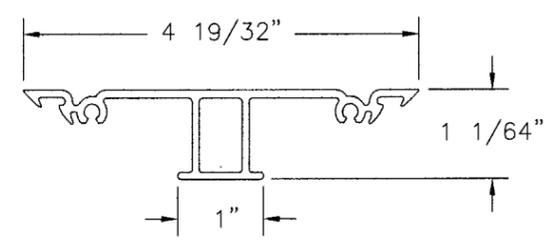
① **MAIN FRAME - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



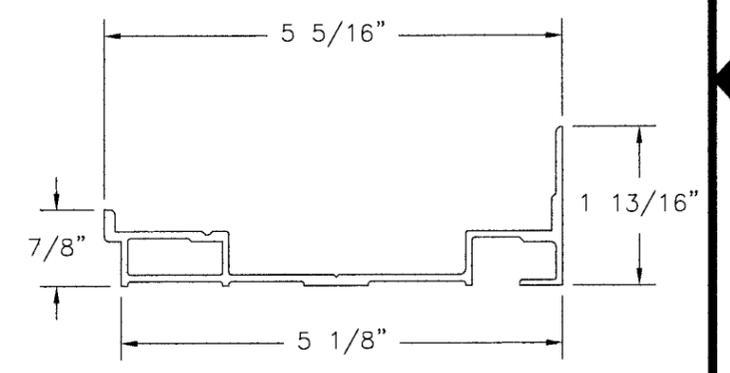
⑥ **WATER THRESHOLD**  
EXTRUDED ALUMINUM 6063-T5 .109" THICK



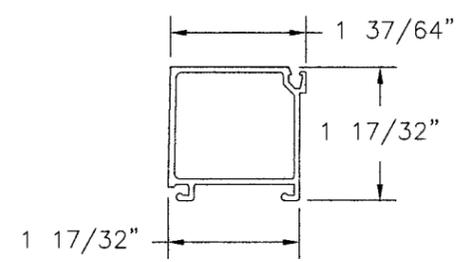
⑧ **FILLER VERTICAL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .095" THICK



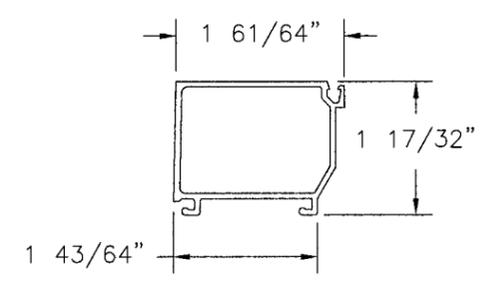
⑫ **FILLER JAMB/HEAD**  
EXTRUDED ALUMINUM 6063-T5 .080" THICK



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



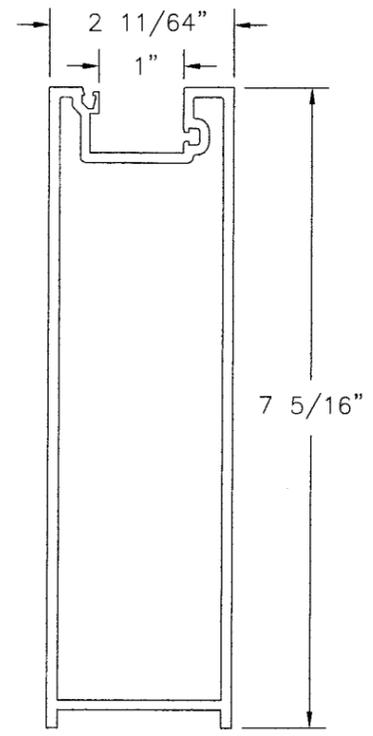
⑪ **STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



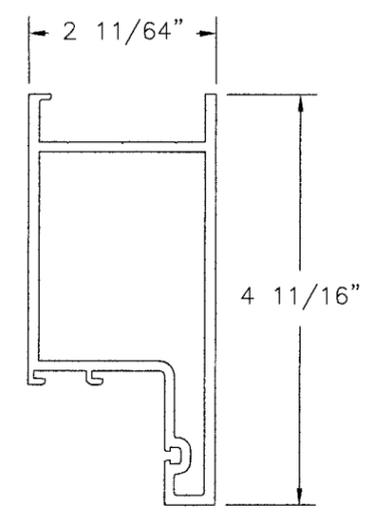
⑩ **STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK

Approved as complying with the <b>MARCH 17, 2010</b> <b>09-1015.04</b> By: <i>Manuel Perez</i>	<b>UNITED STATES ALUMINUM</b> 720 CEL-RIVER ROAD ROCK HILL, SC 29730		<i>Luis R. Lomas</i>  Luis R. Lomas P.E. Florida No. 62514	
	SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI COMPONENTS			
	DRAWN: TJH	DWG NO. 08-00860		REV A
	SCALE NTS	DATE 09/16/09		SHEET 11 OF 14

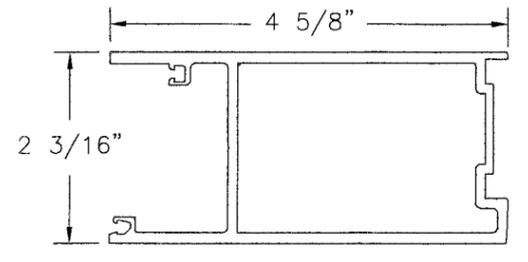
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



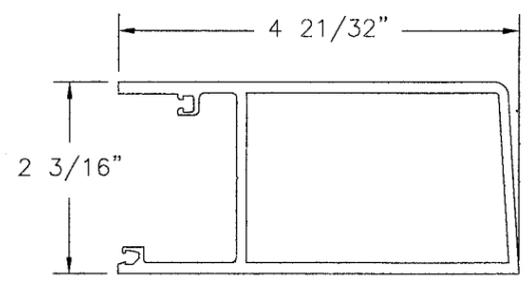
⑱ **BOTTOM RAIL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



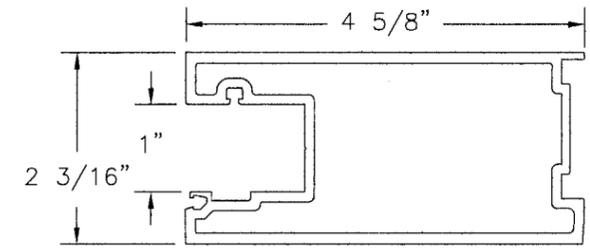
⑭ **TOP RAIL - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



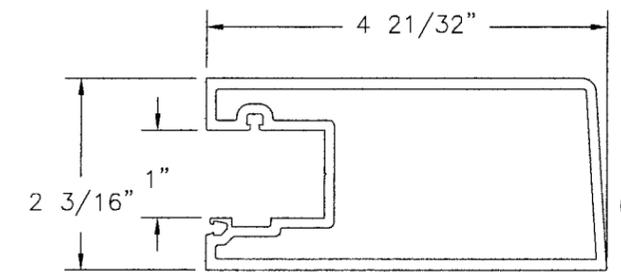
④④ **LOCK STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



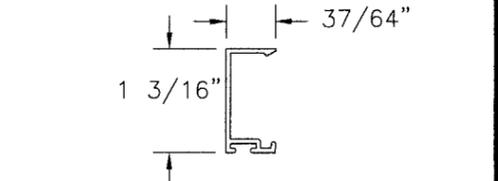
③⑥ **PLAIN STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



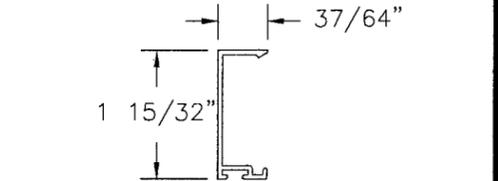
④③ **LOCK STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



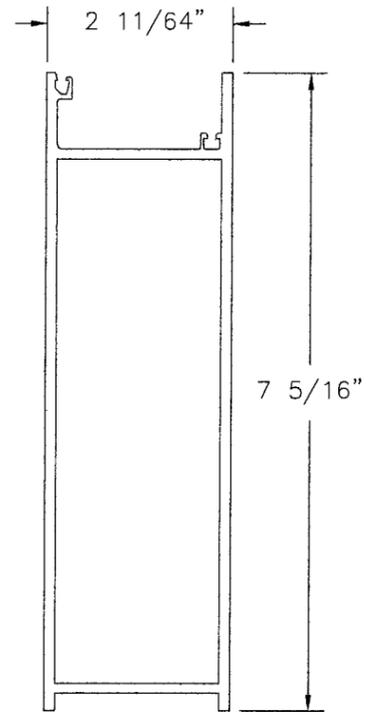
③⑤ **PLAIN STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



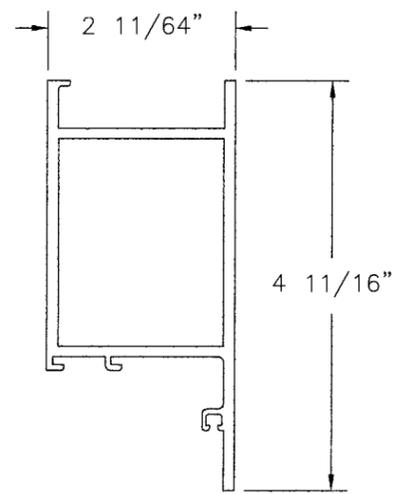
③⑦ **DOOR STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .050" THICK



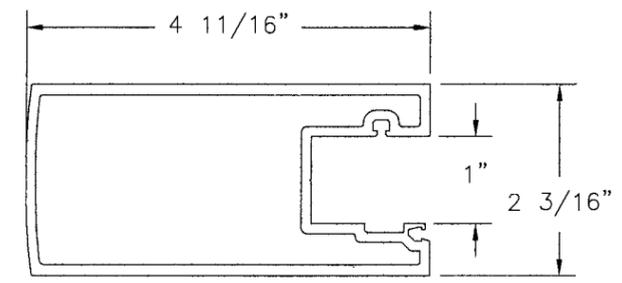
③⑧ **DOOR STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .050" THICK



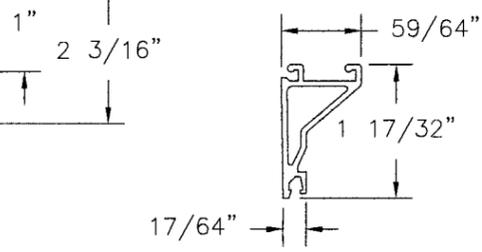
⑲ **BOTTOM RAIL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



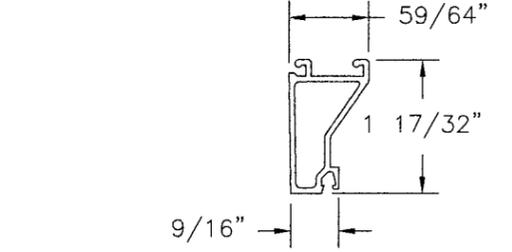
⑮ **TOP RAIL - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



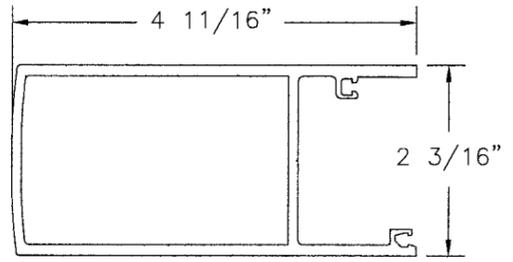
④① **LOCK STILE - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK



⑮⑦ **DOOR GLASS STOP - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



⑮⑥ **DOOR GLASS STOP - 9/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .062" THICK



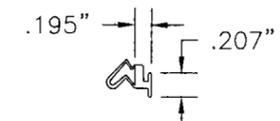
④② **LOCK STILE - 1 5/16" GLASS**  
EXTRUDED ALUMINUM 6063-T5 .125" THICK

Approved in compliance with the  
**MARCH 17, 2010**  
**09-1015.04**  
*Manuel Perez*

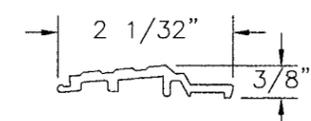
<b>UNITED STATES ALUMINUM</b> 720 CEL-RIVER ROAD ROCK HILL, SC 29730		
SERIES IG500/IG600 STORM FRONT OS ALUMINUM STOREFRONT DOOR SYSTEM - LMI COMPONENTS		
DRAWN: TJH	DWG NO. 08-00860	REV A
SCALE NTS	DATE 09/16/09	SHEET 12 OF 14

*Luis R. Lomas*  
 2/2/10  
 Luis R. Lomas P.E.  
 Florida No. 62514

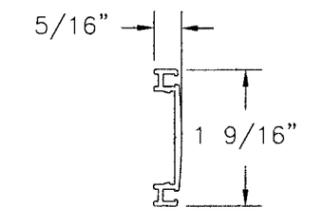
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



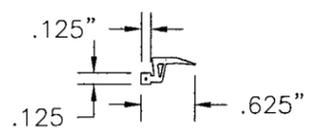
20 DOOR WEATHER STRIP  
VINYL



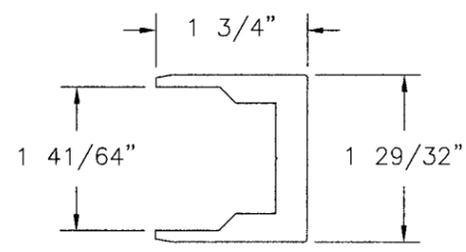
33 SILL INSERT  
EXTRUDED ALUMINUM  
6063-T5 .090\"/>



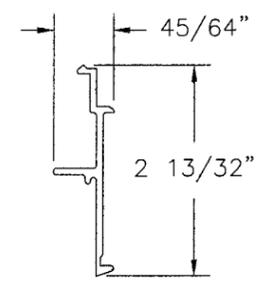
60 LOCK STILE CAP  
EXTRUDED ALUMINUM  
6063-T5 .055\"/>



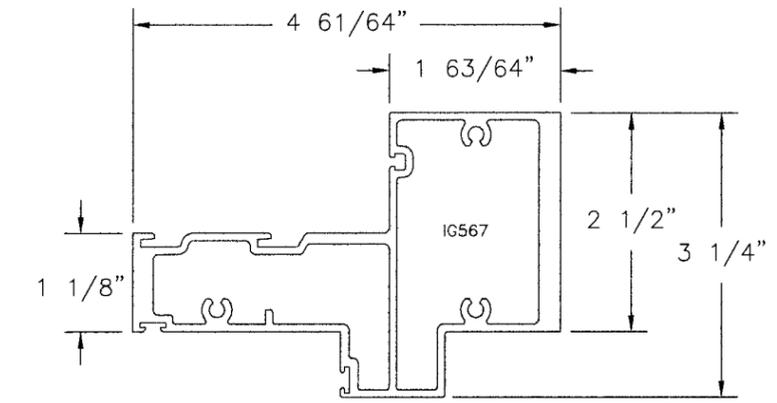
45 DOOR WEATHER STRIP  
VINYL



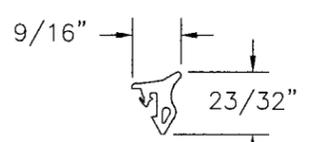
46 SHEAR CHANNEL  
EXTRUDED ALUMINUM  
6063-T5 .363\"/>



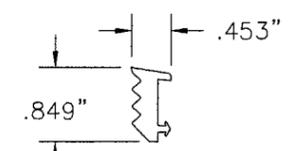
40 STOP RETAINER - 1 5/16\"/>



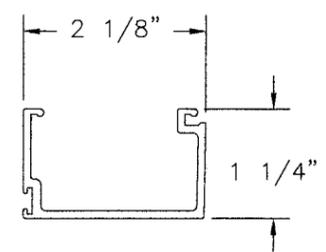
62 HORIZONTAL MULL - 9/16\"/>



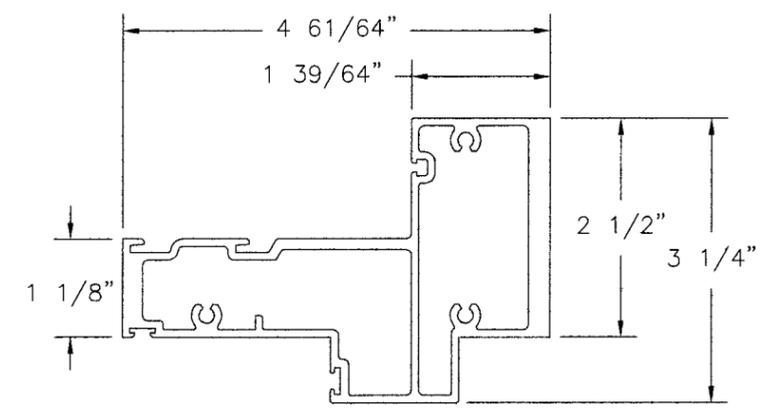
21 EXTERIOR GASKET  
EDPM SPONGE



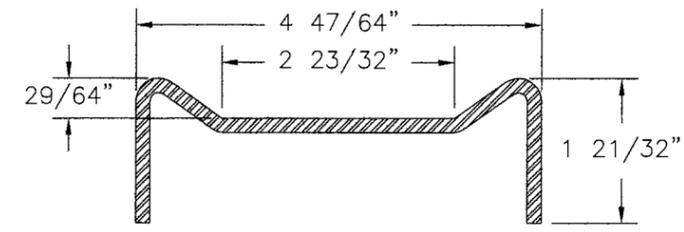
22 INTERIOR GASKET  
EDPM SPONGE



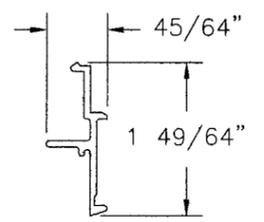
61 DOOR STOP  
EXTRUDED ALUMINUM 6063-T5 .085\"/>



63 HORIZONTAL MULL - 1 5/16\"/>



28 STEEL STIFFENER HEAVY  
FORMED 8GA. A36 MILD STEEL



39 STOP RETAINER - 9/16\"/>

Approved as complying with the Florida Building Code  
Date **MARCH 17, 2010**  
By **Manuel Perez**  
Product Control

**UNITED STATES ALUMINUM**  
720 CEL-RIVER ROAD  
ROCK HILL, SC 29730

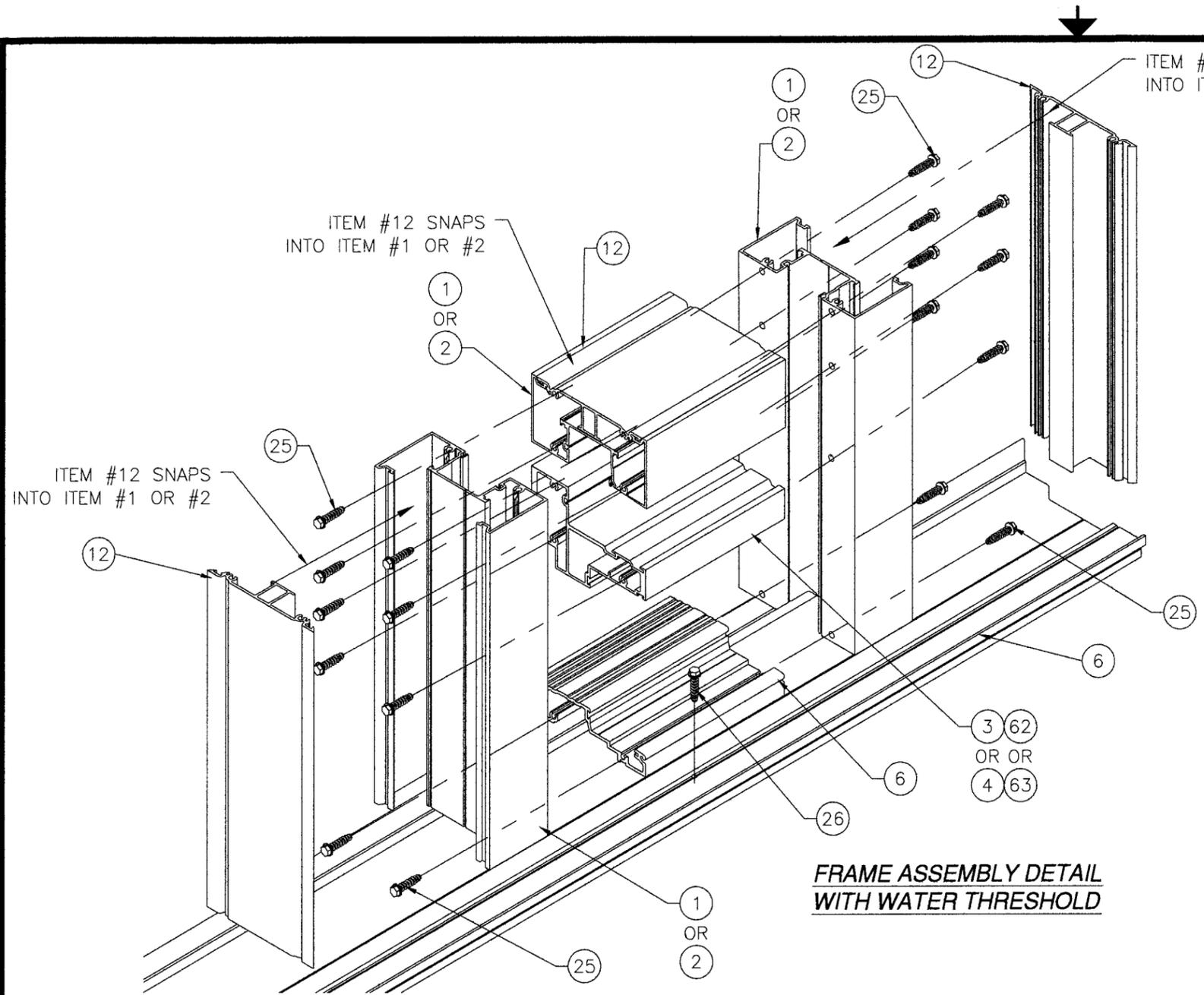
SERIES IG500/IG600 STORM FRONT OS ALUMINUM  
STOREFRONT DOOR SYSTEM - LMI  
COMPONENTS

DRAWN: TJH DWG NO. 08-00860 REV A  
SCALE NTS DATE 09/16/09 SHEET 13 OF 14

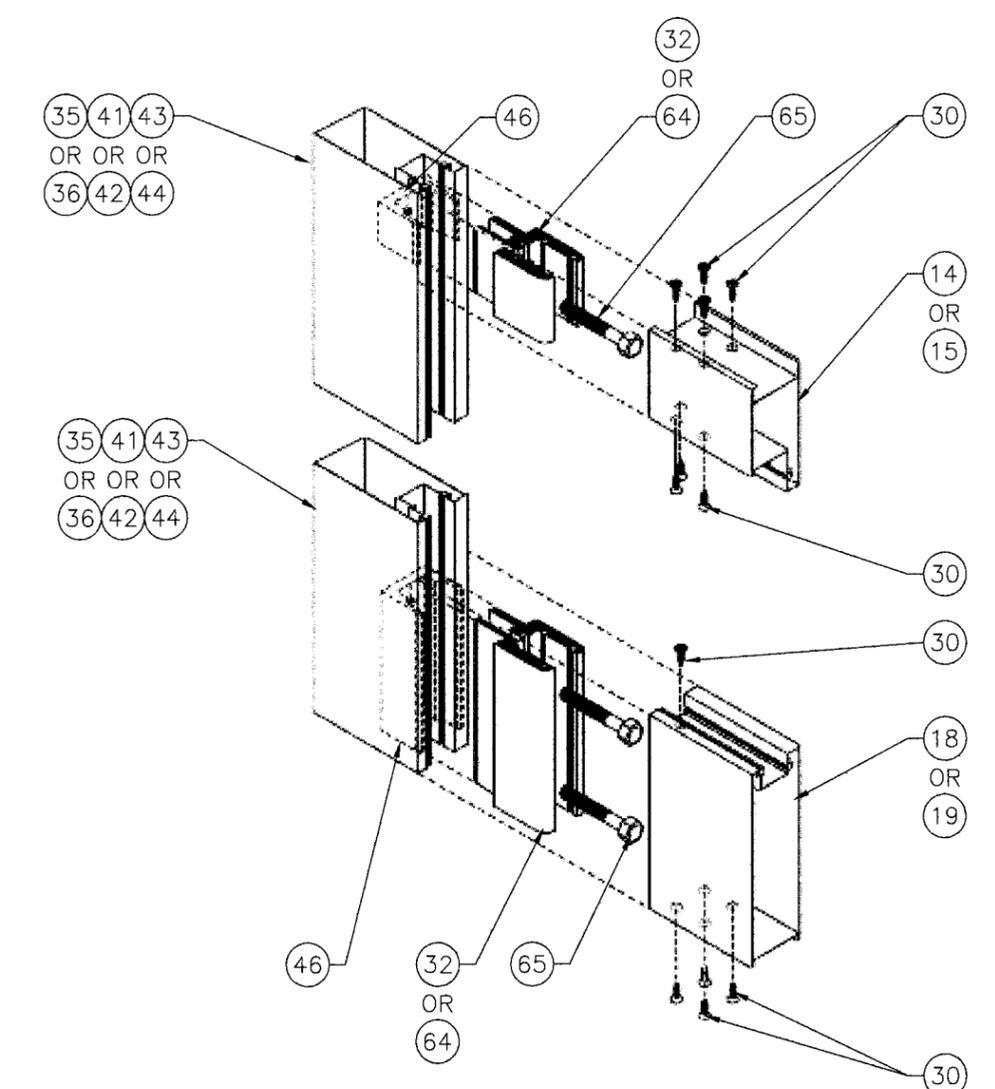
*Luis R. Lomas*  
2/2/10

Luis R. Lomas P.E.  
Florida No. 62514

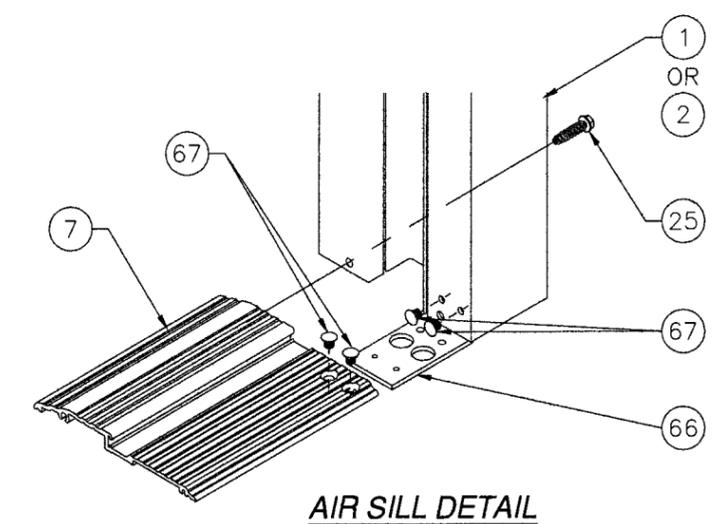
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LATER DATED 01/07/10	01/15/10	R.L.



**FRAME ASSEMBLY DETAIL WITH WATER THRESHOLD**



**PANEL ASSEMBLY DETAIL**



**AIR SILL DETAIL**

<p>Approved in compliance with the  <b>MARCH 17, 2010</b>  <b>09-1015.04</b>  <i>Manuel Perry</i></p>	<p><b>UNITED STATES ALUMINUM</b>          720 CEL-RIVER ROAD          ROCK HILL, SC 29730</p>		<p><i>Luis R. Lomas</i>          2/2/10</p>
	<p>SERIES IG500/IG600 STORM FRONT OS ALUMINUM          STOREFRONT DOOR SYSTEM - LMI          PANEL AND FRAME ASSEMBLY DETAILS</p>		
<p>DRAWN:          TJH</p>	<p>DWG NO.          08-00860</p>	<p>REV          A</p>	<p>Luis R. Lomas P.E.          Florida No. 62514</p>
<p>SCALE NTS</p>	<p>DATE 09/16/09</p>	<p>SHEET 14 OF 14</p>	