



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) 375-2908

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

## NOTICE OF ACCEPTANCE (NOA)

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, Georgia 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 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 High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Series "350IR" Outswing Aluminum Storefront Door-L. M. Impact

**APPROVAL DOCUMENT:** Drawing No. 1460, titled "350IR" Outswing Aluminum Storefront Door", sheets 1 thru 9 of 9, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/10/05 and last revised on Jan 14, 2010, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision Stamp with Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large Missile Impact Resistant

#### Limitation:

1. See design pressure limitations on sheet 4 of 9, lower design pressure of all applicable tables shall control.
2. The Jackson 2086 Panic Device (item #45) is qualified to  $D_p = +/- 90$  psf, all other panic devices listed on sheets 4 & material sheet 9 are limited per Panic devices table, sheet 4.

**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 revises NOA # 09-0129.01 consists of this page 1 and evidence page E-1& E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 09-0930.11

Expiration Date: February 08, 2012

Approval Date: March 24, 2010

Page 1



3/12/10

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections. (transferred from file # 09-0129.01)
2. Drawing No. 1460, titled "350IR" Outswing Aluminum Storefront Door", sheets 1 thru 9 of 9, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/10/05 and last revised on Jan 14, 2010, signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS (transferred from file # 09-0129.01)**

1. 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) Large 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 and outswing door w/ storefront, prepared by Hurricane Testing Laboratory Inc, Test Report No(s). **HTL-G049-0201.09**, dated 07/01/09, signed & sealed by Vinu J. Abraham, P.E. (Note: The test report **HTL-G049-0201.09** has been revised by addendum letters February 02, issued by Hurricane Testing Laboratory Inc, signed & sealed by Vinu J. Abraham, P.E.

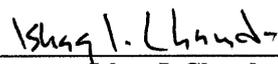
2. Test reports on
  - 1) Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
  - 5) Large Missile impact Test per 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 and outswing door w/ storefront/curtain wall system, prepared by Hurricane Testing Laboratory Inc, Test Report No(s). **HTL-G049-1005-06**, **HTL-G049-1201-05** and **0049-0111-06**, dated 01/31/07 and 12/05/05-01/24/06 respectively, signed & sealed by Vinu J. Abraham, P.E. (transferred from file # 09-0416.02)

(Note: The test report **HTL-G049-1005-06** has been revised by addendum letters June 07, 2007, issued by Hurricane Testing Laboratory Inc, signed & sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations complying w/ FBC-2007, dated Sep 22, 2009 and last revised on Jan 13, 2010, prepared, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E-1300-02 and ASTM E-1300-04



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Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 09-0930.11  
Expiration Date: February 08, 2012  
Approval Date: March 24, 2010

**Kawneer Company, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE BY:**

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

**E. MATERIAL CERTIFICATIONS**

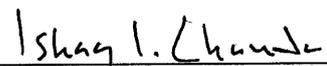
1. Notice of Acceptance No. **08-0520.08** issued to Solutia, for "Vanceva™", expiring on 12/11/2013.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours, for "DuPont Butacite ® PVB", expiring on 12/11/2010
3. Notice of Acceptance No. **06-0216.06** issued to Solutia, for "Saflex IIIG clear & color interlayer", expiring on 05/21/2011.

**F. STATEMENTS**

1. Statement letters of conformance and "No financial interest", both dated Sep. 22, 2009, signed and sealed by Warren W. Schaefer, P.E.
2. Statement of compliance, issued as part of the above referenced test report issued by Hurricane Testing Laboratory.

**G. OTHER**

1. This NOA **revises** NOA # **09-0129.01**, expiring on February 08, 2012.
2. Additional test commitment letter dated Jan 13, 2010, issued by W.W. Schaefer Engineering, on behalf of Kawneer Co., for side frame (J B adapter) test as part of dry glazed unit, signed and sealed by Warren W. Schaefer, P.E.
3. Test proposal # **05-0149** approved by BCCO dated 06/20/05.



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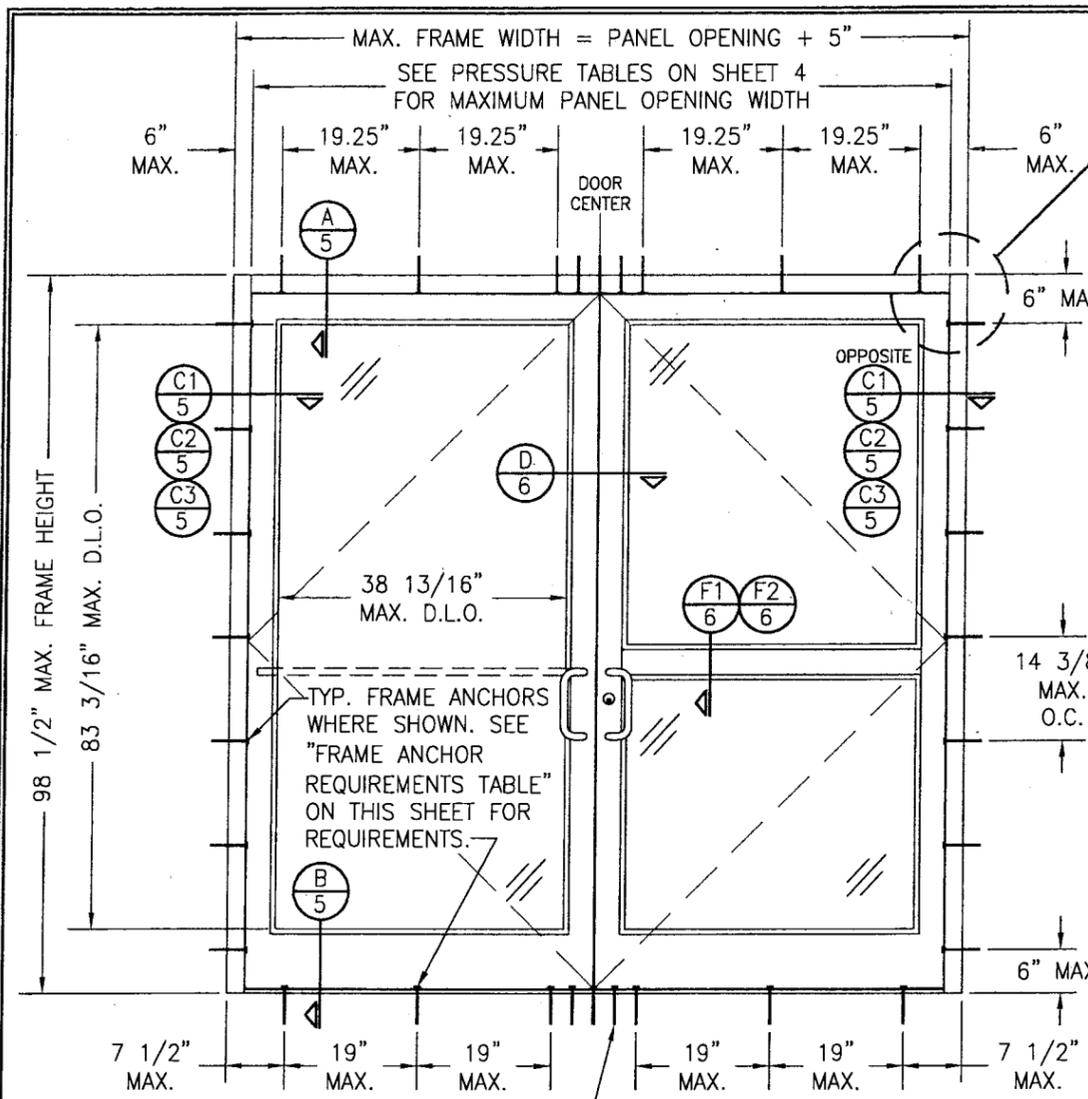
Ishaq I. Chanda, P.E.

Product Control Examiner

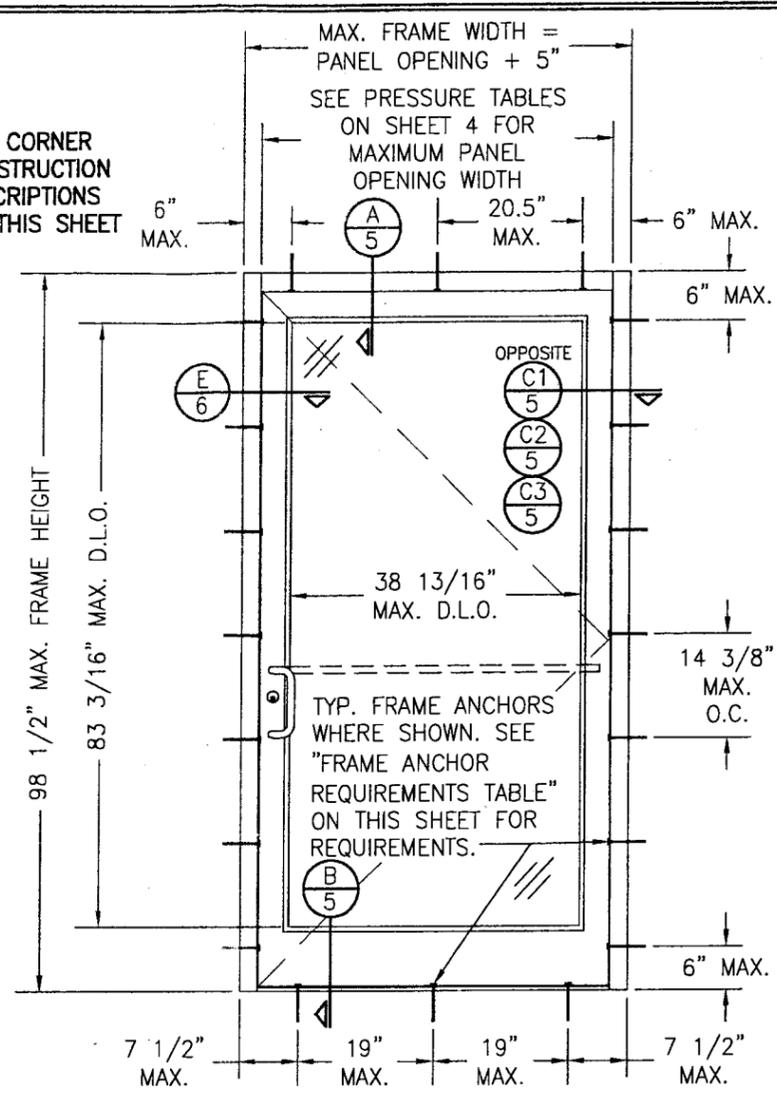
NOA No 09-0930.11

Expiration Date: February 08, 2012

Approval Date: March 24, 2010



**EXTERIOR ELEVATION:  
DOUBLE DOOR ASSEMBLY WITH  
STORE FRONT FRAMING**  
SCALE: 1/2"=1'-0"



**EXTERIOR ELEVATION:  
SINGLE DOOR ASSEMBLY WITH  
STORE FRONT FRAMING**  
SCALE: 1/2"=1'-0"

**ALLOWABLE DESIGN PRESSURE**  
SEE SHEET 4

(\*) 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.

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

**FRAME HEAD CORNER:** 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 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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Approved By: 09-0930.11  
Date: Feb 8, 2012  
Warren W. Schaefer, P.E.  
Product Control  
Division

**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 1/2"	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 TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).  
(2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/10/05	
DATE	BY	DATE	BY
04/04/07	WWS	01/13/09	WRM
08/28/08	WRM	08/28/08	WRM
NO.	REVISION DESCRIPTION	NO.	REVISION DESCRIPTION
A1	ADDED SMALLER DOOR TO HIGHER PRESSURE CONDITION	B1	ADDED WOOD SUBSTRATE TO 90 PSF
		C1	NEW GLAZING & LOCKS
DRAWING TITLE: 350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED			
MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
DRAWING NO. 1460			
REV. C			
SHEET NO. 1 OF 9			

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=24	DATE:	11/10/05
NO.		REVISION	DESCRIPTION

3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED

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

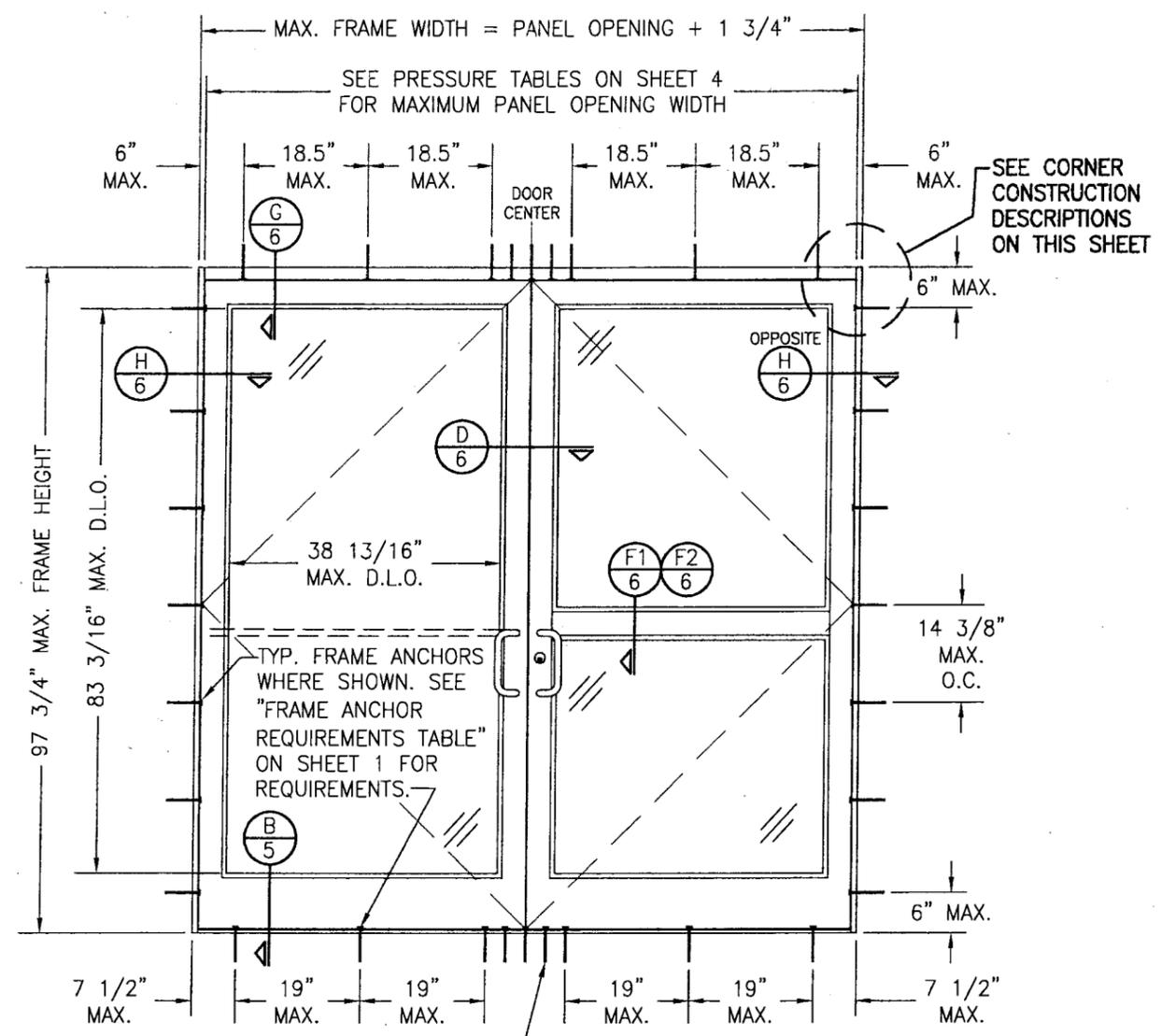
CONSULTANTS  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

DRAWING TITLE  
 3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED

CERTIFICATION  
**JAN 14 2010**

DRAWING NO. 1460  
 SHEET NO. 2 OF 9

REV. C



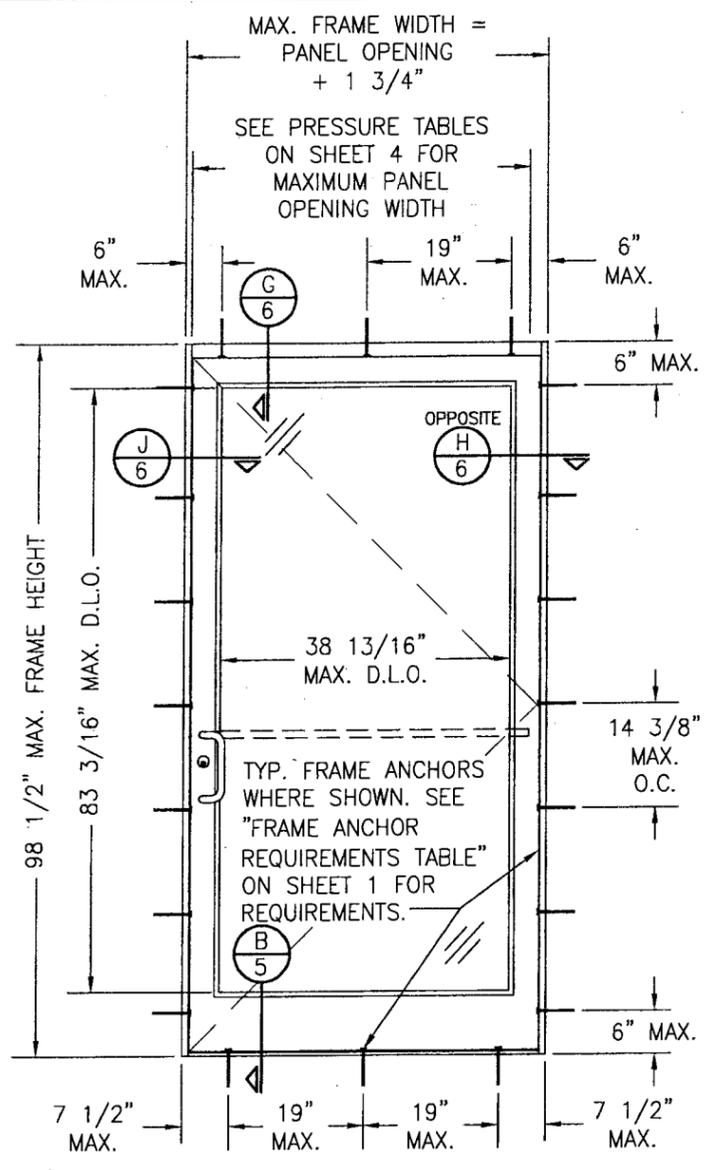
**EXTERIOR ELEVATION:  
 DOUBLE DOOR ASSEMBLY WITH  
 STANDARD FRAMING**  
 SCALE: 1/2"=1'-0"

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).

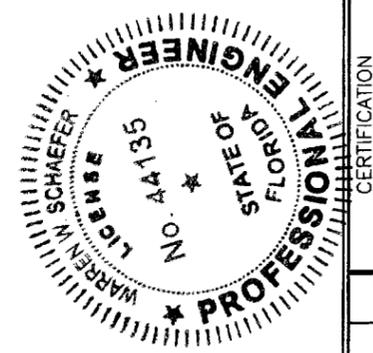
ALLOWABLE DESIGN PRESSURE  
 SEE SHEET 4

**CORNER & FRAME END CONSTRUCTION FOR SHEET 2 ELEVATIONS:**

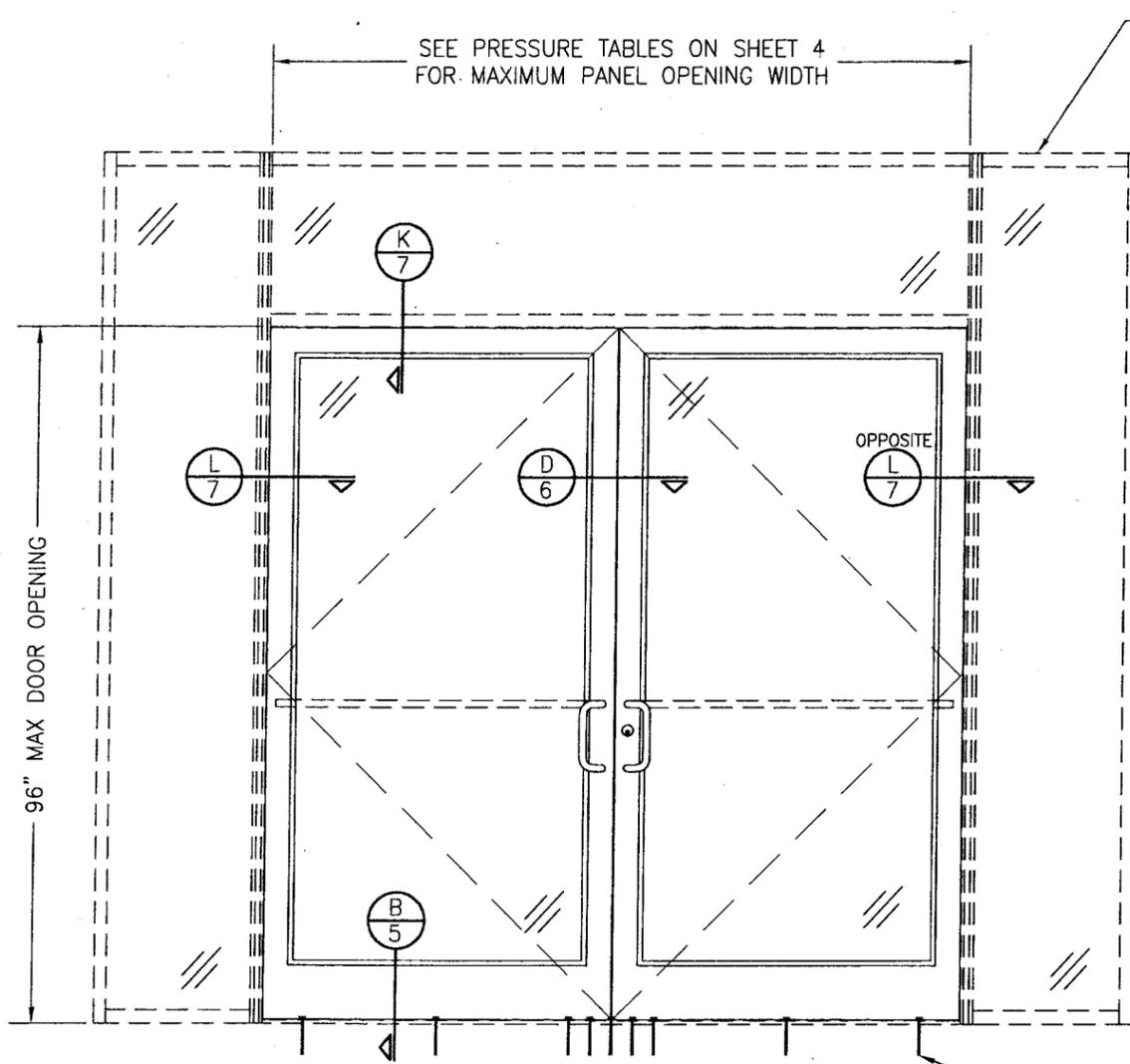
**FRAME HEAD CORNER:** HEAD IS SQUARE CUT, BUTTED TO SIDE, SECURED WITH SHEAR BLOCK ITEM# 16 (SEE SECTION G/5 & M/6) & SEALED WITH SILICONE.  
**FRAME SILL CORNER:** SILL IS SQUARE CUT, BUTTED TO SIDE, SECURED TO THE SIDE MEMBER USING A PIVOT ASSEMBLY OR STEEL CLIP, FASTENED WITH THREE (3) NO. 12-24 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 & MIDRAIL ENDS:** SEE SHEET 1 CORNER DESCRIPTIONS.



**EXTERIOR ELEVATION:  
 SINGLE DOOR ASSEMBLY WITH  
 STANDARD FRAMING**  
 SCALE: 1/2"=1'-0"



09-0930.11  
 Feb. 8, 2012  
 Islag, I. Chank



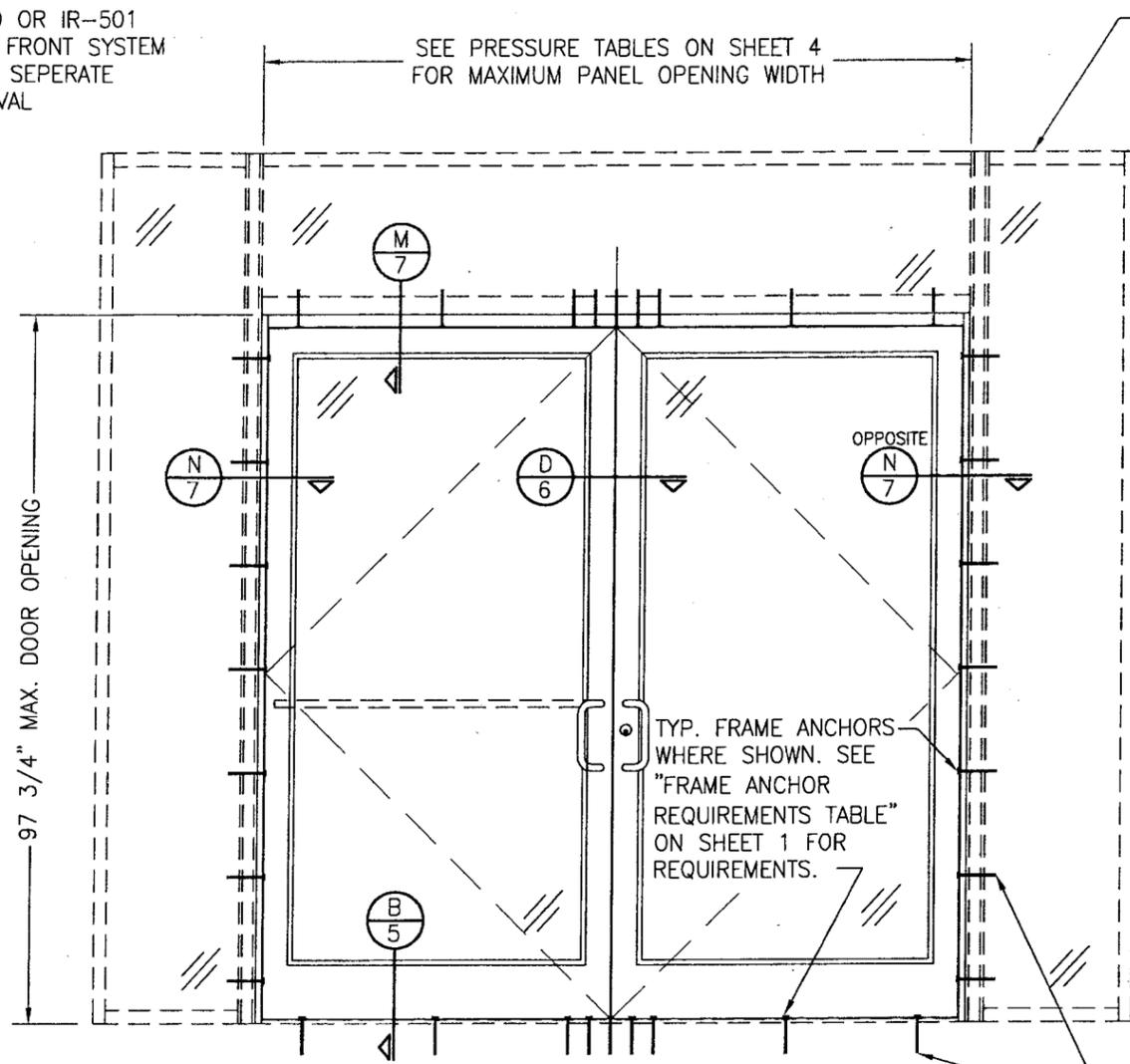
**EXTERIOR ELEVATION:**  
**DOORS INSIDE IR-500 OR IR-501 STORE FRONT SYSTEM**  
 SCALE: 1/2"=1'-0"

**NOTES:**

1. FOR DETAILS NOT SHOWN, SEE ELEVATIONS ON SHEET 1.
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.

SEE ELEVATION SHEET 1 FOR SILL ANCHOR REQUIREMENTS & ANCHOR LOCATIONS

**ALLOWABLE DESIGN PRESSURE**  
 SEE SHEET 4



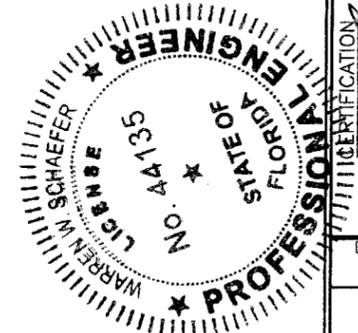
**EXTERIOR ELEVATION:**  
**DOORS INSIDE 1600 SYSTEM 1 CURTAIN WALL**  
 SCALE: 1/2"=1'-0"

**NOTES:**

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

SEE ELEVATION SHEET 2 FOR ANCHOR REQUIREMENTS & ANCHOR LOCATIONS

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. **09-0930.11**  
 Expiration Date **Feb. 8, 2012**  
 By **Isaac L. Chank**  
 Miami Dade Product Control Division



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/10/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: <b>350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED</b>			
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER: <b>KAWNEER COMPANY, INC.</b>	
8885 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
DRAWING NO. <b>1460</b>		REV. <b>C</b>	
SHEET NO. <b>3</b>		OF <b>9</b>	

**ALLOWABLE DESIGN PRESSURE  
(AS RESTRICTED BY GLASS & GLAZING)**

MAXIMUM DOOR PANEL OPENING WIDTH (IN.)		APPLICABLE GLAZING DETAIL	APPLICABLE GLASS OPTIONS	ALLOWABLE PRESSURE (+/-PSF)
DOUBLE DOOR	SINGLE DOOR			
96	48	1	1 & 2	65
96	48	2	1, 2, 3 & 5	70
96	48	2	4	90
84	42	1	3 & 4	90

**ALLOWABLE DESIGN PRESSURE  
(AS RESTRICTED BY PANIC DEVICES)**

MAXIMUM DOOR PANEL OPENING WIDTH (IN.)		PANIC DEVICE	ALLOWABLE PRESSURE (+/-PSF)
DOUBLE DOOR	SINGLE DOOR		
96	48	SARGENT AD8400	70
96	48	ADAMS RITE G86	70
96	48	CALIBRE 9100	70
96	48	VON DUPRIN 9947	40
96	48	JACKSON 2086	90
84	42	KAWNEER 1686	90
96	48	PANELINE CR-90	70
96	48	SARGENT 8400	65

**PRESSURE TABLE NOTES (ALL TABLES)**

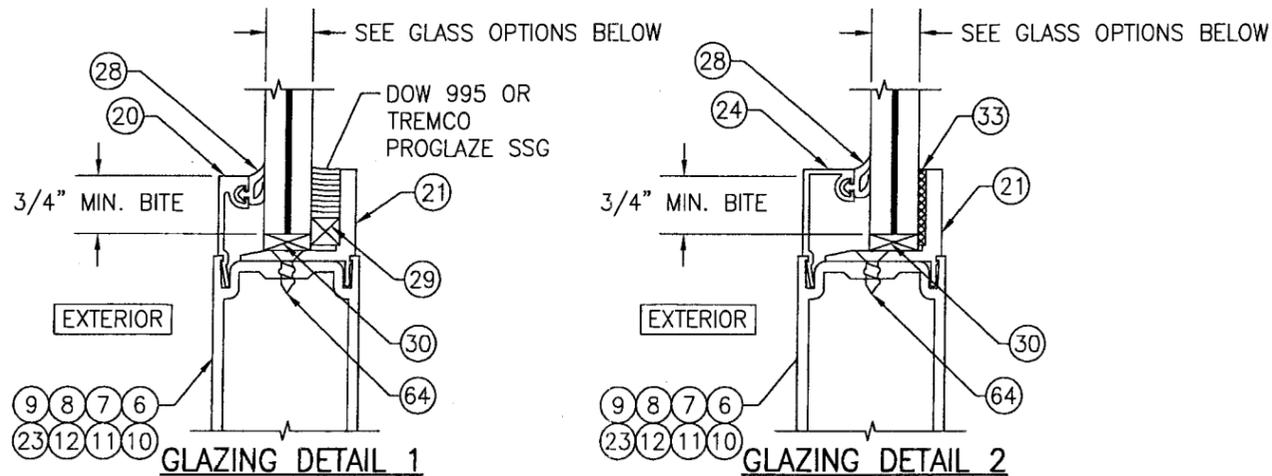
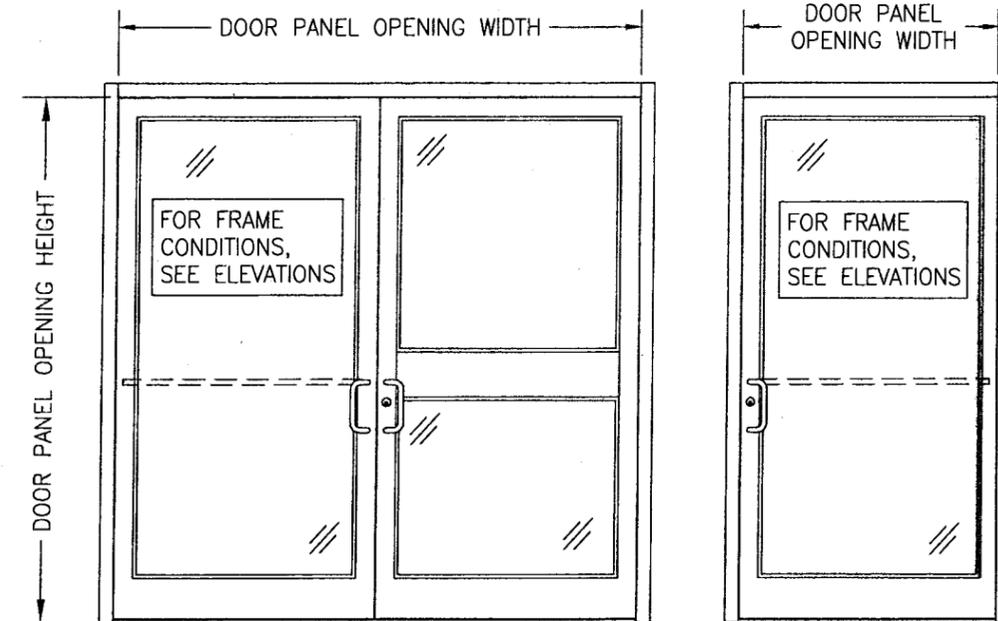
1. CONDITIONS IN THESE TABLES ARE APPLICABLE FOR ALL DOORS TO THEIR MAXIMUM PANEL HEIGHT OF 96".
2. SEE GLAZING DETAILS ON THIS SHEET FOR GLAZING DETAILS & GLASS OPTIONS APPLICABLE TO THESE TABLES.
3. SEE ELEVATIONS ON THIS SHEET FOR VIEW OF DOOR PANEL OPENING HEIGHT & WIDTH.
4. THE LESSER PRESSURE IN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

**ALLOWABLE DESIGN PRESSURE  
(AS RESTRICTED BY LOCKS)**

MAXIMUM DOOR PANEL OPENING WIDTH (IN.)		LOCK CONDITION	ALLOWABLE PRESSURE (+/-PSF)
DOUBLE DOOR	SINGLE DOOR		
96	48	1	70
84	42	1	90
96	48	2	90

**LOCK CONDITION 1:**  
ACTIVE DOOR: SEE ITEM #39 ON SHEET 9 FOR LOCK REQUIREMENTS  
INACTIVE DOOR: SEE ITEM #40 ON SHEET 9 FOR LOCK REQUIREMENTS

**LOCK CONDITION 2:**  
ACTIVE DOOR: SEE ITEM #41 ON SHEET 9 FOR LOCK REQUIREMENTS  
INACTIVE DOOR: SEE ITEM #42 ON SHEET 9 FOR LOCK REQUIREMENTS



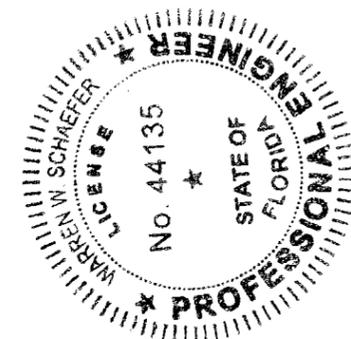
**GLASS 1: OPTIONS:**

- OPTION 1: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 SOLUTIA SAFLEX IIIIG PVB/1/4" HT. ST.)
- OPTION 2: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 DUPONT BUTICITE PVB/1/4" HT. ST.)
- OPTION 3: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 DUPONT SGP/1/4" HT. ST.)
- OPTION 4: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.077" SOLUTIA VANCEVA/1/4" HT. ST.)

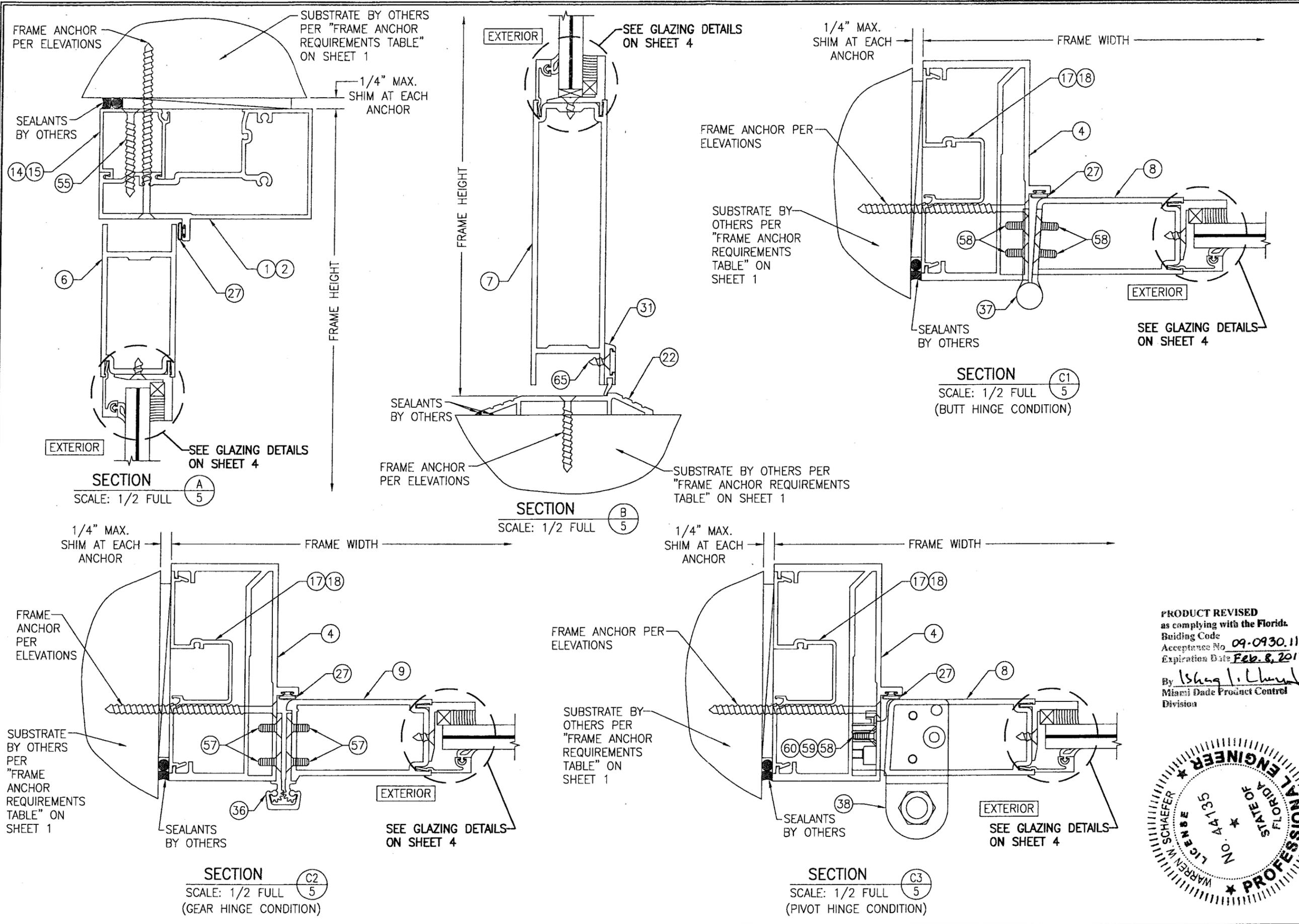
**GLASS 2: OPTIONS:**

- OPTION 1: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 SOLUTIA SAFLEX IIIIG PVB/1/4" HT. ST.)
- OPTION 2: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 DUPONT BUTICITE PVB/1/4" HT. ST.)
- OPTION 3: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 DUPONT SGP/1/4" HT. ST.)
- OPTION 4: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.077" SOLUTIA VANCEVA/1/4" HT. ST.)
- OPTION 5: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.10" SOLUTIA SAFLEX HP/1/4" HT. ST.)

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 09-0930.11  
Expiration Date Feb. 8, 2012  
By *Isaac L. Charles*  
Miami Dade Product Control Division

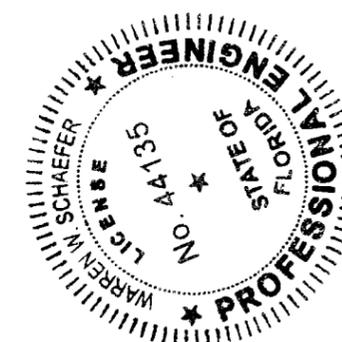


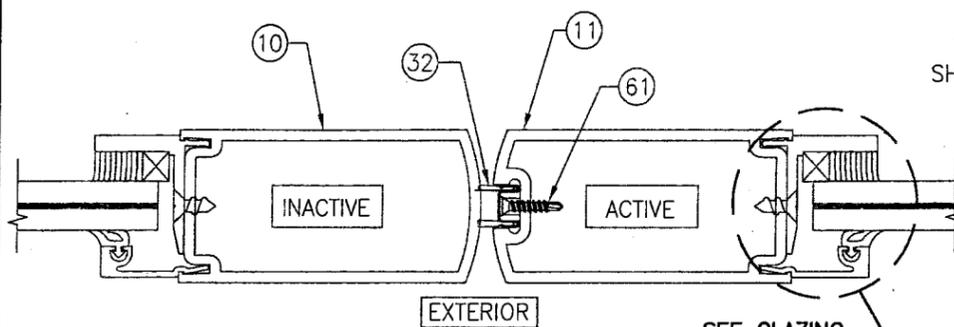
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PLOT: 1-24	DATE: 11/10/05
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE 3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION JAN 14 2010	WARREN W. SCHAEFFER, P.E. P.E. NO. 44135
DRAWING NO. 1460	REV. C
SHEET NO. 4 OF 9	



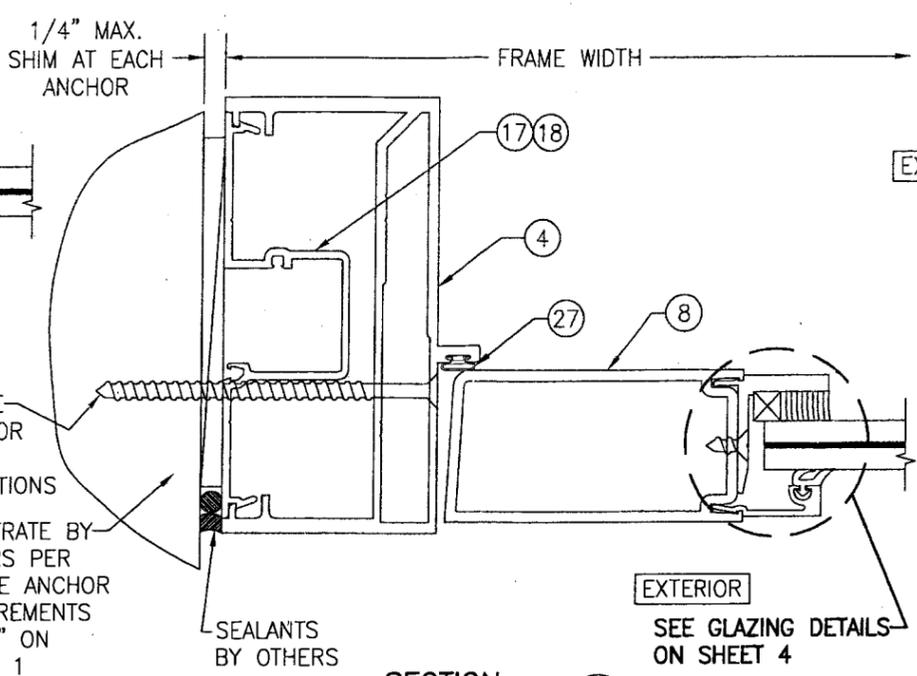
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PLOT: 1=2		DATE: 11/10/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 350R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KAWNEER COMPANY, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4802 FAX: 561-775-4903		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: <b>WARREN W. SCHAEFER</b> , P.E. LICENSE NO. 44135, STATE OF FLORIDA. <b>JAN 14 2010</b>			
DRAWING NO. 1460	REV. C	SHEET NO. 5 OF 9	

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 09-0930.11  
 Expiration Date Feb. 8, 2012  
 By *Shag L. Chung*  
 Miami Dade Product Control  
 Division

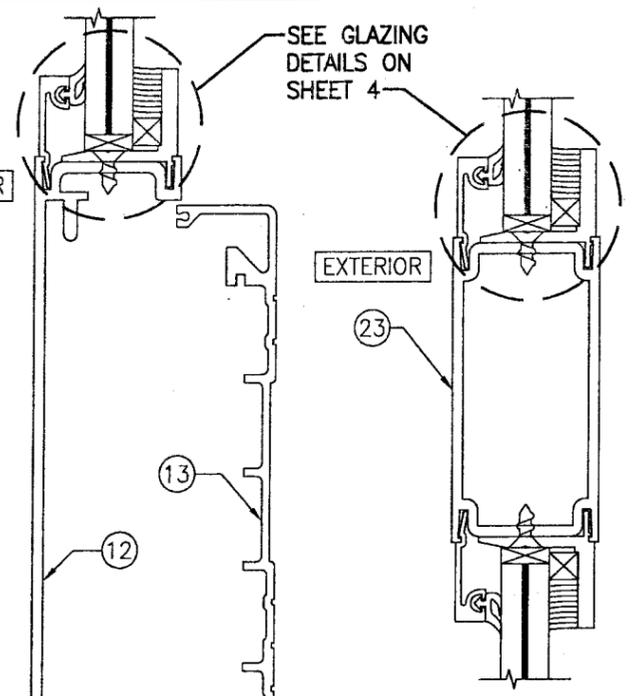




SECTION D  
SCALE: 1/2 FULL



SECTION E  
SCALE: 1/2 FULL

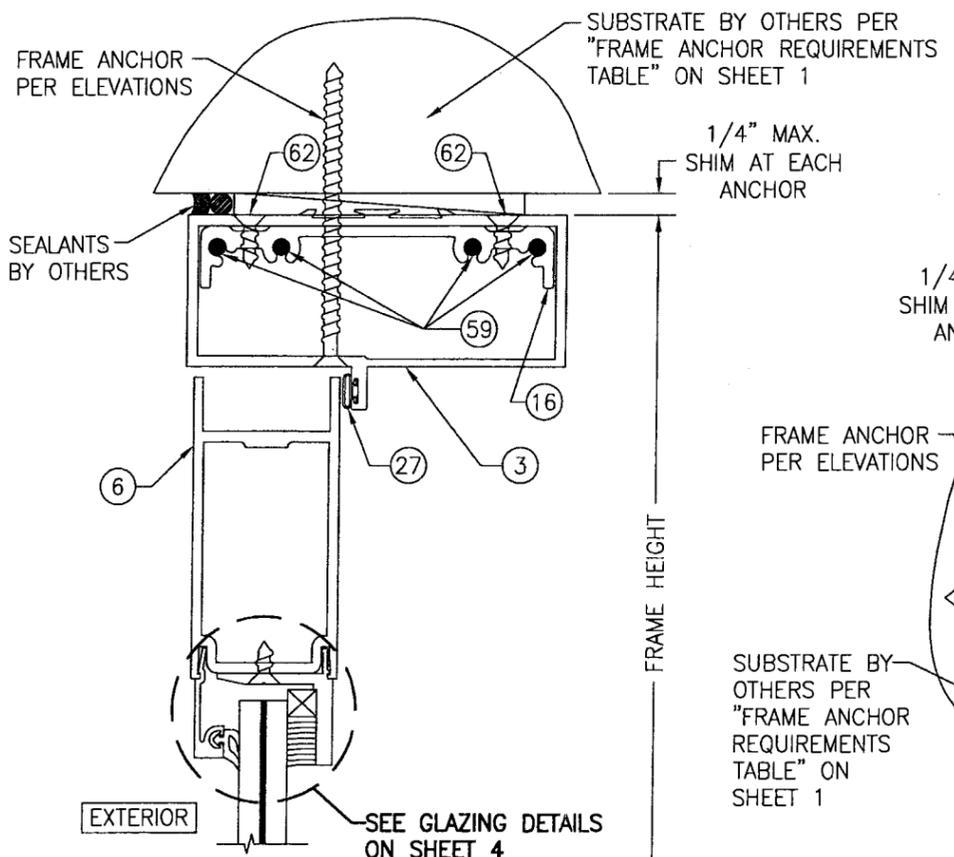


SECTION F2  
SCALE: 1/2 FULL

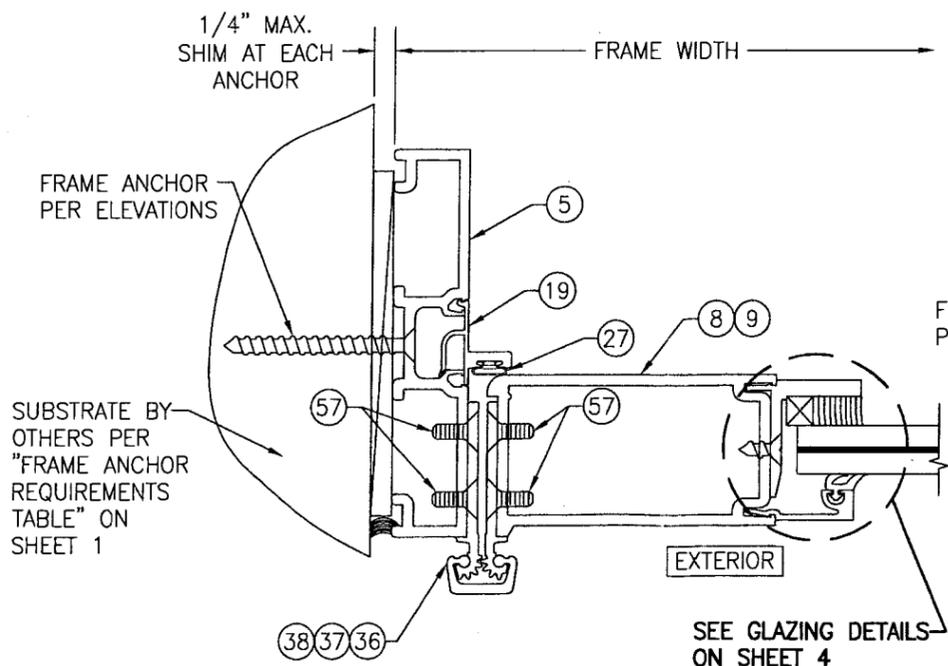
NOTE: THIS MID-RAIL MAY NOT BE USED ON DOORS WITH REQUIRED DESIGN PRESSURE OVER +/-70 PSF.

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 09-0930.11  
Expiration Date Feb. 8, 2012

By *Ismael J. Chank*  
Miami Dade Product Control Division

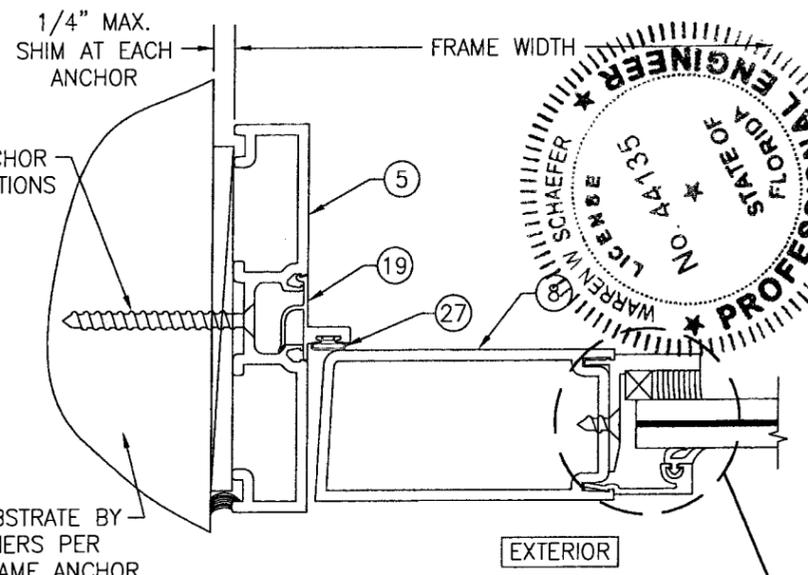


SECTION G  
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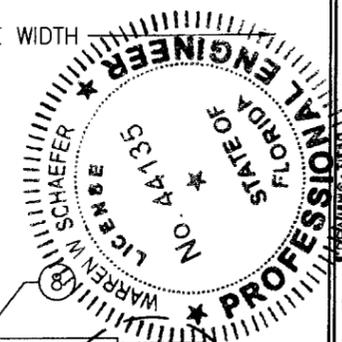
SECTION H  
SCALE: 1/2 FULL

(GEAR HINGE CONDITION SHOWN; FOR OTHER HINGE CONDITIONS APPLICABLE TO THIS SECTION, SEE SECTIONS C1/5 & C3/5)

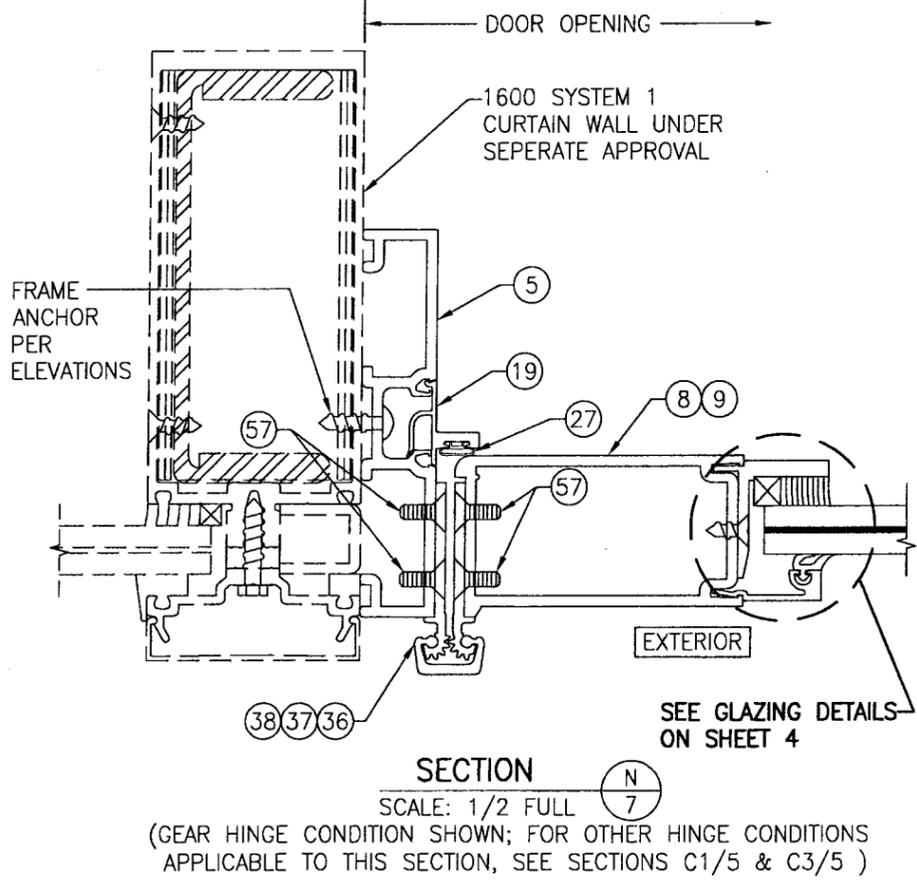
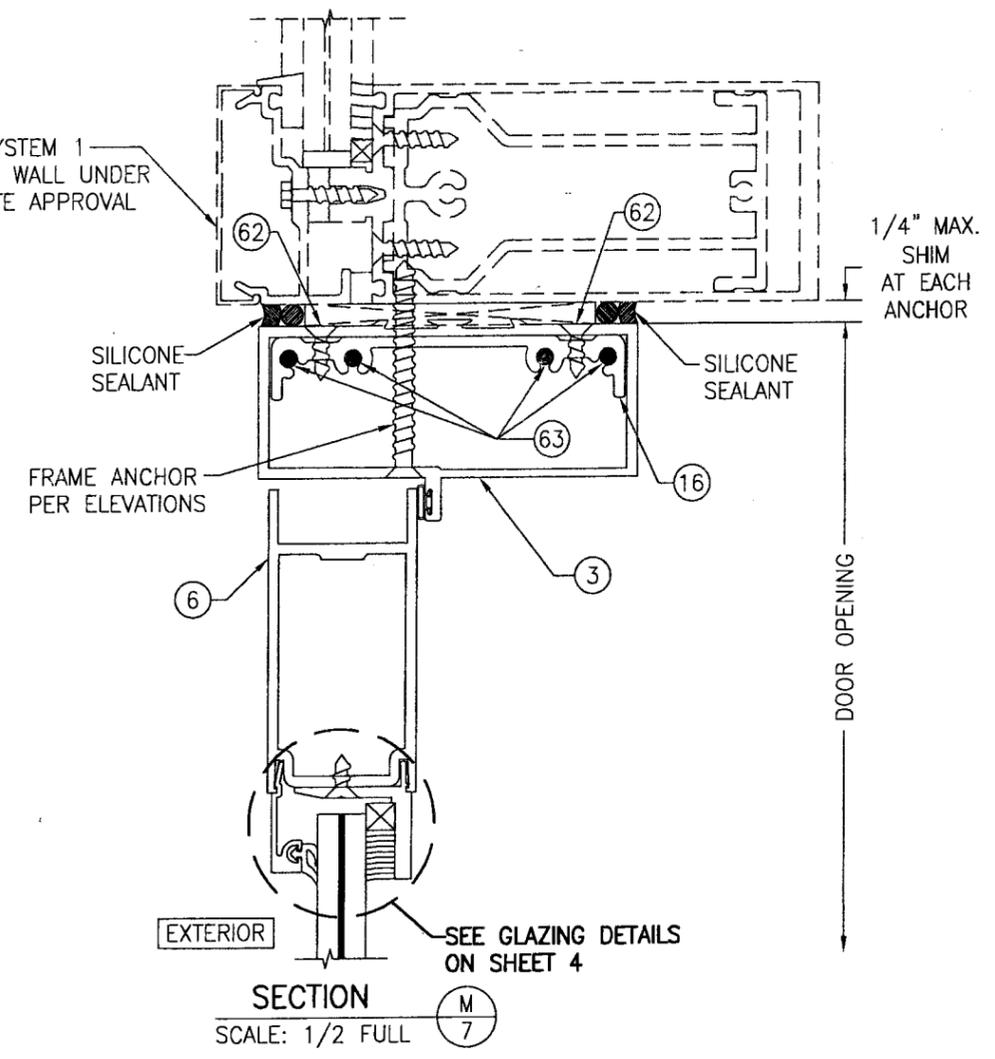
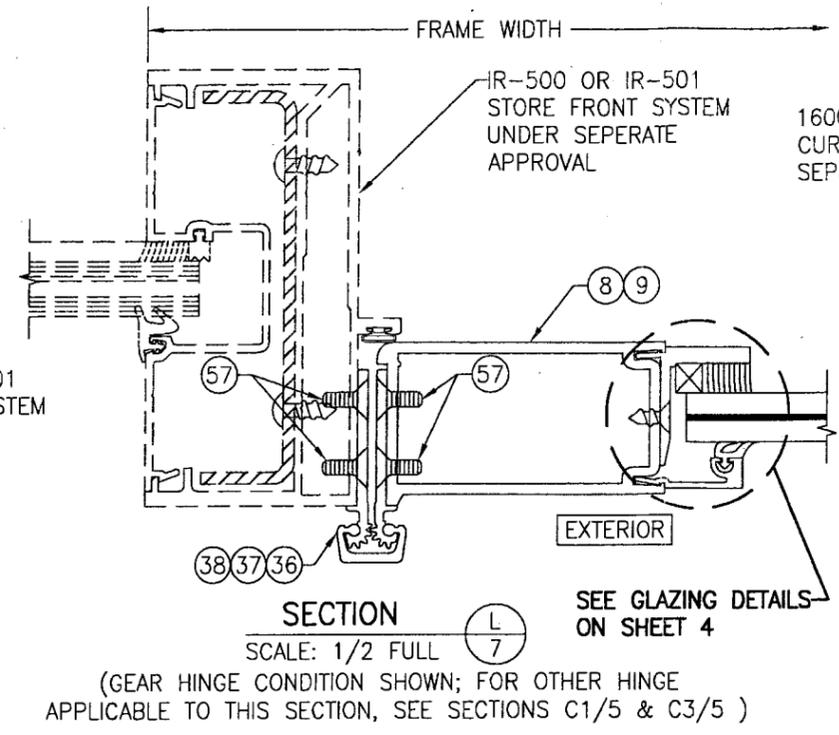
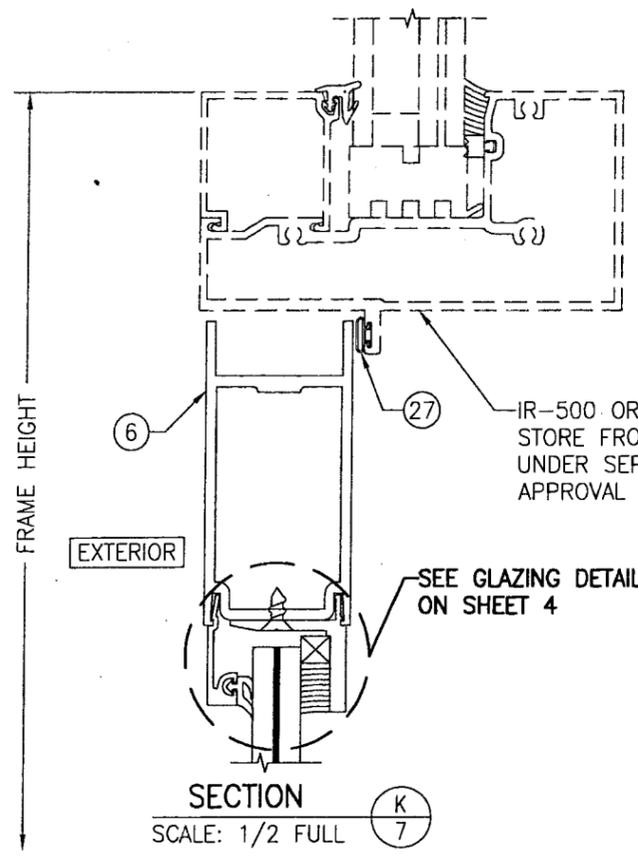


SECTION J  
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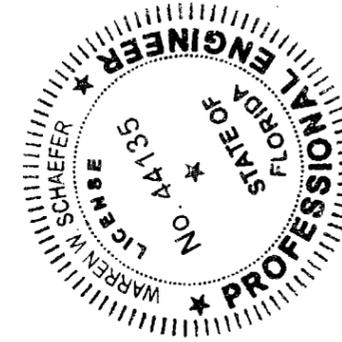
SEE GLAZING DETAILS ON SHEET 4



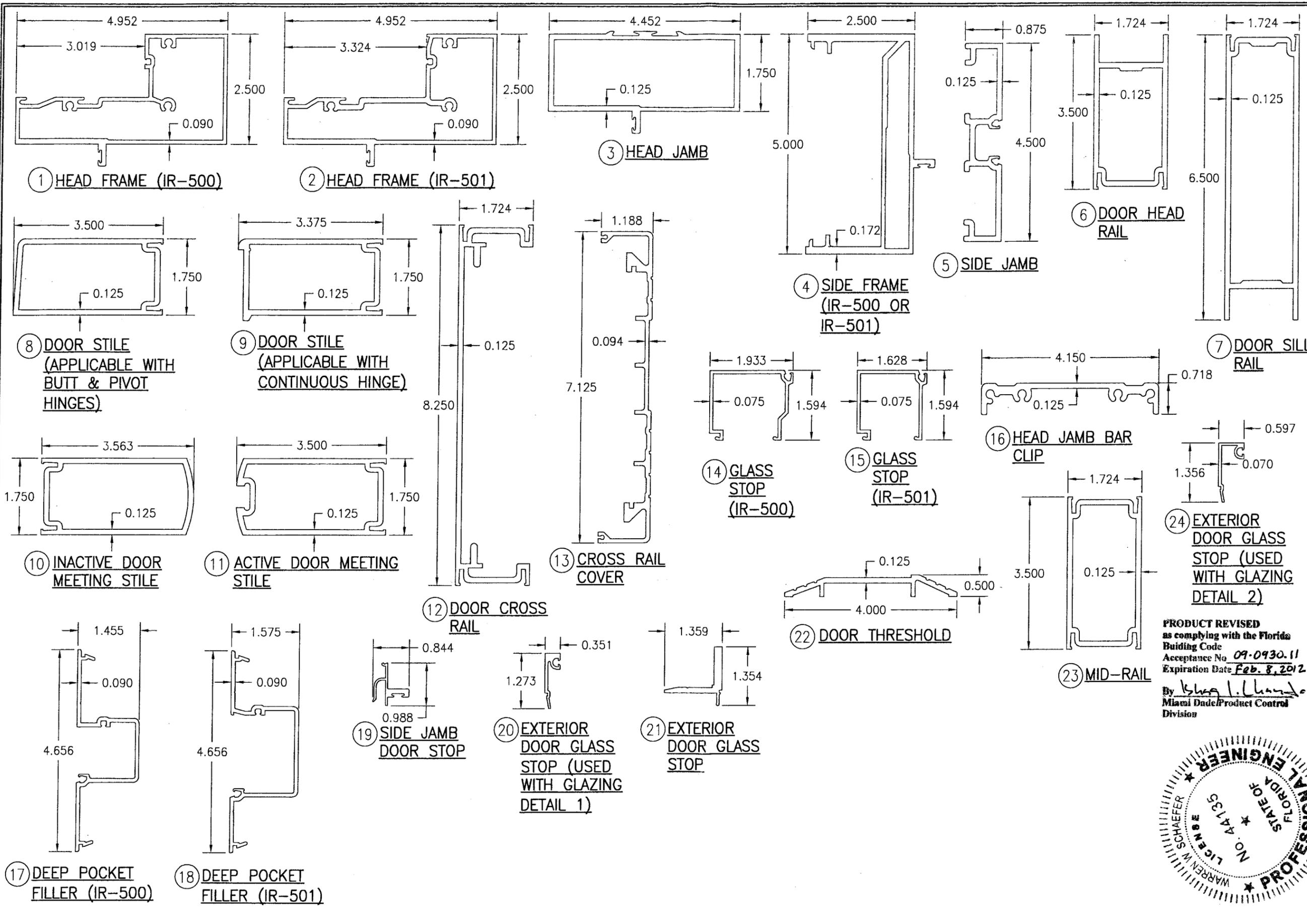
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/10/05
NO.	REVISION DESCRIPTION
DATE	BY
350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	JAN 14 2010
DRAWING NO.	REV.
1460	C
SHEET NO.	6 OF 9



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 09-0930.11  
Expiration Date Feb. 8, 2012  
By *Ishag I. Chugh*  
Miami Dade Product Control  
Division



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/10/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED			
MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: WARREN W. SCHAEFER, P.E., LICENSE NO. 44135, STATE OF FLORIDA, JAN 14 2010			
DRAWING NO. 1460		REV. C	
SHEET NO. 7		OF 9	



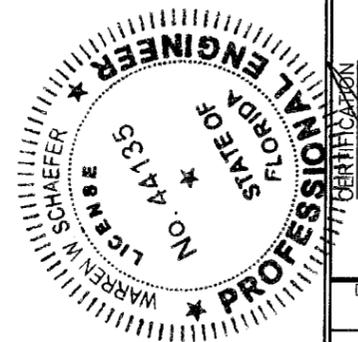
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/10/05
REVISION NO.	DATE
DESCRIPTION	BY

DRAWING TITLE  
**350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET GLAZED**

CONSULTANTS  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
8885 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER  
**KAWNEER COMPANY, INC.**  
555 GUTHRIE COURT  
NORCROSS, GA 30092  
770-449-5555

**PRODUCT REVISED**  
as complying with the Florida  
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Acceptance No **09-0930.11**  
Expiration Date **Feb. 8, 2012**  
By *[Signature]*  
Miami Dade Product Control  
Division

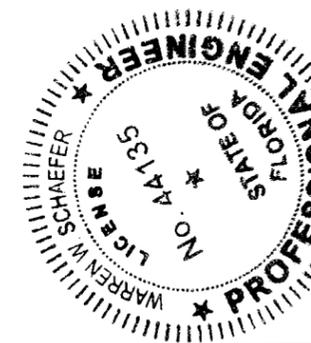


DRAWING NO. <b>1460</b>	REV. <b>C</b>
SHEET NO. <b>8</b>	OF <b>9</b>

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	575-022	HEAD FRAME (IR-500)	6063-T6 ALUMINUM
2	575-122	HEAD FRAME (IR-501)	6063-T6 ALUMINUM
3	450-502	HEAD JAMB	6063-T6 ALUMINUM
4	575-051	SIDE FRAME (IR 500-OR IR-501)	6063-T6 ALUMINUM
5	163-036	SIDE FRAME (1600 DR JB ADAPTOR)	6063-T6 ALUMINUM
6	200-023	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
10	200-007	INACTIVE DOOR MEETING STILE	6063-T6 ALUMINUM
11	200-006	ACTIVE DOOR MEETING STILE	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
16	450-103	HEAD JAMB BAR CLIP	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
19	450-520	SIDE JAMB DOOR STOP	6063-T6 ALUMINUM
20	575-043	EXTERIOR DOOR GLASS STOP (USED WITH GLAZING DETAIL 1)	6063-T6 ALUMINUM
21	575-045	INTERIOR DOOR GLASS STOP	6063-T6 ALUMINUM
22	069-139	DOOR THRESHOLD	6063-T6 ALUMINUM
23	200-058	MID-RAIL	6063-T6 ALUMINUM
24	575-041	EXTERIOR DOOR GLASS STOP (USED WITH GLAZING DETAIL 2)	6063-T6 ALUMINUM
SEALS AND SEALANTS			
27	027-078	DOOR BULB WEATHERING	ALCRYN
28	027-563	FIXED DOOR GASKET	EPDM
29	127-041	GLAZING TAPE / SILICONE SPACER	SEMI-RIGID POLYURETHANE FOAM
30	027-342	DOOR SETTING BLOCK	NEOPRENE
31	200-795	DOOR BOTTOM RAIL WEATHER SWEEP	VARIED
32	200-497	ADJUSTABLE ASTRAGAL WEATHERING	VARIED
33	-	COMPRESSION TAPE	3M
HARDWARE			
36	050-821	CONTINUOUS GEAR HINGE	HAGER/ROTON
37	037-232	BUTT HINGE (4 PER PANEL)	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, THUMBTURN & PUSH PACKAGE
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	

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
HARDWARE CONTINUED			
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
43	50-079	INACTIVE DOOR TOP FLUSH BOLT	BY ADAMS-RITE
44	50-075	INACTIVE DOOR BOTTOM FLUSH BOLT	BY ADAMS-RITE
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 9947
51	-	CONCEALED ROD EXIT/PANIC DEVICE	CALIBRE 9100
52	-	CONCEALED ROD EXIT/PANIC DEVICE	ADAMS RITE G86
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
64	-	NO. 10 X 1/2" S.S. SCREW	3" FROM ENDS & MAX. 7 1/2" O.C. AT TOP & BOTTOM RAILS - 3" FROM ENDS & MAX. 11 1/8" O.C. AT STILES
65	-	NO. 6 X 3/4" S.S. SCREW	1/4" FROM ENDS & MAX. 9 17/32" O.C.

**PRODUCT REVISED**  
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By Isheq J. Chaudhry  
Miami Dade Product Control  
Division



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/10/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI WET 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.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. <b>1460</b> REV. <b>C</b>	
SHEET NO. <b>9</b> OF <b>9</b>	