



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 S.W. 26<sup>th</sup> Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590, F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "350IR" Outswing Dry Glazed Aluminum Storefront Door -- L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1695, titled "350IR Outswing Aluminum Storefront Doors - L.M.I. Dry Glazed", sheets 01 thru 13 of 13, prepared by W. W. Schaefer Engineering and Consulting, P. A., dated 11/10/05 with the latest revision "A1" dated 02/11/14, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series 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 revises NOA No. 11-1013.04 and consists of this page 1, evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon  
2/24/14*

NOA No. 14-0602.02  
Expiration Date: February 08, 2017  
Approval Date: December 24, 2014  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1695**, titled "350IR Outswing Aluminum Storefront Doors -L.M.I. Dry Glazed", sheets 01 thru 13 of 13, prepared by W. W. Schaefer Engineering and Consulting, P. A., dated 11/10/05 with the latest revision "A1" dated 02/11/14, signed and sealed by Warren W. Schaefer, P. E.

**B. TESTS**

1. Test reports on:
  - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of aluminum outswing door and outswing door w/ storefront/ curtain wall system, prepared by Architectural Testing, Inc., Test Reports No.'s **ATI-D3741.01-550-18** & **ATI-D3741.04-550-18**, both dated 04/23/14 respectively, signed and sealed by Vinu J. Abraham, P. E.

2. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of aluminum outswing door and outswing door w/ storefront/ curtain wall system, prepared by Architectural Testing, Inc., Test Report No. **ATI-D3741.02-550-18**, dated 04/23/14 respectively, signed and sealed by Vinu J. Abraham, P. E.

3. Test reports on:
  - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of aluminum outswing door and outswing door w/ storefront/ curtain wall system, all prepared by Architectural Testing, Inc., Test Reports No.'s **ATI-D3741.03-550-18**, **ATI-D3741.05-550-18**, **ATI-D3741.08-550-18** and **ATI-D3741.09-550-18**, dated 04/23/14 respectively, signed and sealed by Vinu J. Abraham, P. E.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0602.02  
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**B. TESTS (CONTINUED)**

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of aluminum outswing door and outswing door w/ storefront, prepared by Hurricane Testing Laboratory, LLC, Test Report No. **HTL-G049-0805-10**, dated 10/26/10, signed and sealed by Vinu J. Abraham, P. E.

*(Submitted under previous NOA No. 11-0228.05)*

5. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
5) Small Missile impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of aluminum outswing door, prepared by Hurricane Testing Laboratory Inc, Test Reports No.'s **HTL-0049-0228-03**, **HTL-0049-0418-03** and **HTL-0049-1002.03**, dated 05/27/03, 05/19/03 & 09/30/03 respectively, signed & sealed by Vinu J. Abraham, P. E.

*(Submitted under previous NOA No. 06-0803.05)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 05/19/14, signed and sealed by Warren W. Schaefer, P. E.  
2. **Complies with ASTM E1300-04/09**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 08/25/11, expiring on 01/14/17.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0602.02

Expiration Date: February 08, 2017

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**E. MATERIAL CERTIFICATIONS (CONTINUED)**

2. Test reports on: 1) ASTM D412C Tensile Test 30HRS passed 1340 PSI and 1200PSI;  
2) ASTM D395B Compression Set 22 HRS with 100°C passed 24.8% ≤ 30%;  
3) ASTM D2240 Shore A Hardness passed 70A ≤ 70(±5) durometer;  
4) ASTM D1149 Ozone Resistance 100 HR/ 40°F/ 20% strain/ 100 pphm NO Cracks;  
5) ASTM D573 Heat Resistance 70 HR/ 100°C passed:  
Tensile -1% ≤ 15%, Elongation -37% ≤ 40%, Hardness 6 ≤ 10 and 7PSI ≤ 10PSI;  
6) ASTM D925 Migration Staining 7 day's exposure passed None Migration;  
7) ASTM D624C Tear Test passed 135 pli ≥ 100 pli;

along with marked-up drawings and installation diagram of neoprene's wedge, sponge and setting block by Tremco, Inc., prepared by Excel Polymers, LLC (A2LA No. 0121. 01), Test Report No. **EP 67286**, dated 02/16/09, signed by John Quinn.

*(Submitted under previous NOA No. 11-0228.05)*

**F. STATEMENTS**

1. Statement letter of conformance to and compliances with the **FBC 5<sup>th</sup> Edition (2014)**, **ANSI/ AAMA/ NWWDA 101/ I.S.2-97** and **FBC 2010**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 05/19/14, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest and independency, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 02/10/14, signed and sealed by Warren W. Schaefer, P. E.
3. Laboratory compliance letter for Test Reports No.'s **ATI-D3741.01-550-18**, **ATI-D3741.02-550-18**, **ATI-D3741.03-550-18**, **ATI-D3741.04-550-18**, **ATI-D3741.05-550-18**, **ATI-D3741.08-550-18** and **ATI-D3741.09-550-18**, all issued by Architectural Testing, Inc., dated 04/23/14 respectively, signed and sealed by Vinu J. Abraham, P. E.
4. Proposal issued by the Product Control Section, dated 07/26/13, signed by Jaime D. Gascon, P. E.
5. Statement letter of protection, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 02/23/12, issued by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1013.04)*
6. Statement letter of conformance to and compliances with the **FBC-2007** and **FBC-2010**, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1013.04)*



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0602.02  
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**F. STATEMENTS (CONTINUED)**

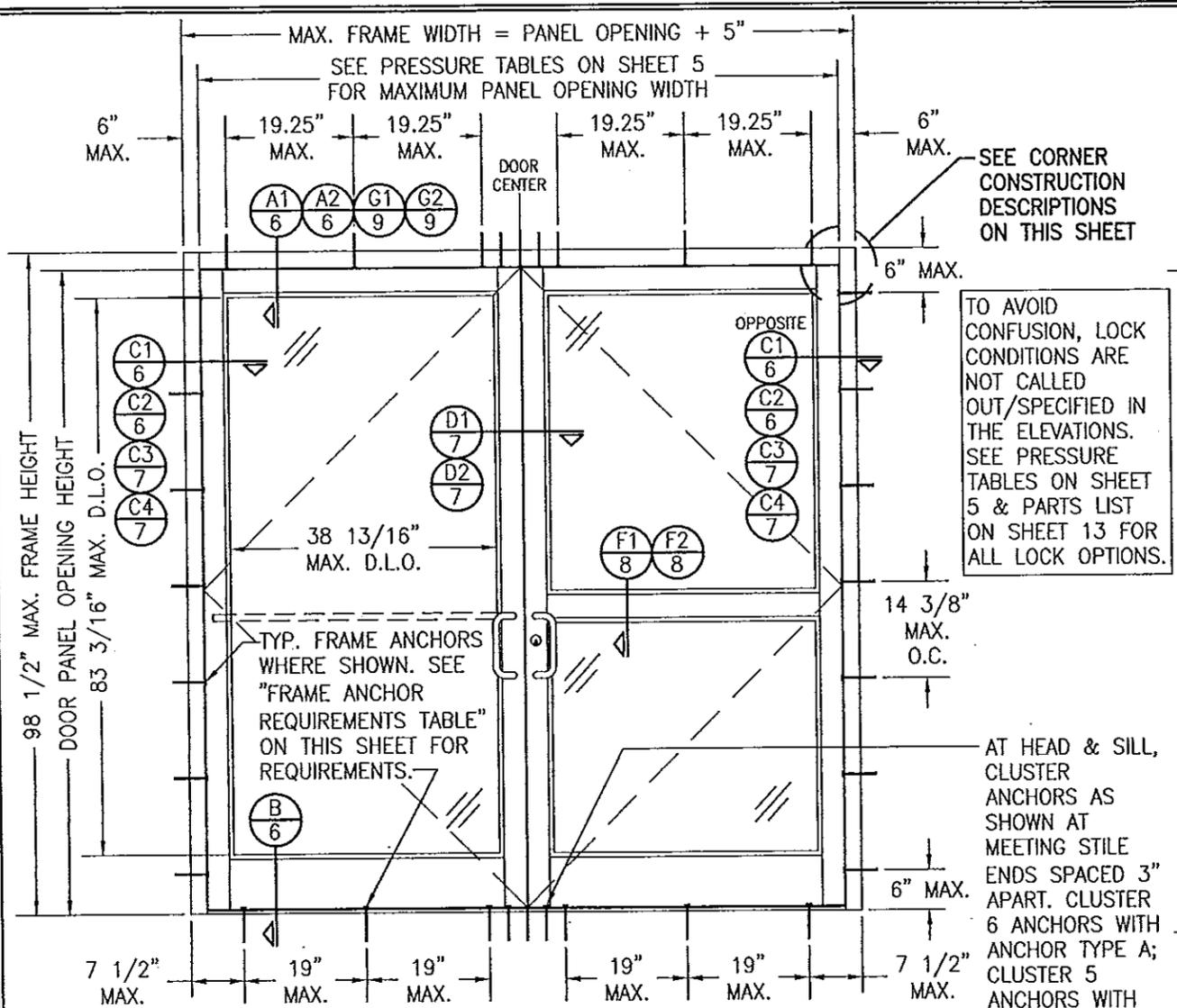
7. Statement letter of no financial interest and independency, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P. E.  
*(Submitted under previous NOA No. 11-1013.04)*
8. Laboratory addendum letter for Test Report No. HTL-G049-0805-10, issued by Hurricane Test Laboratory, LLC, dated 02/02/2010, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 11-0228.05)*
9. Laboratory compliance letter for Test Report No. HTL-G049-0805-10, issued by Hurricane Test Laboratory, LLC, dated 10/26/2010, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 11-0228.05)*
10. Laboratory addendum letter for Test Reports No.'s HTL-0049-0228-03, HTL-0049-0418-03 and HTL-0049-1002.03, issued by Hurricane Test Laboratory, LLC, dated 04/13/04, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 06-0803.05)*
11. Laboratory compliance letter for Test Reports No.'s HTL-0049-0228-03, HTL-0049-0418-03 and HTL-0049-1002.03, issued by Hurricane Test Laboratory, LLC, dated 09/30/03, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 06-0803.05)*

**G. OTHERS**

1. Notice of Acceptance No. 11-1013.04, issued to Kawneer Company, Inc. for their Series "350IR Outswing Dry Glazed Aluminum Storefront Door - L.M.I.", approved on 03/01/12 and expiring on 02/08/17.

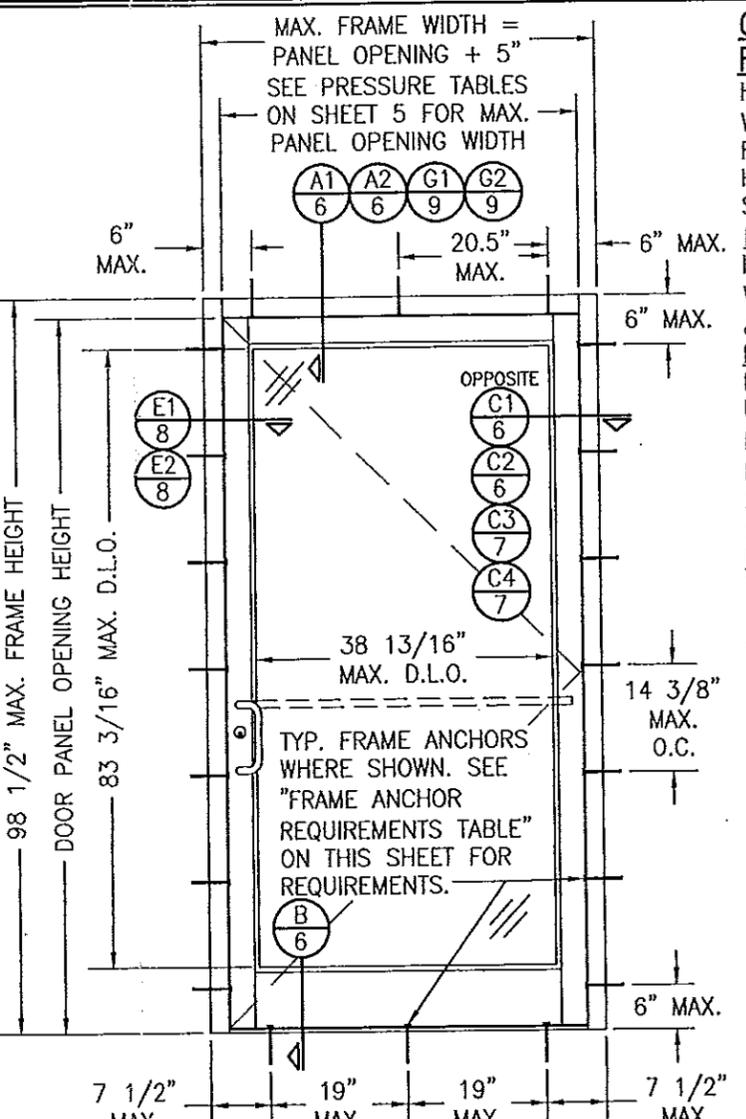


Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-0602.02  
Expiration Date: February 08, 2017  
Approval Date: December 24, 2014



**EXTERIOR ELEVATION: DOUBLE DOOR WITH STORE FRONT FRAMING & STANDARD INSTALLATION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH ALL HINGE TYPES)



**EXTERIOR ELEVATION: SINGLE DOOR WITH STORE FRONT FRAMING & STANDARD INSTALLATION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH ALL HINGE TYPES)

**CORNER & FRAME END CONSTRUCTION FOR SHEET 1 ELEVATIONS:**

HEAD IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH THREE (3) NO. 12 X 1" S.S. PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE HEAD MEMBER SCREW SPLINES & SEALED WITH SILICONE.  
 FRAME HEAD CORNER (TRIFAB 450/451 FRAME): HEAD IS SQUARE CUT, BUTTED TO SIDE, SECURED WITH SHEAR BLOCK ITEM# 16 (SEE SECTION G/5 & M/6) & SEALED WITH SILICONE.  
 FRAME SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, SECURED TO THE SIDE MEMBER USING A PIVOT ASSEMBLY OR STEEL CLIP, FASTENED WITH THREE (3) NO. 12-24 X 3/8" FHMS AT THE FRAME & TWO (2) NO. 12-24 X 3/8" FHMS AT THE SILL, & SEALED WITH SILICONE.  
 DOOR PANEL CORNERS: VERTICAL STILES RUN THROUGH AND ARE SECURED TO THE RAILS AT THE TOP & BOTTOM WITH 1/4" THICK EXTRUDED CHANNELS. EACH CHANNEL IS FASTENED TO THE STILE & RAIL WITH 1/4-20 X 3/4" PHMS & 3/16" THICK STEEL NUT PLATES. THE INTERSECTION OF EACH CORNER JOINT WAS WELDED WITH A 1/2" DIA. PLUG WELD AND A 1 1/8" LONG FILLET WELD AT BOTH WEBS OF THE RAIL.  
 MIDRAIL ENDS: SECURED TO THE VERTICAL RAILS WITH 4 EACH 1 1/8" LONG FILLET WELDS

**ALLOWABLE DESIGN PRESSURE**  
SEE SHEET 5

(\* THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

- GENERAL NOTES:**
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
  2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
  3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
  4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
  5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
  6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
  7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
  8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
  9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
  10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

FRAME ANCHOR REQUIREMENTS TABLE					
FRAME & SILL ANCHORS					
ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.	
A	2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS SCREW	1 1/4"	3/4"	
B	MIN. 16 GA. 50 KSI METAL STUD	(2) NO. 12 SELF DRILL/TAPPING SCREW	FULL	1/2"	
C	MIN. 0.22" THICK A36 STEEL	(2) 1/4-20 SELF DRILL/TAPPING SCREW	FULL	1/2"	
D	MIN. 3000 P.S.I. CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2 1/2"	
E	MIN. C90 CONCRETE FILLED BLOCK	(1) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"	
F	CURTAIN WALL	(2) 1/4-20 SELF DRILL/TAPPING SCREW	FULL	1/2"	

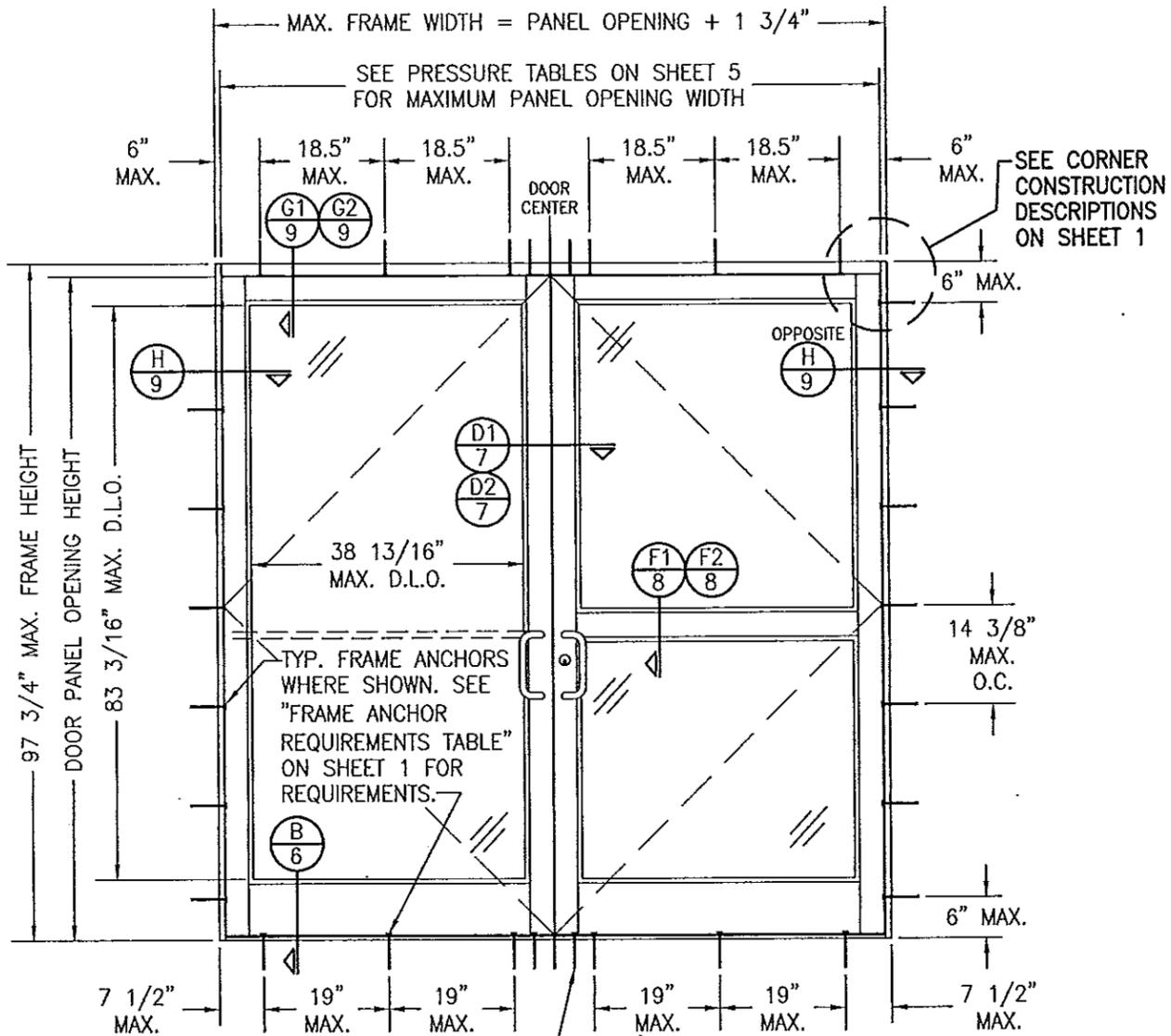
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).  
 (2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL

PRODUCT REVISED as complying with the Florida Building Code  
 Building Code Acceptance No. 14-0602.02  
 Expiration Date 02/08/2017  
 By: [Signature]  
 Miami Dade Product Control

**CERTIFICATION**  
 MAY 19 2014  
 WAREK W. SCHAEFER P.E. NO. 44135

DRAWING NO. 1695  
 SHEET NO. 1 OF 13

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 02/11/11
DATE: 02/11/14	
BY: WRM	
REVISION DESCRIPTION	
NO. 1	UPDATE PER NEW TESTING
DRAWING TITLE: 350/500R OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED	
MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1695 SHEET NO. 1 OF 13	

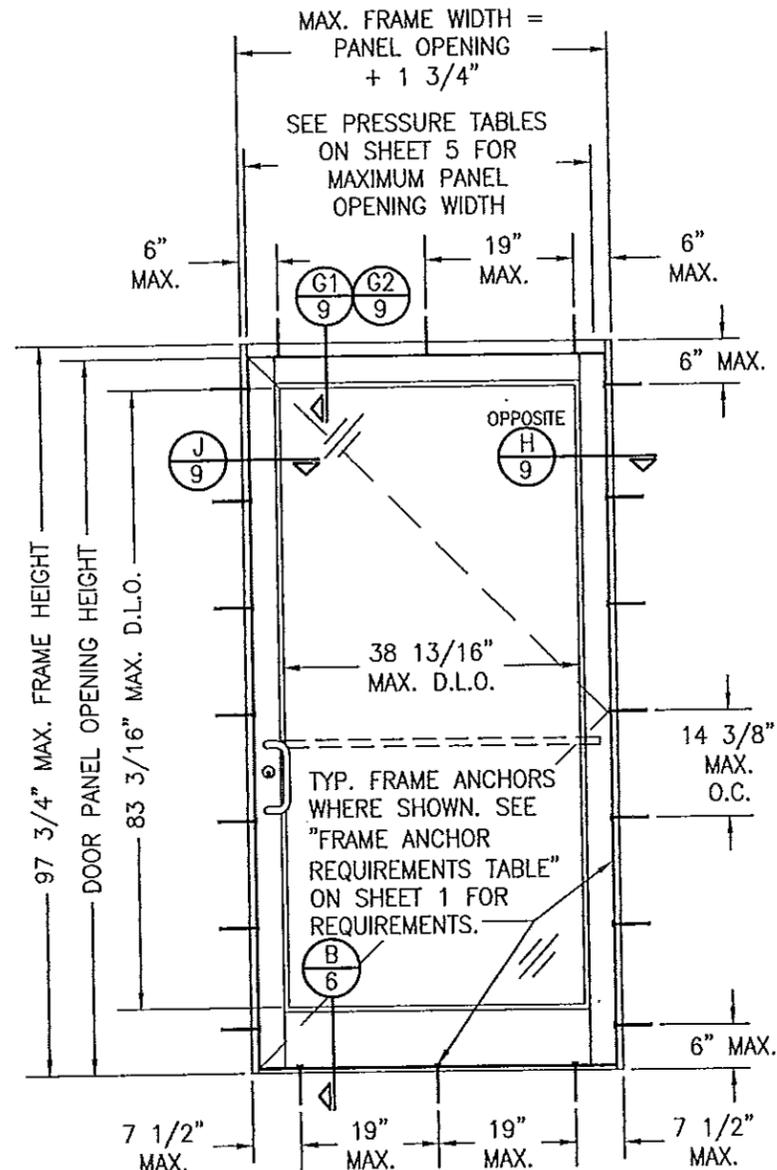


**EXTERIOR ELEVATION:  
DOUBLE DOOR WITH STANDARD  
FRAMING & STANDARD INSTALLATION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH ALL HINGE TYPES)

AT HEAD & SILL, CLUSTER ANCHORS AS SHOWN AT MEETING STILE ENDS SPACED 3" APART. CLUSTER 6 ANCHORS WITH ANCHOR TYPE A; CLUSTER 5 ANCHORS WITH ANCHOR TYPES B, C, D & F (ANCHOR "E" IS NOT APPLICABLE AT HEAD & SILL).

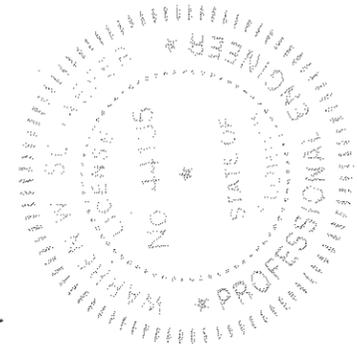
ALLOWABLE DESIGN PRESSURE  
SEE SHEET 5



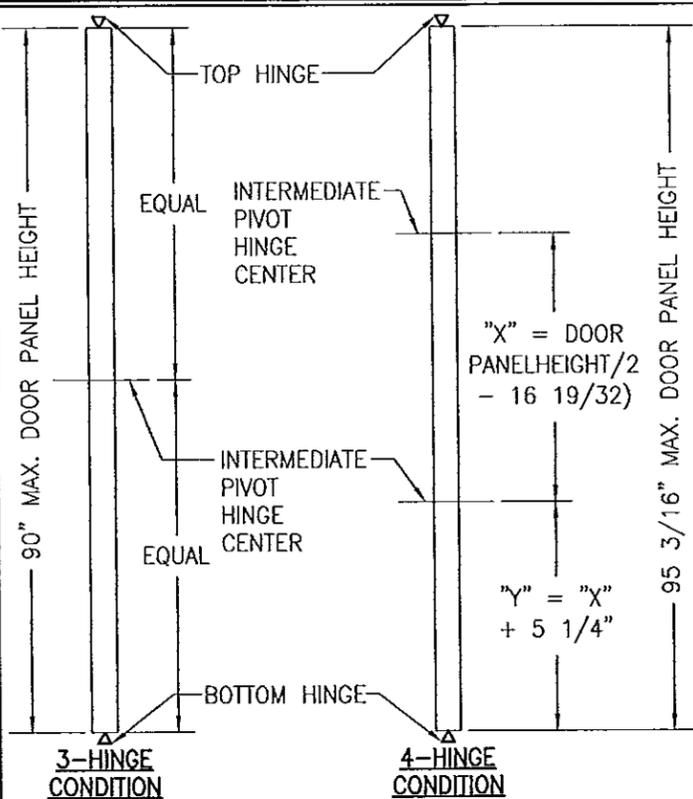
**EXTERIOR ELEVATION:  
SINGLE DOOR WITH STANDARD  
FRAMING & STANDARD INSTALLATION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH ALL HINGE TYPES)

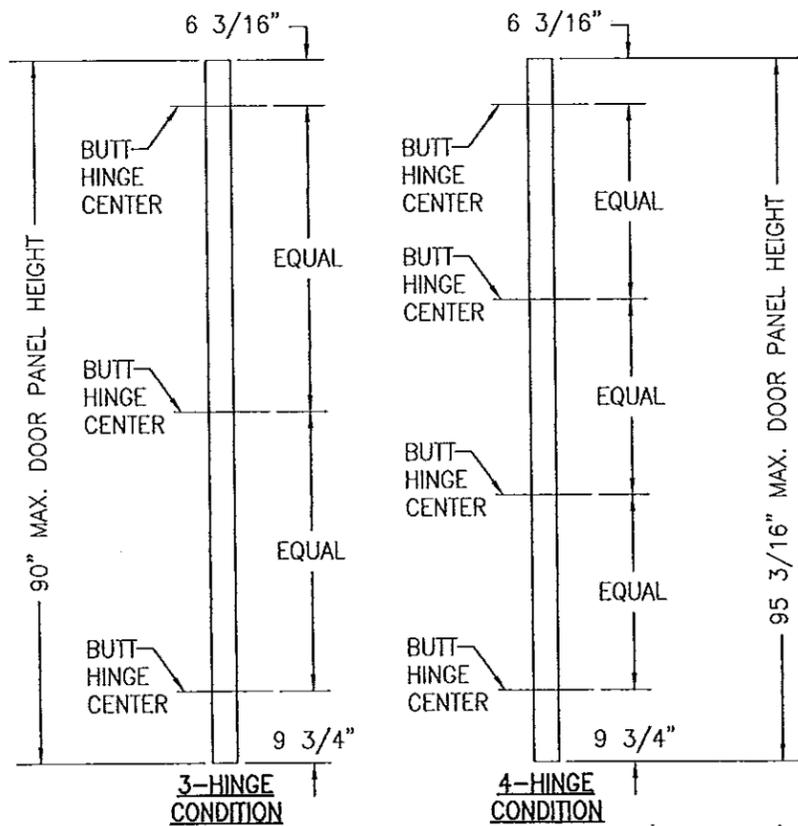
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0602.02  
Expiration Date 02/08/2017  
By *[Signature]*  
Miami Dade Product Control



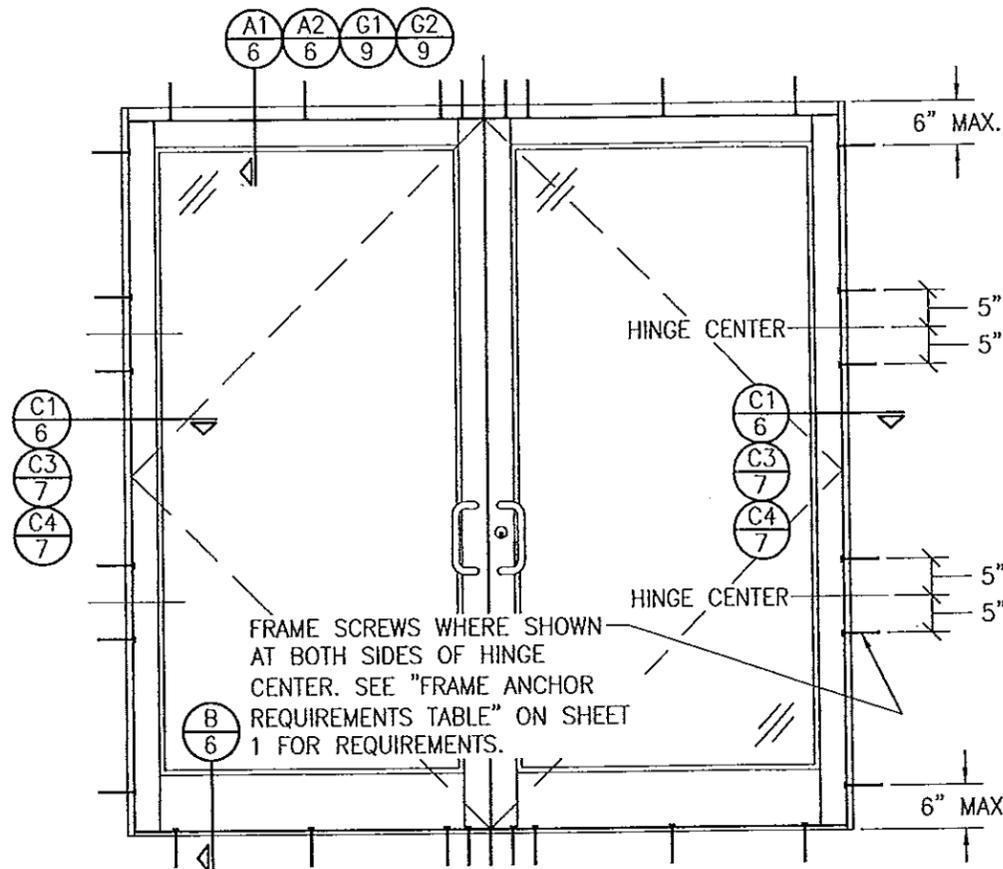
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 02/11/11
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 350/500R OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	MAY 19 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1695	REV. A
SHEET NO. 2 OF 13	



**PIVOT HINGE LOCATION DIAGRAMS**  
(APPLICABLE TO ALL DOORS)



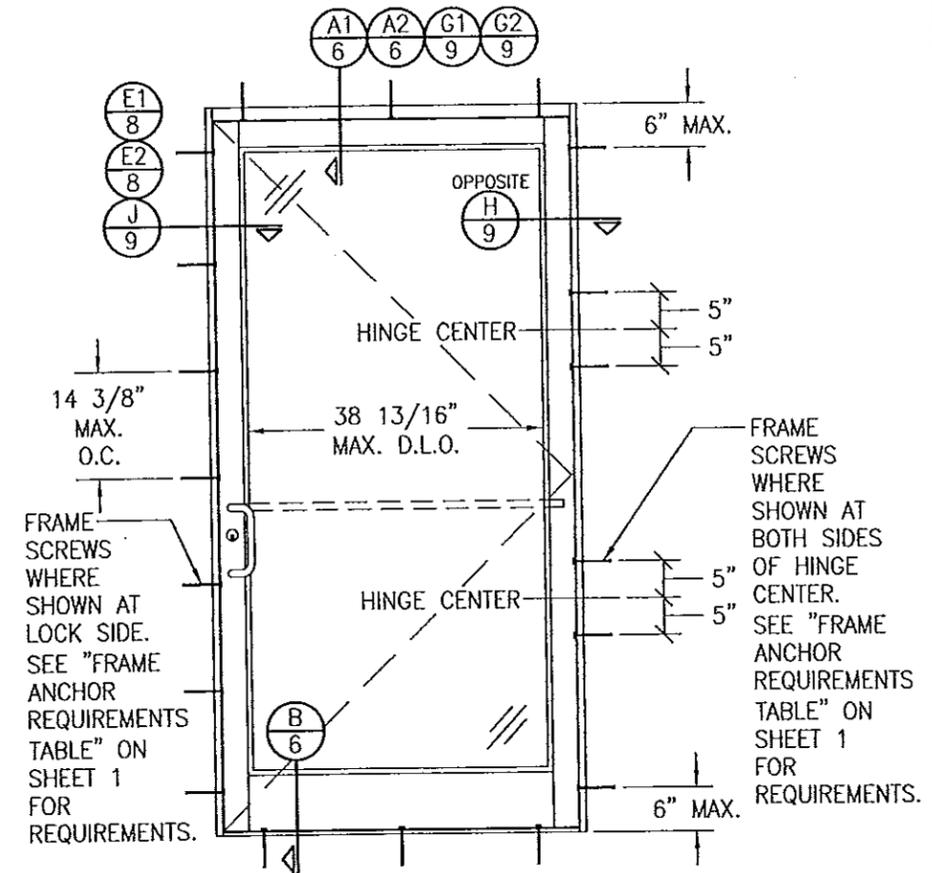
**BUTT HINGE LOCATION DIAGRAMS**  
(APPLICABLE TO ALL DOORS)



**EXTERIOR ELEVATION:  
DOUBLE DOOR WITH ALTERNATE  
INSTALLATION CONDITION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH BUTT & PIVOT HINGE DOORS ONLY  
WHEN 4 HINGES EXIST PER PANEL)  
(FOR DOOR DETAIL & HARDWARE NOT SHOWN, SEE  
ELEVATIONS ON SHEETS 1 & 2)  
(ELEVATION SHOWN WITH STANDARD FRAMING.  
STOREFRONT FRAMING ALSO APPLIES)

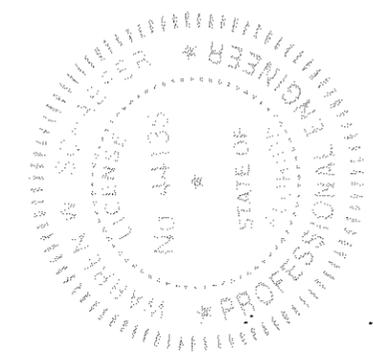
ALLOWABLE DESIGN PRESSURE  
SEE SHEET 5



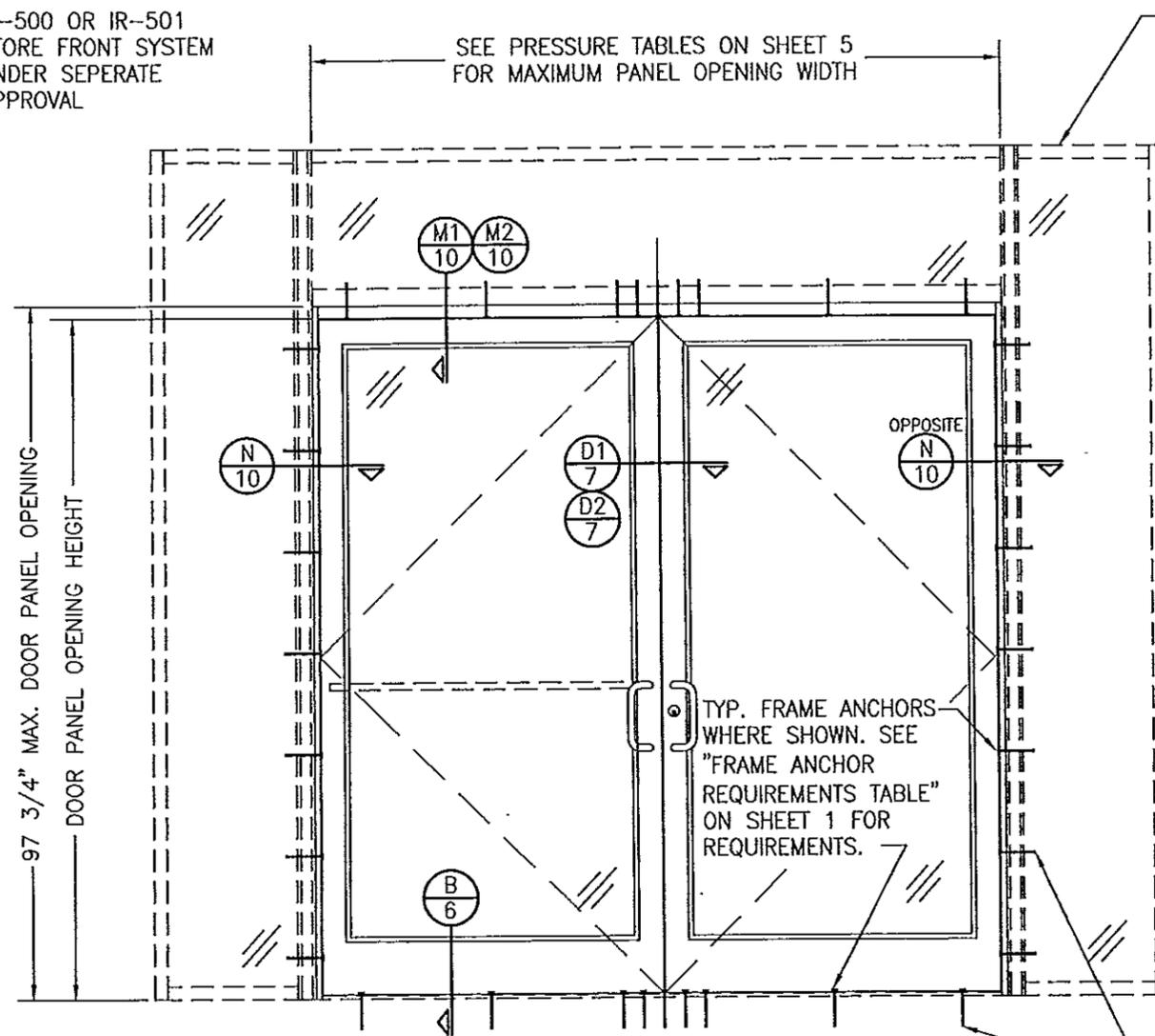
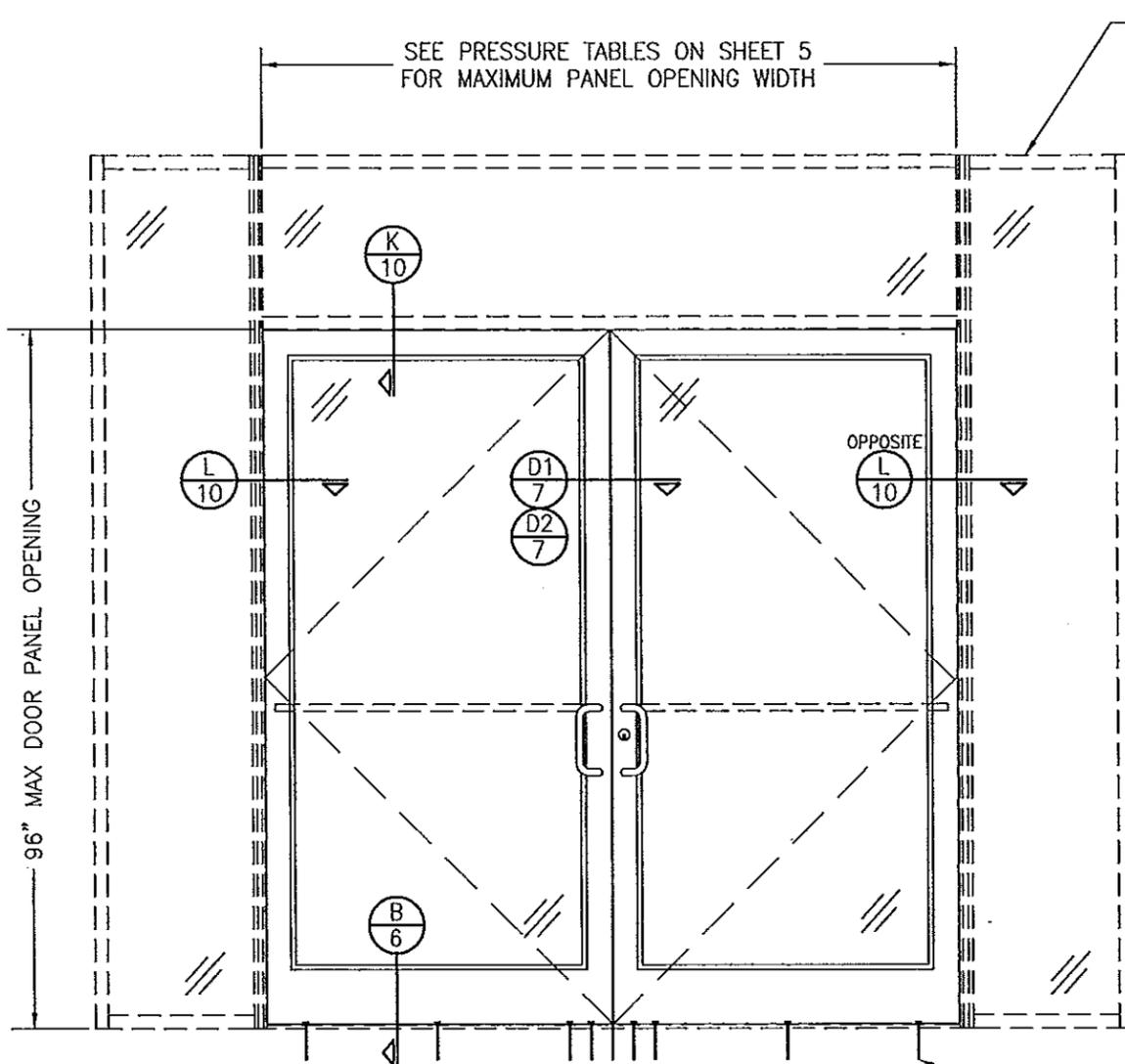
**EXTERIOR ELEVATION:  
SINGLE DOOR WITH ALTERNATE  
INSTALLATION CONDITION**

SCALE: 1/2" = 1'-0"  
(APPLICABLE WITH BUTT & PIVOT HINGE DOORS ONLY  
WHEN 4 HINGES EXIST PER PANEL)  
(FOR DOOR DETAIL & HARDWARE NOT SHOWN, SEE  
ELEVATIONS ON SHEETS 1 & 2)  
(ELEVATION SHOWN WITH STANDARD FRAMING.  
STOREFRONT FRAMING ALSO APPLIES)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0602-02  
Expiration Date 02/08/2017  
By *[Signature]*  
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/11/11	
NO.	REVISION DESCRIPTION	DATE	BY
1	DOORS		
DRAWING TITLE: 350/500R OUTSWING ALUMINUM STOREFRONT DOORS			
MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: MAY 19 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1695		REV. A	
SHEET NO. 3 OF 13			



**EXTERIOR ELEVATION:**  
**DOORS INSIDE IR-500 OR IR-501 STORE FRONT SYSTEM**  
 SCALE: 1/2"=1'-0"

**EXTERIOR ELEVATION:**  
**DOORS INSIDE 1600 SYSTEM 1 CURTAIN WALL**  
 SCALE: 1/2"=1'-0"

**NOTES:**

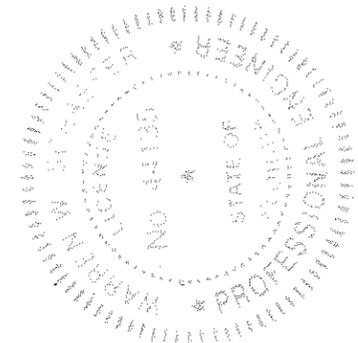
1. FOR DETAILS NOT SHOWN, SEE ELEVATIONS ON SHEETS 1 & 3.
2. DOUBLE DOOR SHOWN; SINGLE DOOR CONDITION ALSO APPLIES.
3. FOR STORE FRONT FRAMING REQUIREMENTS & INSTALLATION, SEE RESPECTIVE STORE FRONT APPROVAL.
4. LESSER ALLOWABLE PRESSURE RATING OF THE DOORS & STOREFRONT SHALL CONTROL FOR THE OVERALL ASSEMBLY.

**NOTES:**

1. FOR DETAILS NOT SHOWN, SEE ELEVATIONS ON SHEETS 2 & 3.
2. DOUBLE DOOR SHOWN; SINGLE DOOR CONDITION ALSO APPLIES.
3. FOR STORE FRONT FRAMING REQUIREMENTS & INSTALLATION, SEE RESPECTIVE STORE FRONT APPROVAL.
4. LESSER ALLOWABLE PRESSURE RATING OF THE DOORS & STOREFRONT SHALL CONTROL FOR THE OVERALL ASSEMBLY.

**ALLOWABLE DESIGN PRESSURE**  
 SEE SHEET 5

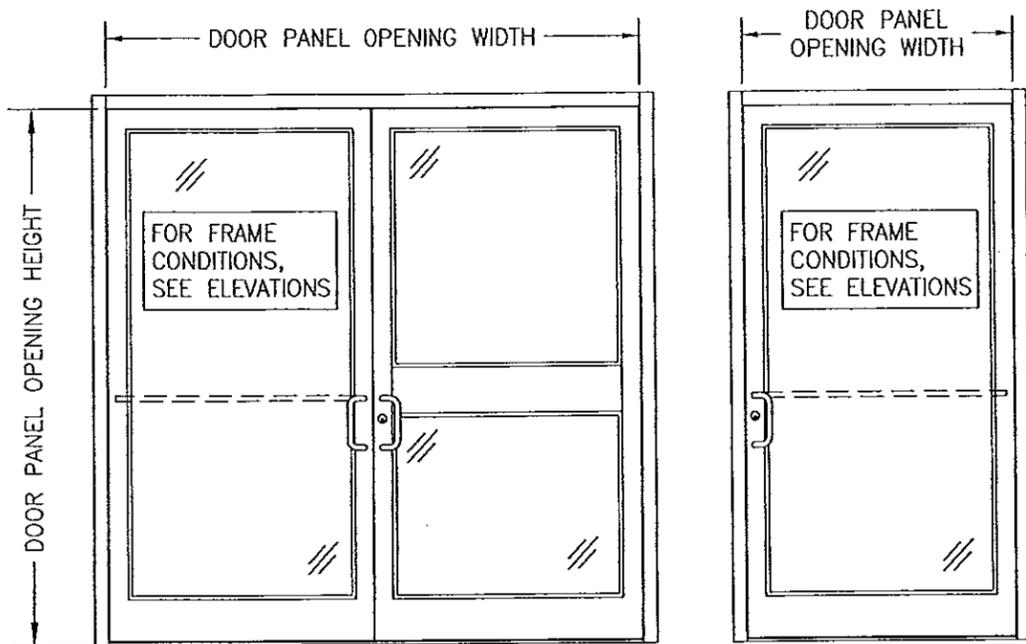
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14060202  
 Expiration Date 02/10/2014  
 By [Signature]  
 Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/11/11	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: <b>350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER <b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION <b>MAY 19 2014</b>		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1695</b>	REV. <b>A</b>	SHEET NO. <b>4 OF 13</b>	

**ALLOWABLE DESIGN PRESSURE  
(AS RESTRICTED BY PANIC DEVICE LOCK CONDITIONS)**

MAXIMUM DOOR PANEL OPENING WIDTH (IN.)		PANIC DEVICE	ALLOWABLE PRESSURE (+/-PSF)
DOUBLE DOOR	SINGLE DOOR		
96	48	SARGENT AD8400	70
		ADAMS RITE G86	
		CALIBRE 9100	
		JACKSON 2086	
		KAWNEER 1686	
PANELINE CR-90			
96	48	SARGENT 8400	65
72	36	FALCON HH1690	65
96	48	CORBIN RUSSWIN ED5200S(A)	50
96	48	VON DUPRIN HH9947	65



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 02/11/11
NO.	REVISION DESCRIPTION
DATE	BY

DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED

MANUFACTURER:  
KAWNEER COMPANY, INC.  
555 GUTHRIDGE COURT  
NORCROSS, GA 30092  
770-449-5555

CONSULTANTS:  
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)  
7480 150TH COURT NORTH  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-3424

CERTIFICATION  
MAY 19 2014  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135

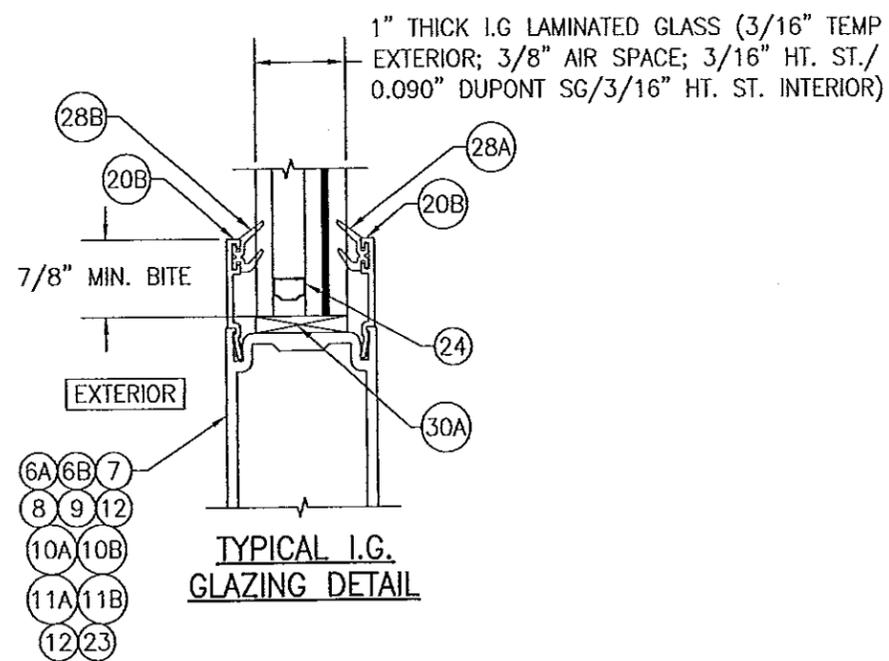
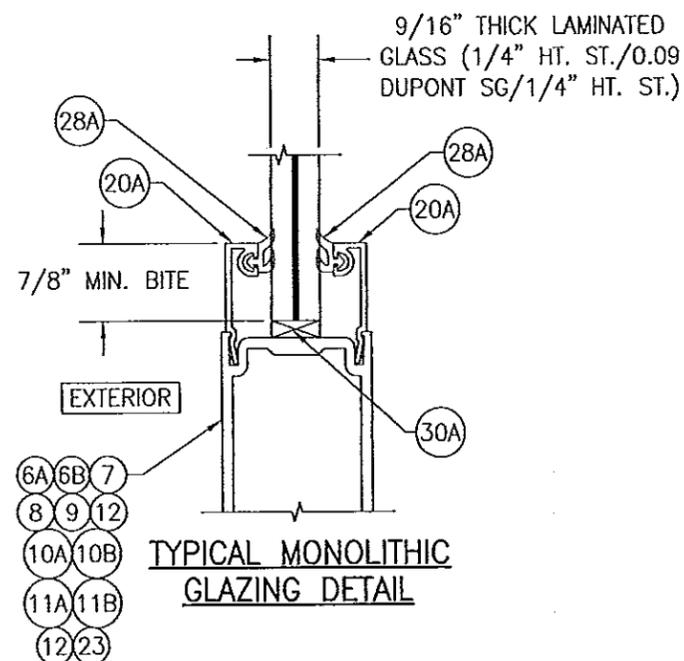
DRAWING NO. 1695	REV. A
SHEET NO. 5 OF 13	

**ALLOWABLE DESIGN PRESSURE  
(AS RESTRICTED BY MULTI-POINT LOCK CONDITIONS)**

MAXIMUM DOOR PANEL OPENING WIDTH (IN.)		LOCK CONDITION	ALLOWABLE PRESSURE (+/-PSF)
DOUBLE DOOR	SINGLE DOOR		
96	48	1 & 2	70

**LOCK CONDITION 1:**  
ACTIVE DOOR: SEE ITEM #39 ON SHEET 13 FOR LOCK REQUIREMENTS  
INACTIVE DOOR: SEE ITEM #40 ON SHEET 13 FOR LOCK REQUIREMENTS

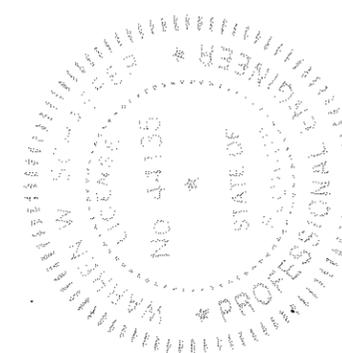
**LOCK CONDITION 2:**  
ACTIVE DOOR: SEE ITEM #41 ON SHEET 13 FOR LOCK REQUIREMENTS  
INACTIVE DOOR: SEE ITEM #42 ON SHEET 13 FOR LOCK REQUIREMENTS

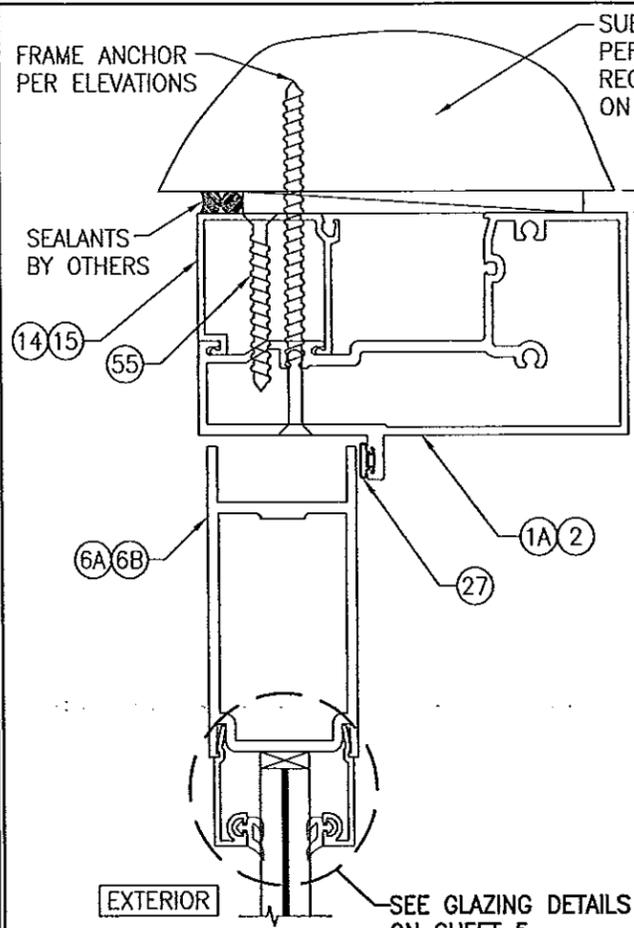


**PRESSURE TABLE NOTES (ALL TABLES)**

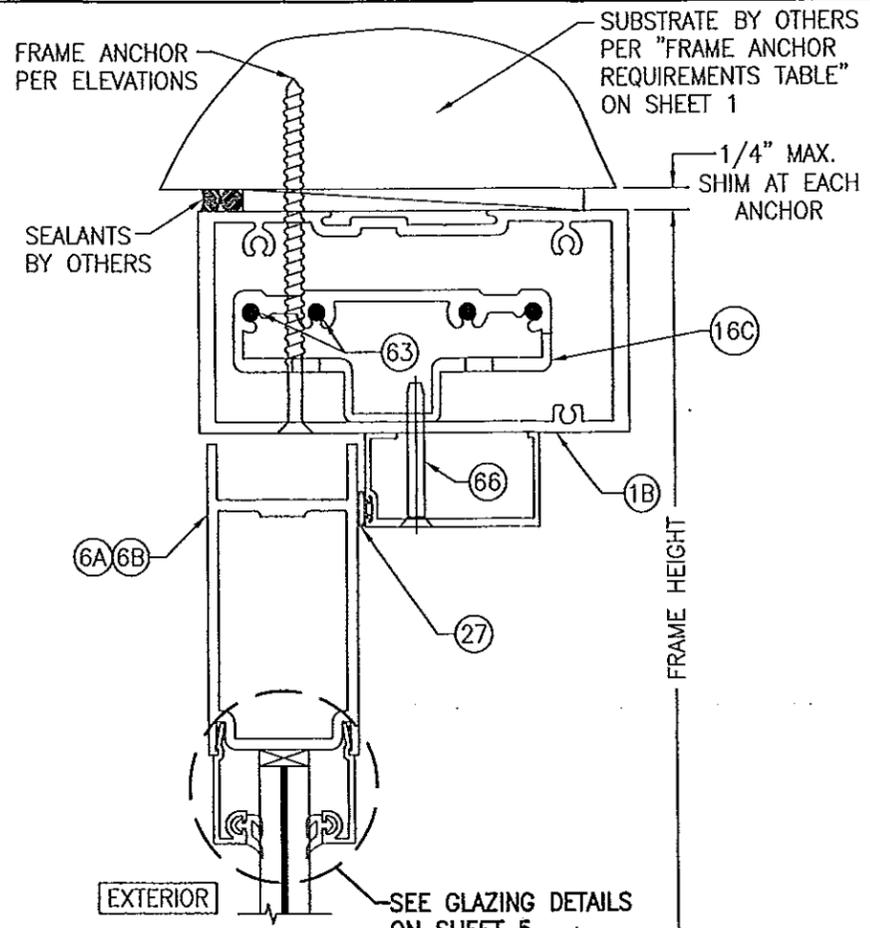
1. CONDITIONS IN THESE TABLES ARE APPLICABLE FOR ALL DOORS TO THEIR MAXIMUM PANEL HEIGHT OF 96".
2. SEE ELEVATIONS ON THIS SHEET FOR VIEW OF DOOR PANEL OPENING HEIGHT & WIDTH.
3. THE LESSER PRESSURE IN ANY ONE TABLE SHALL CONTROL AS THE ALLOWABLE PRESSURE ON THE DOOR ASSEMBLY.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 14-0602.02  
Expiration Date 02/08/2017  
By [Signature]  
Miami Date Product Control

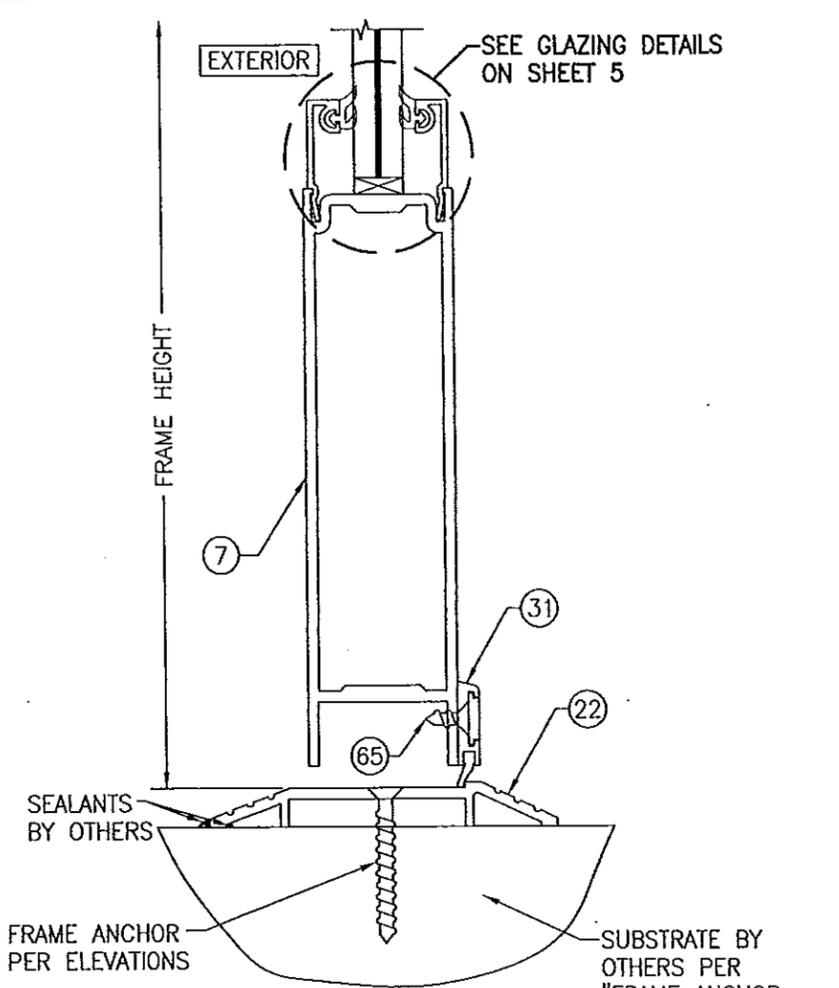




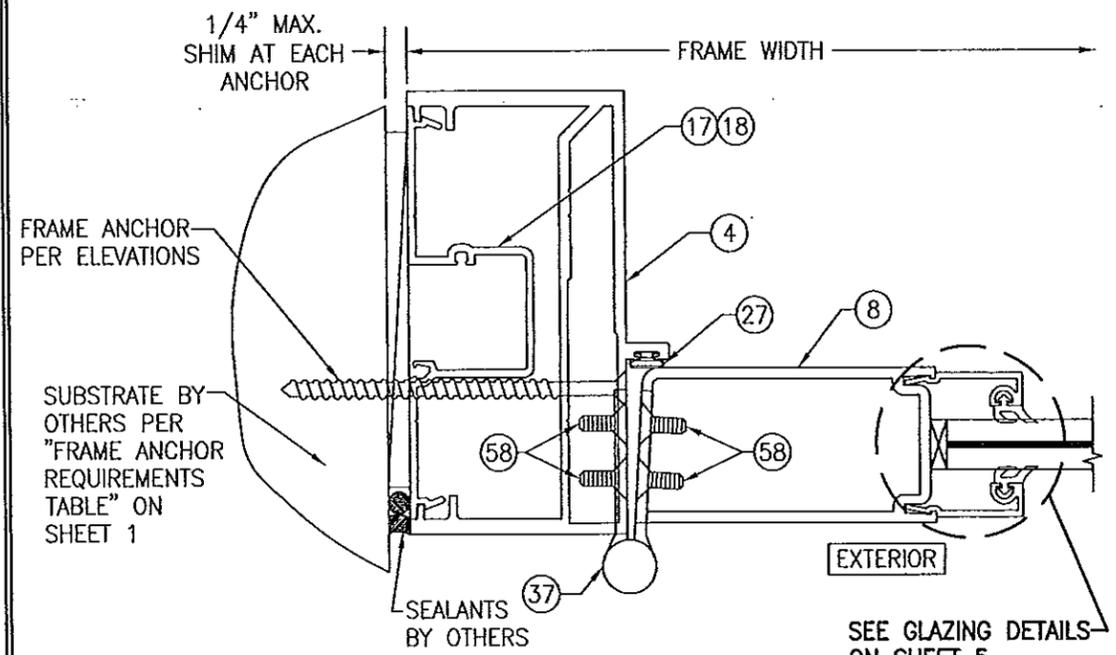
SECTION A1  
SCALE: 1/2 FULL  
(WITH IR-500/501 FRAMING)



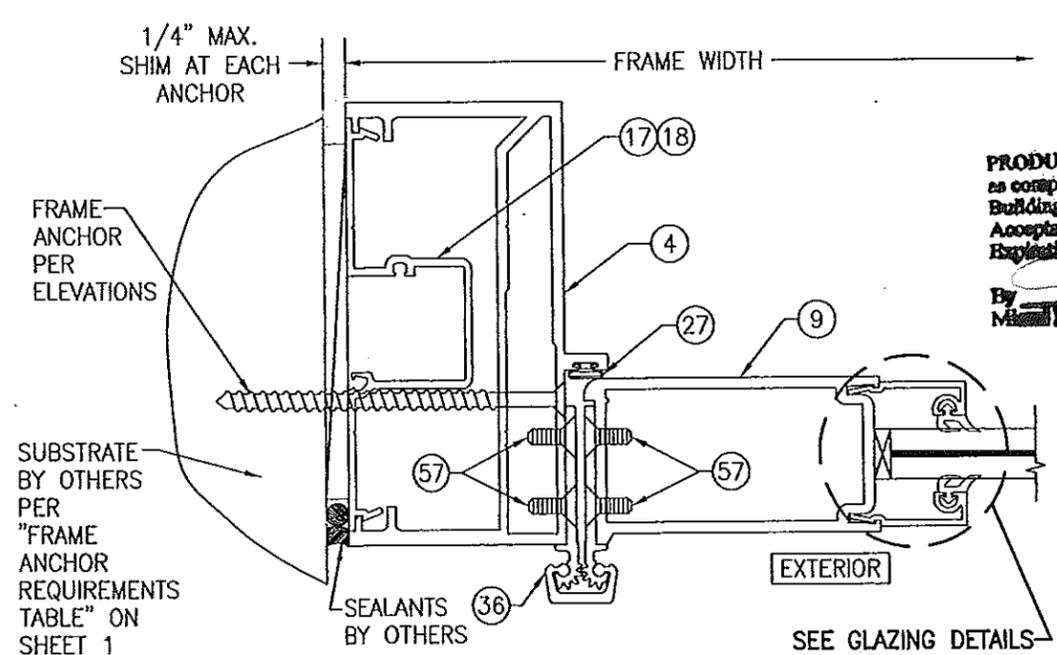
SECTION A2  
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(WITH IR-500/501 FRAMING)



SECTION B  
SCALE: 1/2 FULL

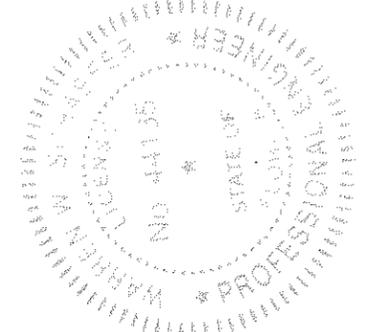


SECTION C1  
SCALE: 1/2 FULL  
(WITH IR-500/501 FRAMING & BUTT HINGE CONDITION)

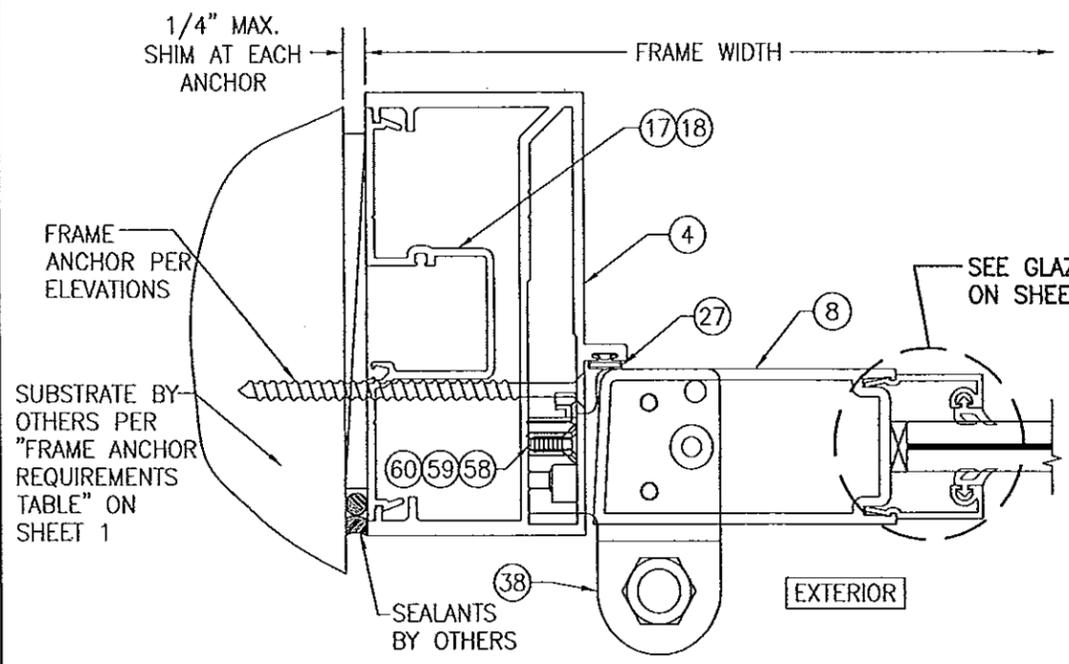


SECTION C2  
SCALE: 1/2 FULL  
(WITH IR-500/501 FRAMING & GEAR HINGE CONDITION)

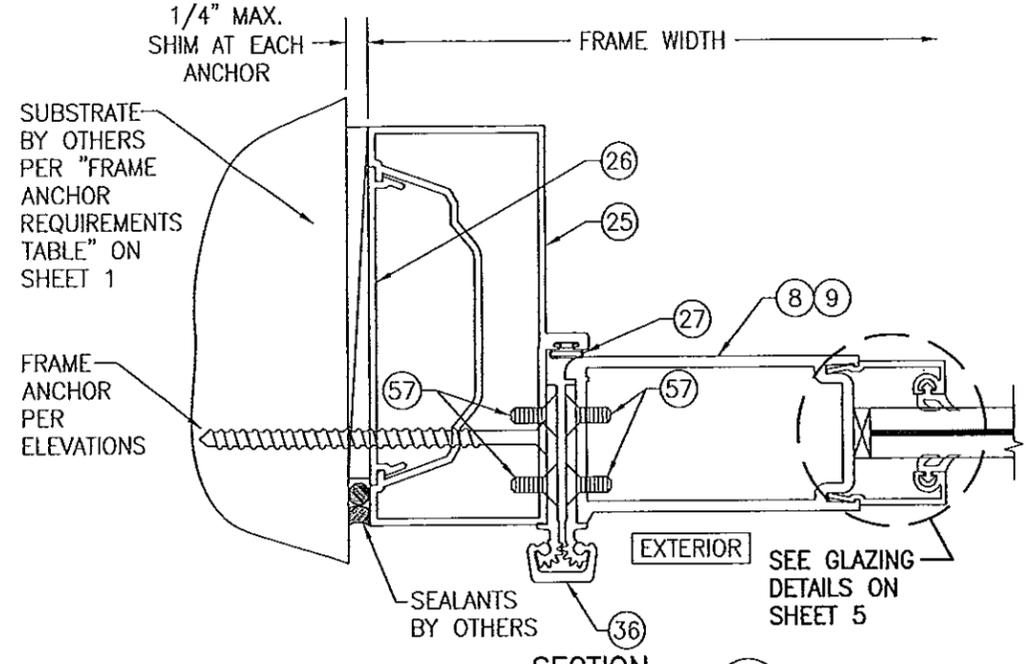
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0602.02  
Expiration Date 02/08/2017  
By [Signature]  
Miami Dade Product Control



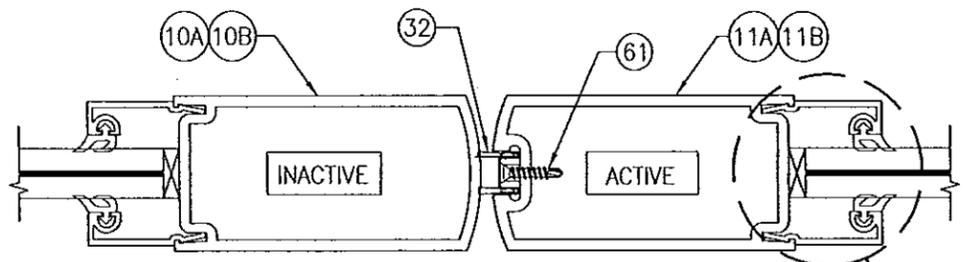
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PLOT: 1-2	DATE: 02/11/11
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED	
MANUFACTURER:	KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS:	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION:	MAY 19 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
1695	A
SHEET NO. 6 OF 13	



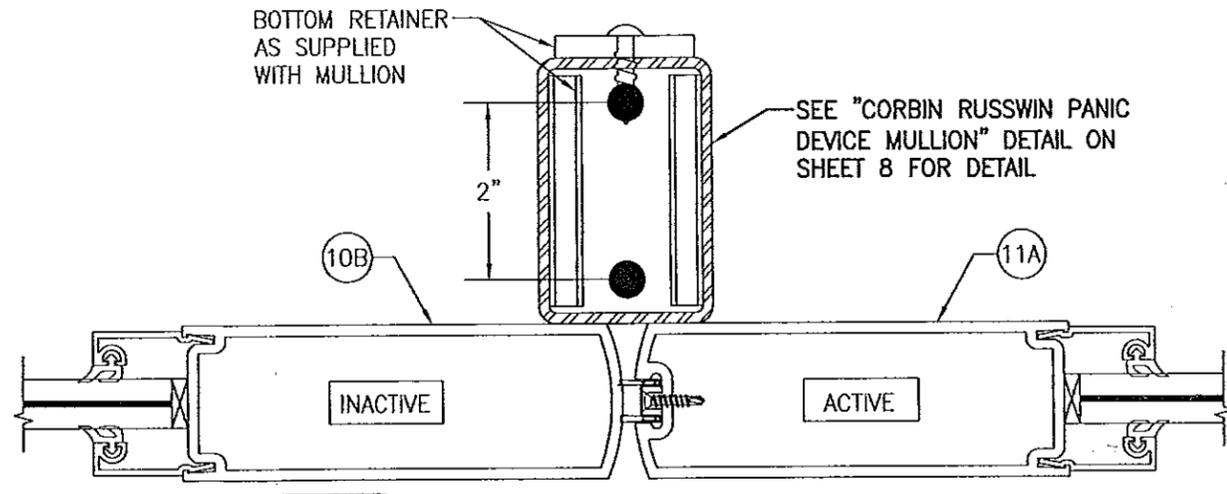
SECTION C3  
SCALE: 1/2 FULL  
(WITH IR-500/501 FRAMING & PIVOT HINGE CONDITION)



SECTION C4  
SCALE: 1/2 FULL  
(WITH TRIFAB 450/451 FRAMING)  
(GEAR HINGE CONDITION SHOWN. FOR OTHER HINGE CONDITIONS APPLICABLE TO THIS SECTION, SEE SECTIONS C1/6 & C3/7.)

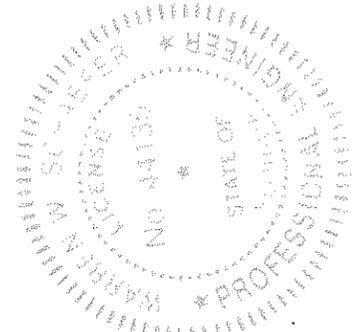


SECTION D1  
SCALE: 1/2 FULL  
(APPLICABLE WITH ALL LOCK CONDITIONS WITH THE EXCEPTION OF CORBIN RUSSWIN PANIC DEVICE ITEM #54)

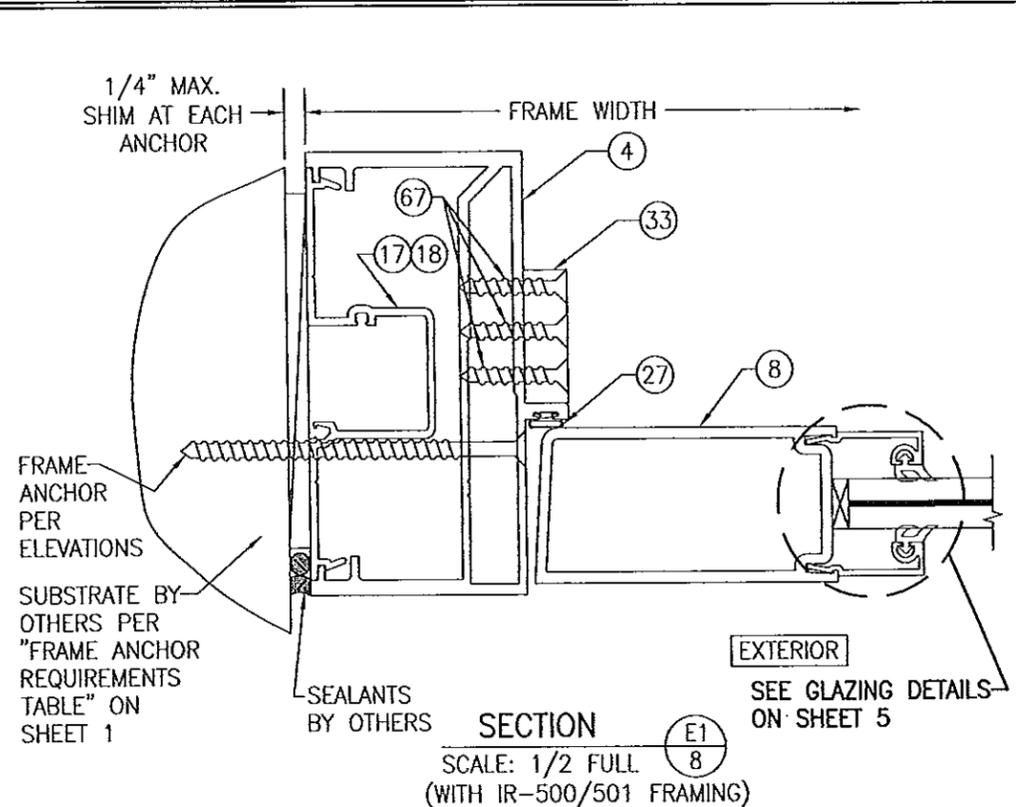


SECTION D2  
SCALE: 1/2 FULL  
(FOR DETAIL NOT SHOWN, SEE SECTION D1/7)  
(APPLICABLE WITH CORBIN RUSSWIN PANIC DEVICE ITEM #54 ONLY)

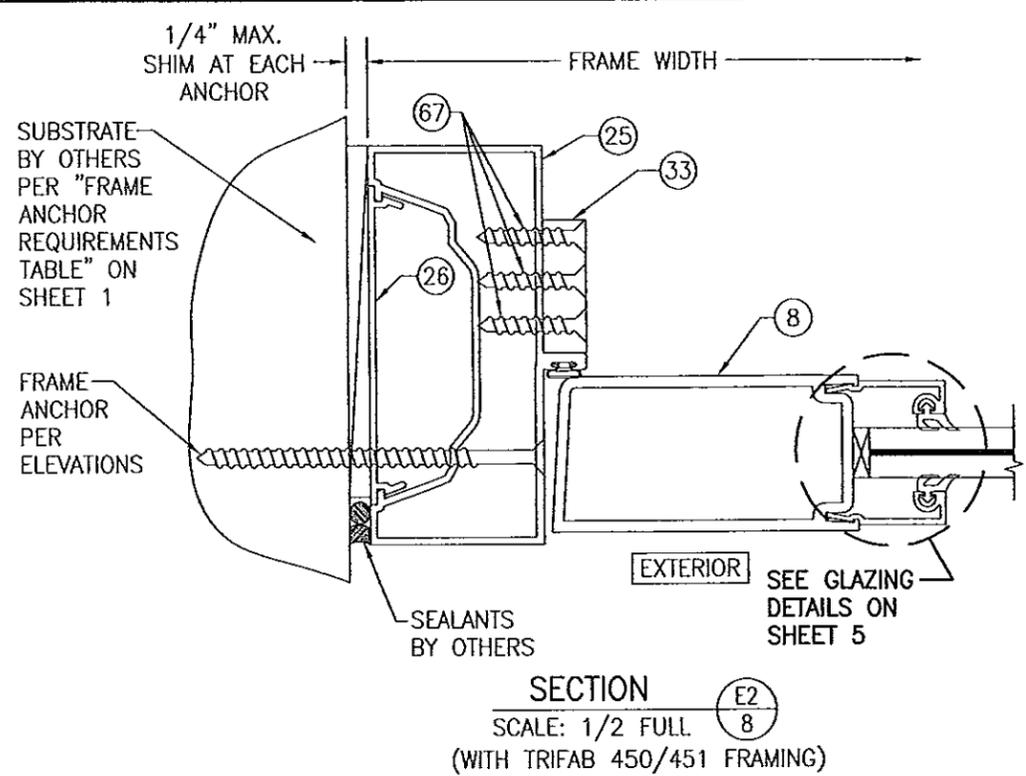
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0602.02  
Expiration Date 02/08/2017  
By *[Signature]*  
Miami Dade Product Control



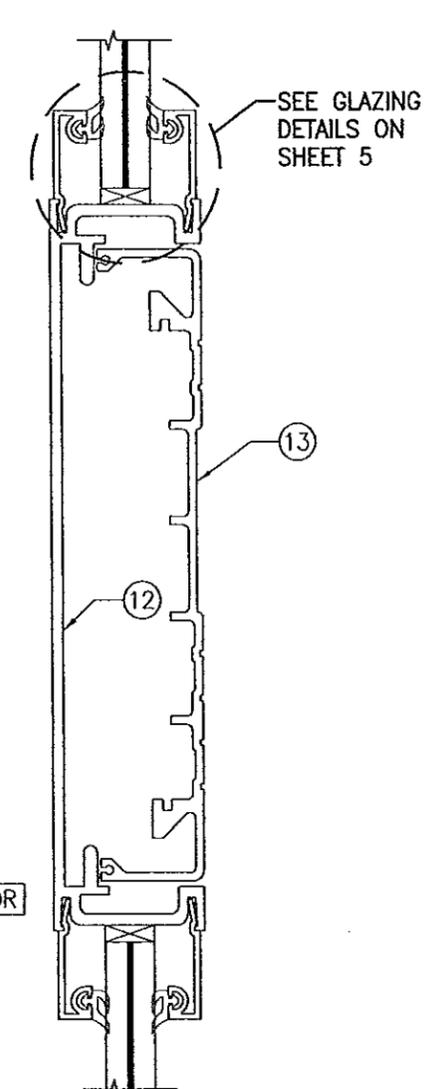
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PLOT: 1-2		DATE: 02/11/11	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: KAWNEER COMPANY, INC.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION	MAY 19 2014	DRAWING NO.	REV.
WARREN W. SCHAEFER, P.E.		1695	A
P.E. NO. 44133		SHEET NO.	7 OF 13



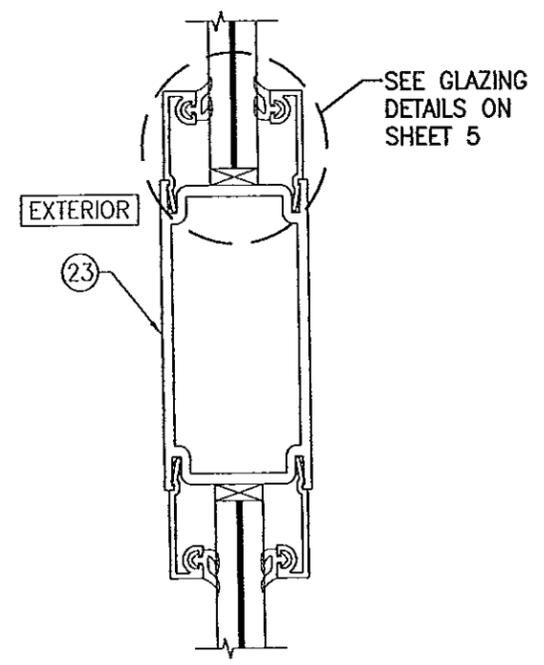
SECTION E1  
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(WITH IR-500/501 FRAMING)



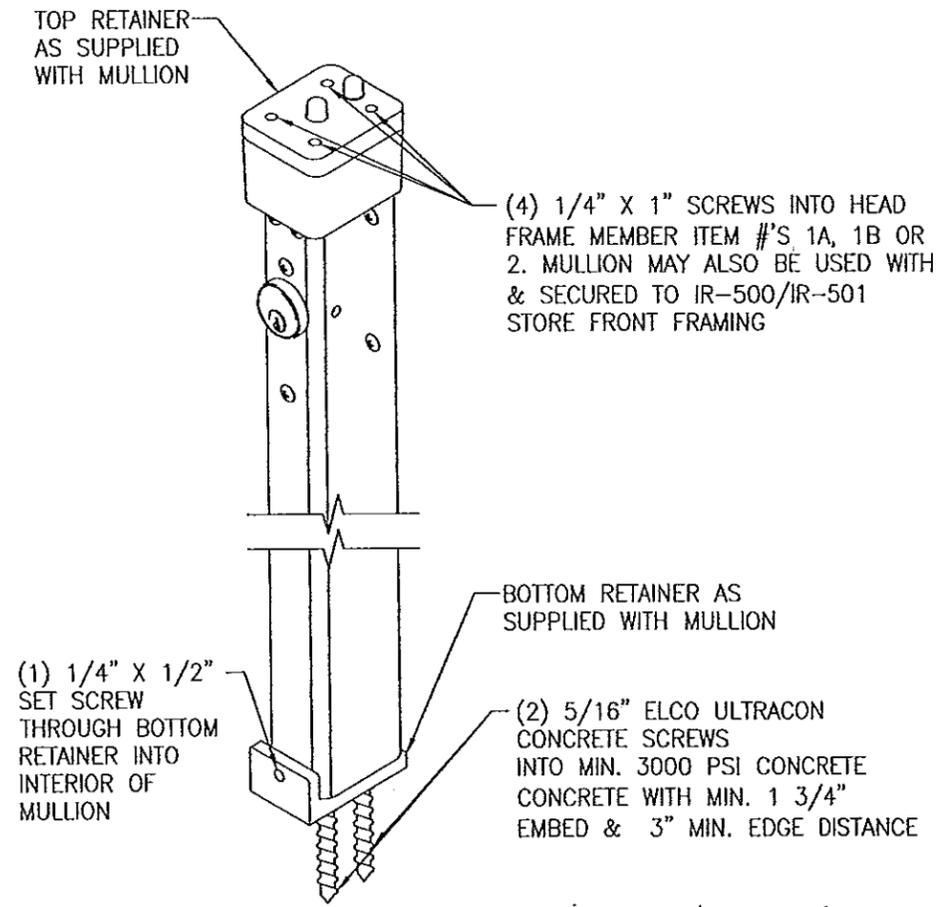
SECTION E2  
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(WITH TRIFAB 450/451 FRAMING)



SECTION F1  
SCALE: 1/2 FULL

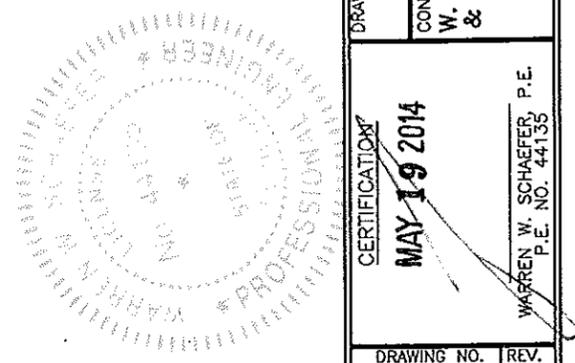


SECTION F2  
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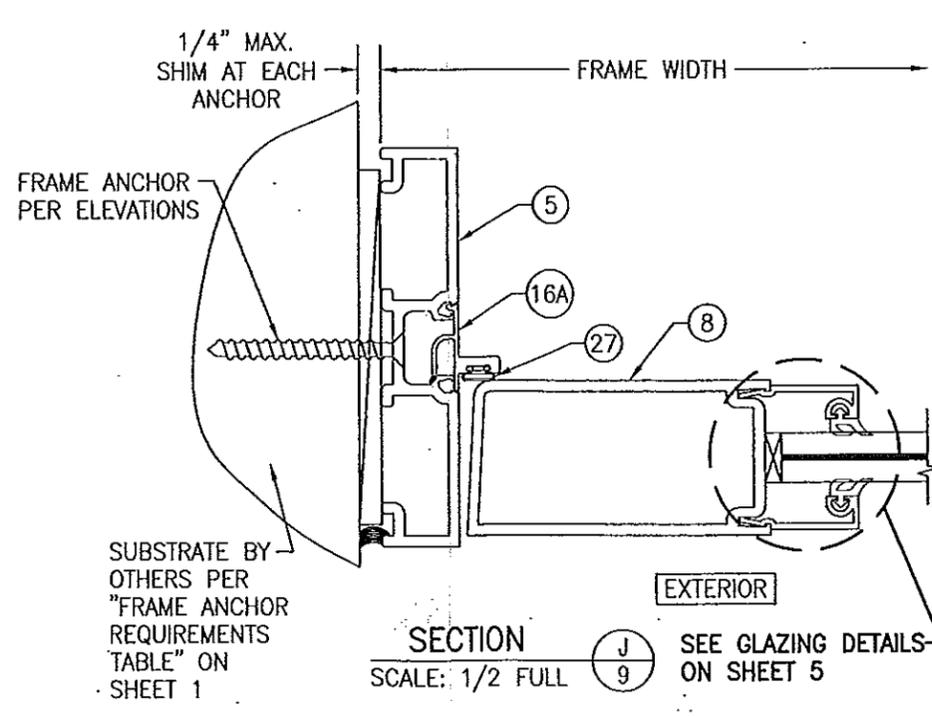
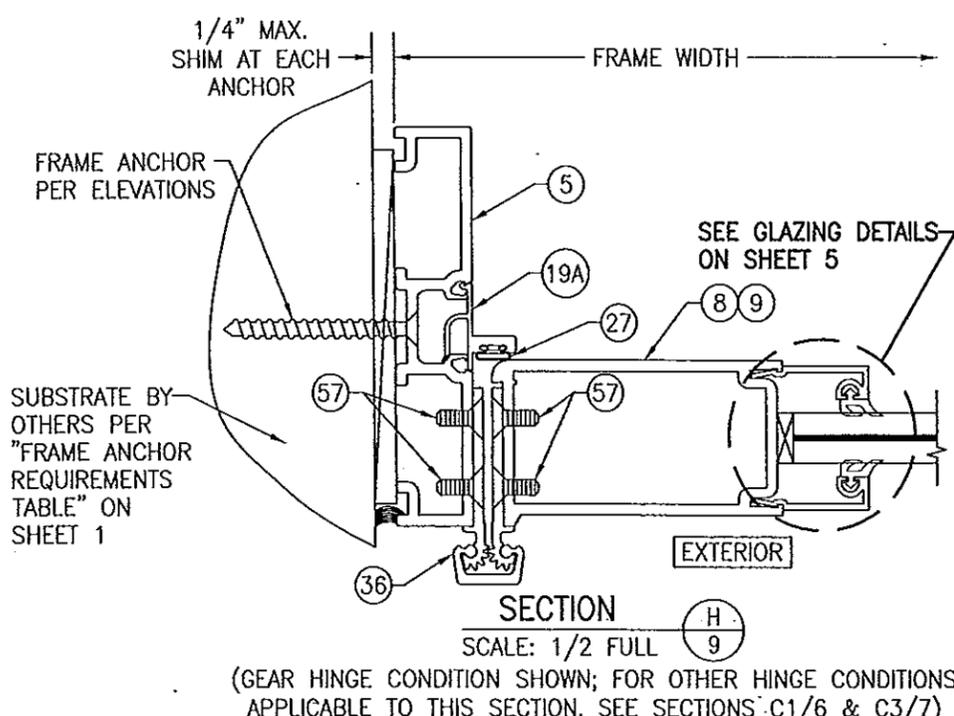
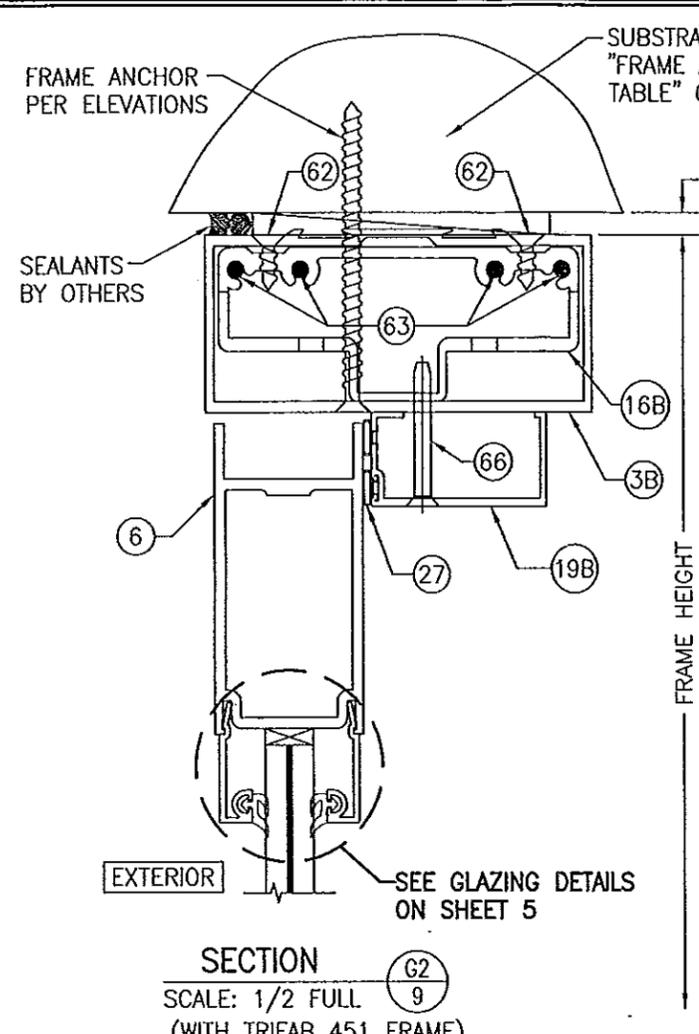
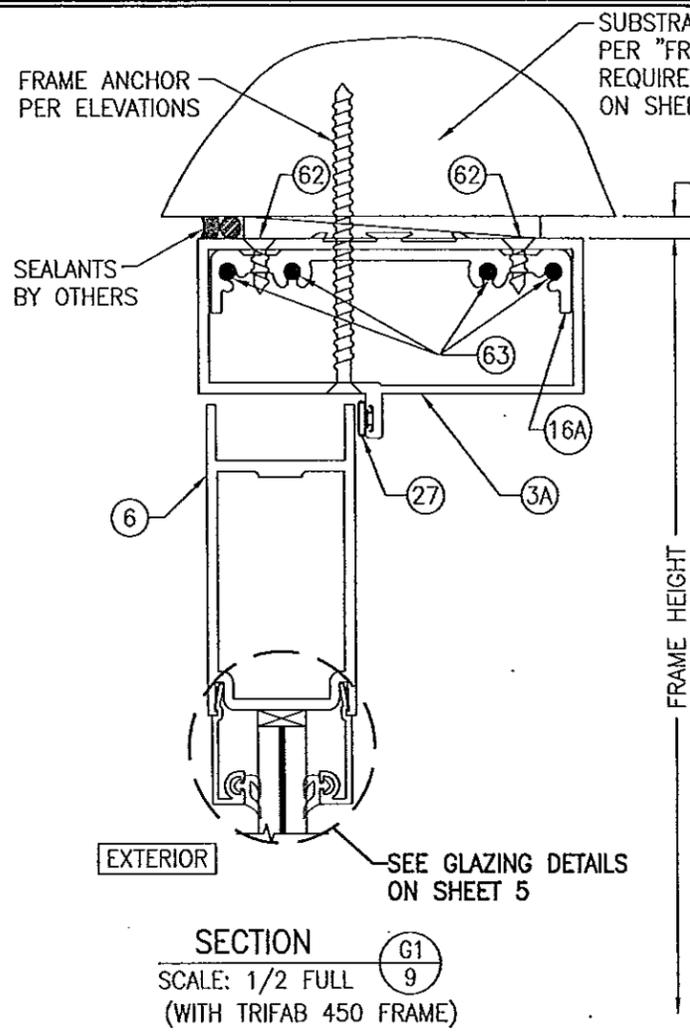


**CORBIN RUSSWIN WS708AKM KEYED INTERIOR MULLION**  
(KEYED LOCK SHOWN IS AT INTERIOR)  
(APPLICABLE WITH CORBIN RUSSWIN ITEM #54 ONLY)

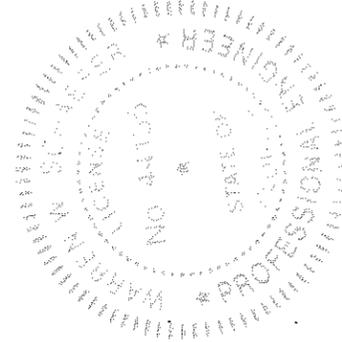
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 14-0602.02  
Expiration Date 02/08/2017  
By *[Signature]*  
Missile Data Product Control



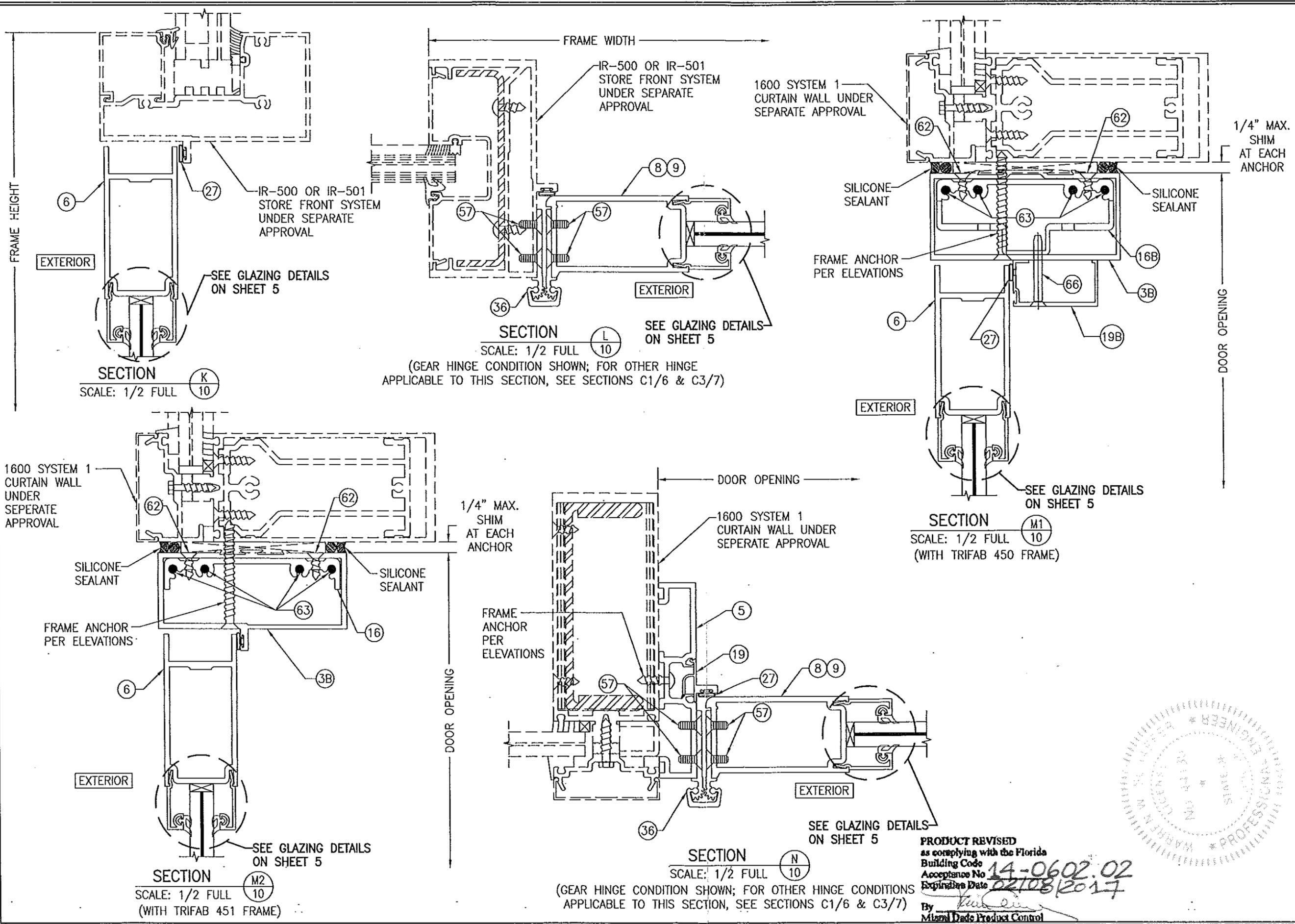
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/11/11
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED	
CONSULTANTS:	MANUFACTURER:
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CERTIFICATION:	MAY 19 2014
WARREN W. SCHAEFER, P.E. P.E. NO. 44193	
DRAWING NO.	REV.
1695	A
SHEET NO.	
8	OF 13



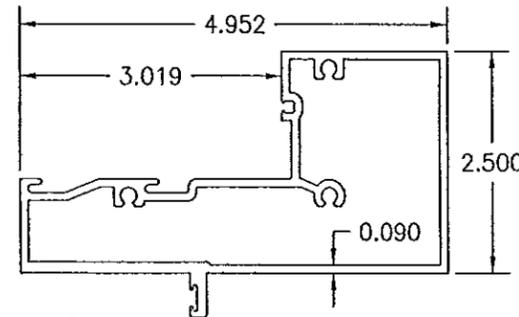
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-0602.02**  
Expiration Date **02/03/2017**  
By *[Signature]*  
Miami Dade Product Control



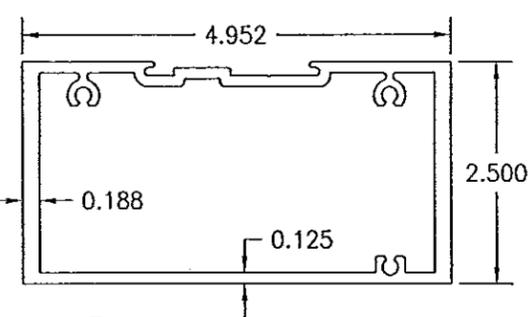
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/11/11
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE: <b>350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED</b>	
MANUFACTURER	<b>KAWNEER COMPANY, INC.</b> 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555
CONSULTANTS	<b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION	<b>MAY 19 2014</b> WARREN V. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
<b>1695</b>	<b>A</b>
SHEET NO. <b>9</b> OF <b>13</b>	



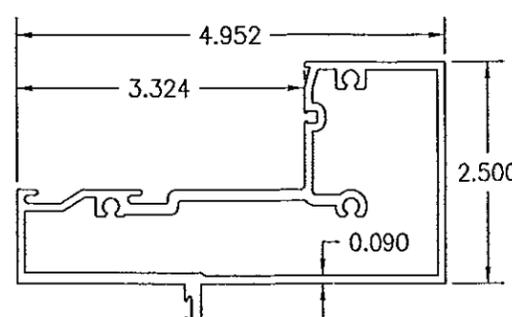
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PLOT: 1-2	DATE: 02/11/11
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555
CERTIFICATION	
MAY 19 2014	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
1695	A
SHEET NO.	
10 OF 13	



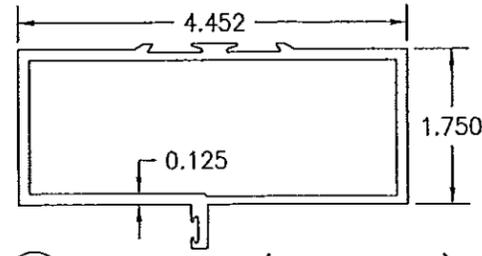
1A) HEAD JAMB (IR-500)



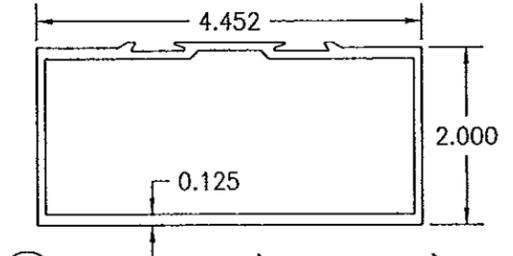
1B) ALTERNATE HEAD JAMB (IR-501)



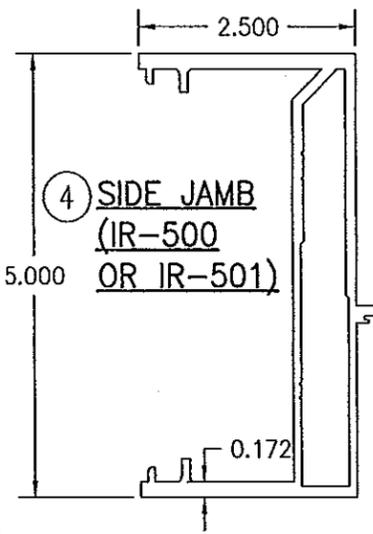
2) HEAD JAMB (IR-501)



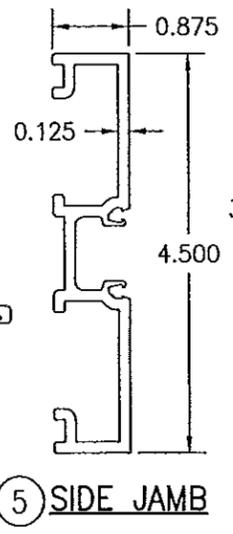
3A) HEAD JAMB (TRIFAB 450)



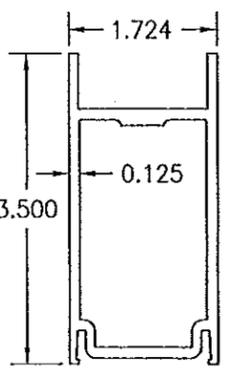
3B) HEAD JAMB (TRIFAB 451)



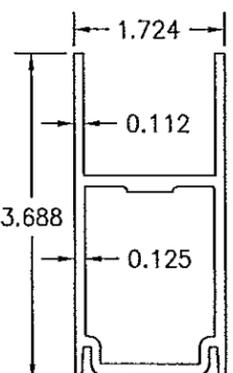
4) SIDE JAMB (IR-500 OR IR-501)



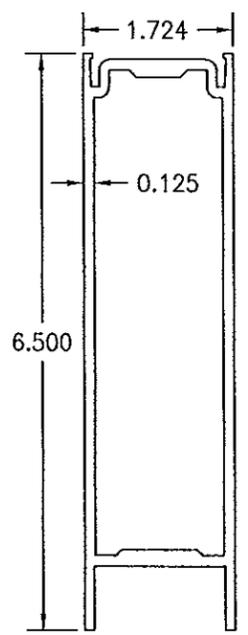
5) SIDE JAMB



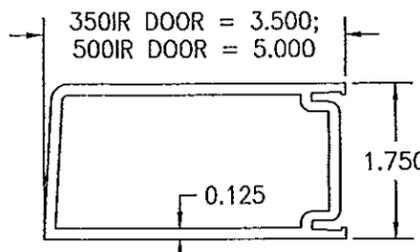
6A) DOOR HEAD RAIL



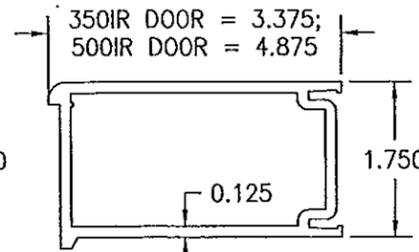
6B) DOOR HEAD RAIL



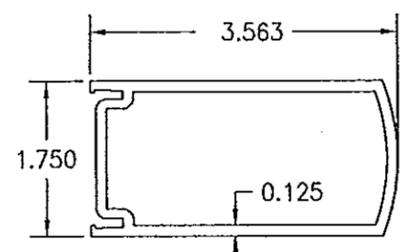
7) DOOR SILL RAIL



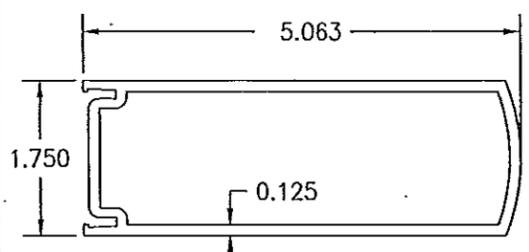
8) DOOR STILE (APPLICABLE WITH BUTT & PIVOT HINGES)



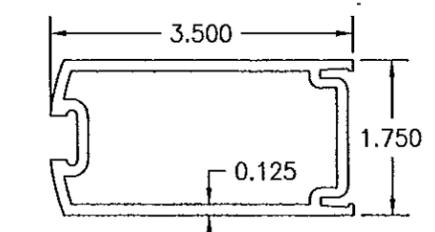
9) DOOR STILE (APPLICABLE WITH CONTINUOUS HINGE)



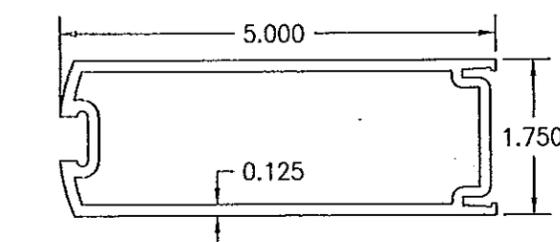
10A) 350IR INACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS WITH THE EXCEPTION OF CORBIN RUSSWIN ITEM #54)



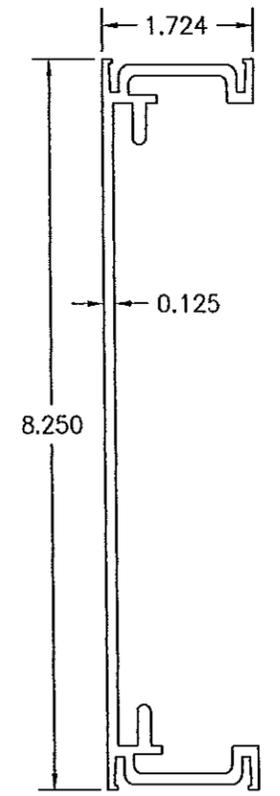
10B) 500IR INACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS)



11A) 350IR ACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS WITH THE EXCEPTION OF CORBIN RUSSWIN ITEM #54)



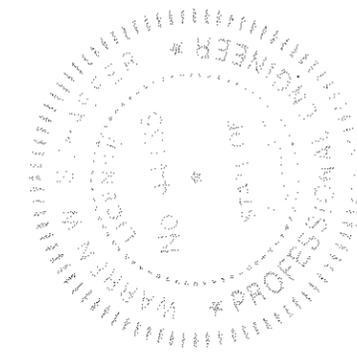
11B) 500IR ACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS)

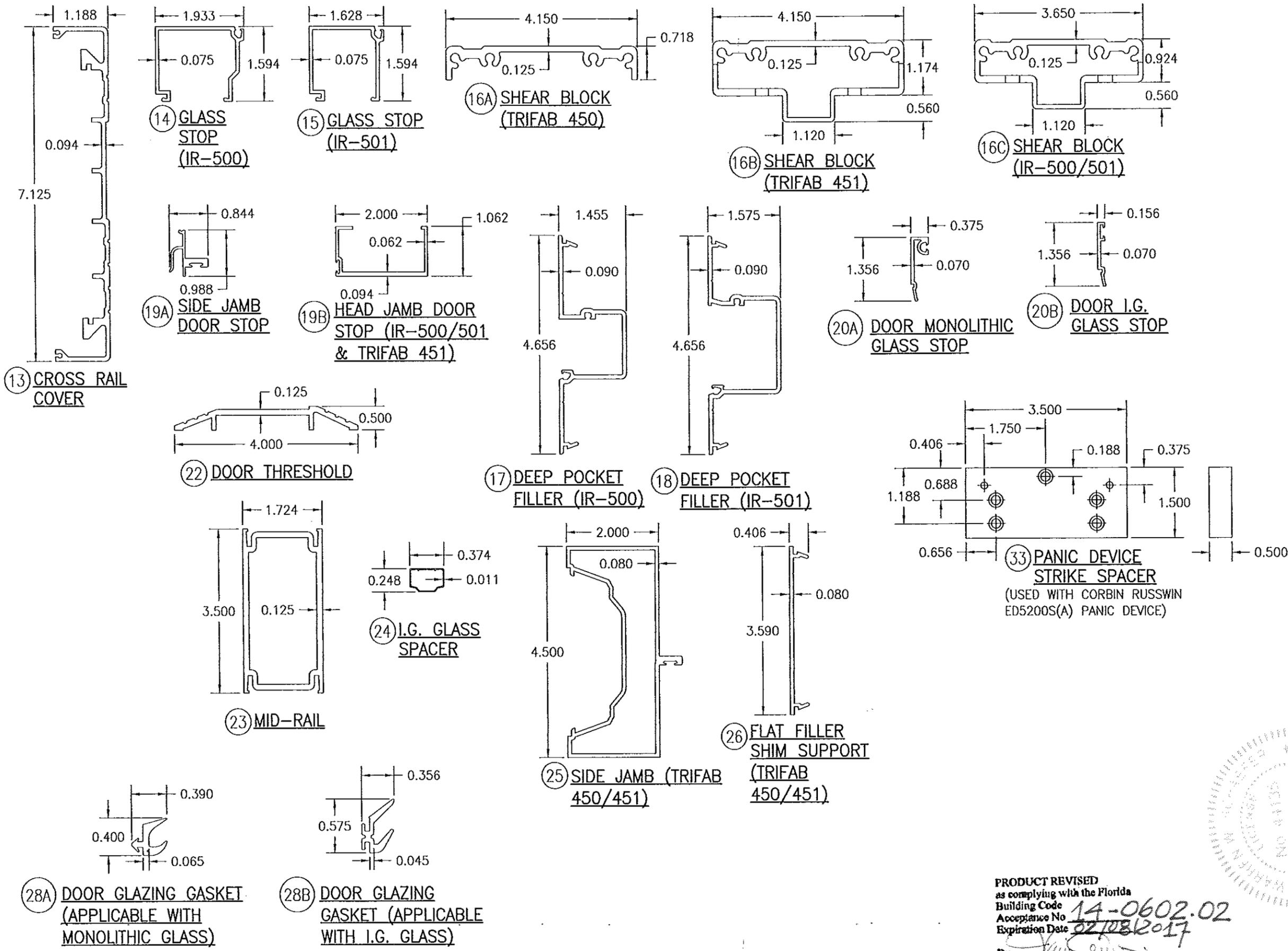


12) DOOR CROSS RAIL

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/11/11	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 350/500IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI DRY GLAZED			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: MAY 19 2014		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1695		REV. A	
SHEET NO. 11 OF 13			

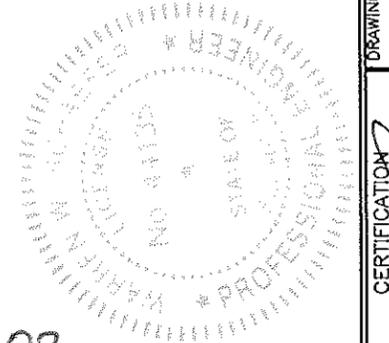
PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 14-0602.02  
 Expiration Date 02/08/2017  
 By: [Signature]  
 Metal Dade Product Control





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PLOT: 1=2		DATE: 02/11/11	
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12 OF 13			

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 Miami Dade Product Control



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	575-022	HEAD JAMB (IR-500)	6063-T6 ALUMINUM
1B	575-162	ALTERNATE HEAD JAMB (IR-500/501)	6063-T6 ALUMINUM
2	575-122	HEAD JAMB (IR-501)	6063-T6 ALUMINUM
3A	450-502	HEAD JAMB (TRIFAB 450)	6063-T6 ALUMINUM
3B	451-079	HEAD JAMB (TRIFAB 451)	6063-T6 ALUMINUM
4	575-051	SIDE JAMB (IR 500-OR IR-501)	6063-T6 ALUMINUM
5	163-036	SIDE JAMB (1600 DR JB ADAPTOR)	6063-T6 ALUMINUM
6A	200-023	DOOR; TOP RAIL	6063-T6 ALUMINUM
6B	200-024	DOOR; TOP RAIL	6063-T6 ALUMINUM
7	200-032	DOOR; BOTTOM RAIL	6063-T6 ALUMINUM
8	200-005	DOOR STILE (APPLICABLE WITH BUTT & PIVOT HINGES)	6063-T6 ALUMINUM
9	200-012	DOOR STILE (APPLICABLE WITH CONTINUOUS HINGES)	6063-T6 ALUMINUM
10A	200-007	350IR INACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS WITH THE EXCEPTION OF CORBIN RUSSWIN ITEM #54)	6063-T6 ALUMINUM
10B	200-010	500IR INACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS)	6063-T6 ALUMINUM
11A	200-006	350IR ACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS WITH THE EXCEPTION OF CORBIN RUSSWIN ITEM #54)	6063-T6 ALUMINUM
11B	200-009	500IR ACTIVE DOOR MEETING STILE (APPLICABLE WITH ALL LOCK/PANIC DEVICE OPTIONS)	6063-T6 ALUMINUM
12	233-013	DOOR CROSS RAIL	6063-T6 ALUMINUM
13	033-105	CROSS RAIL COVER	6063-T6 ALUMINUM
14	575-004	GLASS STOP (IR-500)	6063-T6 ALUMINUM
15	575-104	GLASS STOP (IR-501)	6063-T6 ALUMINUM
16A	450-103	SHEAR BLOCK (TRIFAB 450)	6063-T6 ALUMINUM
16B	451-141	SHEAR BLOCK (TRIFAB 451)	6063-T6 ALUMINUM
16C	400-140	SHEAR BLOCK (IR-500/501)	6063-T6 ALUMINUM
17	575-035	DEEP POCKET FILLER (IR-500)	6063-T6 ALUMINUM
18	575-135	DEEP POCKET FILLER (IR-501)	6063-T6 ALUMINUM
19A	450-520	SIDE JAMB DOOR STOP	6063-T6 ALUMINUM
19B	041-045	HEAD JAMB DOOR STOP (451 & 500/501)	6063-T6 ALUMINUM
20A	575-043	DOOR MONOLITHIC GLASS STOP	6063-T6 ALUMINUM
20B	575-040	DOOR I.G. GLASS STOP	6063-T6 ALUMINUM
22	069-139	DOOR THRESHOLD	6063-T6 ALUMINUM
23	200-058	MID-RAIL	6063-T6 ALUMINUM
24	200-058	I.G. GLASS SPACER	3005 OR 3105 ALUMINUM
25	451-064	SIDE JAMB (TRIFAB 450/451)	6063-T6 ALUMINUM
26	450-126	FLAT FILLER SHIM SUPPORT (TRIFAB 450/451)	6063-T6 ALUMINUM
SEALS AND SEALANTS			
27	027-078	DOOR BULB WEATHERING	ALCRYN
28A	027-563	DOOR GLAZING GASKET (APPLICABLE WITH MONOLITHIC GLASS)	TREMCO TR-13536E EPDM DUROMETER 70 +/-5
28B	027-557	DOOR GLAZING GASKET (APPLICABLE WITH I.G. GLASS)	KRP 027-557 POLYPROPYLENE & SANTOPRENE DUROMETER 65 +/-5
30A	027-342	DOOR SETTING BLOCK (APPLICABLE WITH MONOLITHIC GLASS)	NEOPRENE
30B	027-059	DOOR SETTING BLOCK (APPLICABLE WITH I.G. GLASS)	NEOPRENE
31	200-795	DOOR BOTTOM RAIL WEATHER SWEEP	VARIED
32	200-497	ADJUSTABLE ASTRAGAL WEATHERING	VARIED
33	966-193	PANIC DEVICE STRIKE SPACER	ALUMINUM; USED W/LOCK ITEM #54

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HARDWARE			
36	050-821	CONTINUOUS GEAR HINGE	HAGER/ROTON
37	037-232	BUTT HINGE	HAGER
38	050-322	TOP OFFSET PIVOT HINGE	KAWNEER
	050-331	INTERMEDIATE OFFSET PIVOT HINGE	
	050-326	RH BOTTOM OFFSET PIVOT HINGE	
	050-327	LH BOTTOM OFFSET PIVOT HINGE	
39	-	ACTIVE DOOR LOCK ASSEMBLY	ADAMS-RITE 1850 3-POINT LOCK SYSTEM WITH KAWNEER'S CYLINDER,
40	50-079	INACTIVE DOOR TOP FLUSH BOLT	ADAMS-RITE 1850 FLUSH BOLT SYSTEM WITH KAWNEER'S PUSH PACKAGE
	50-075	INACTIVE DOOR BOTTOM FLUSH BOLT	
41	-	ACTIVE DOOR LOCK ASSEMBLY	ADAMS-RITE MS 1850 3-POINT LOCK SYSTEM WITH KAWNEER'S CYLINDER, THUMBTURN & PUSH PACKAGE
42	-	INACTIVE DOOR LOCK ASSEMBLY	ADAMS-RITE 2180 2-POINT LOCK SYSTEM WITH KAWNEER'S PUSH PACKAGE
45	-	CONCEALED ROD EXIT/PANIC DEVICE	JACKSON 2086
46	-	CONCEALED ROD EXIT/PANIC DEVICE	KAWNEER 1686
47	-	CONCEALED ROD EXIT/PANIC DEVICE	SARGENT 8400
48	-	CONCEALED ROD EXIT/PANIC DEVICE	PANELINE CR-90
49	-	CONCEALED ROD EXIT/PANIC DEVICE	SARGENT AD8400
50	-	CONCEALED ROD EXIT/PANIC DEVICE	VON DUPRIN HH9947
51	-	CONCEALED ROD EXIT/PANIC DEVICE	CALIBRE 9100
52	-	CONCEALED ROD EXIT/PANIC DEVICE	ADAMS RITE G86
53	-	CONCEALED ROD EXIT/PANIC DEVICE	FALCON HH1690
54	-	RIM PANIC DEVICE WITH KEYED REMOVABLE MULLION	CORBIN RUSSWIN ED5200S(A)
MISCELLANEOUS FASTENERS			
55	-	NO. 12 X 2" SCREW	3" FROM ENDS & MAX. 11" O.C.
56	-	NO. 12-24 X 9/16" S.S SCREW	8 PER HINGE
57	-	NO. 12-24 X 13/32" SCREW	2 9/16" FROM ENDS & MAX. 5 1/8" O.C. (52 MAX. PER HINGE)
58	-	5/16"-18 X 5/8" SCREW	2 PER TOP PIVOT HINGE
59	-	NO. 12-24 X 9/16" S.S SCREW	2 PER INTERMEDIATE PIVOT HINGE
60	-	1/4-20 X 3/8" SCREW	3 PER BOTTOM PIVOT HINGE
61	-	NO. 6 X 11/16" SCREW	10 PER LEAF
62	-	NO. 10 X 9/16" S.S SCREW	2 PER CLIP
63	-	NO. 10 X 1 19/32" S.S. SCREW	4 PER CLIP
65	-	NO. 6 X 3/4" S.S. SCREW	1/4" FROM ENDS & MAX. 9 17/32" O.C.
66	-	NO. 10 X 1 5/8" FHTF "B" SCREW	1" FROM ENDS & MAX. 16" O.C.

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