



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

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 8 of 8, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/04/07 and last revised on Jan 13, 2009, 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 anchor option limitations, sheet 1 and design pressure limitations on sheet 2 of 8.
2. The Jackson 2086 Panic Device (item #42) is qualified to $D_p = +/- 90$ psf all other panic devices listed in material list in sheet 8 are limited to design pressure (D_p) = +/- 65 psf.

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 # 07-0416.02 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No 09-0129.01
Expiration Date: February 08, 2012
Approval Date: March 25, 2009
Page 1

3/3/09

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (transferred from file # **07-0416.02**)
2. Drawing No. **1460**, titled "350IR" Outswing Aluminum Storefront Door", sheets 1 thru 8 of 8, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/04/07 and last revised on Jan 13, 2009, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS (transferred from file # **07-0416.02**)

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) 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 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.

(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-2004, dated April 04, 2007, prepared, signed and sealed by Warren W. Schaefer, P.E. (transferred from file # **07-0416.02**)
2. Statement letter dated 04/15/2008 of verification to product compliance to FBC 2007, prepared, signed and sealed by Warren W. Schaefer, P.E.,
3. Glazing complies with ASTM E-1300-02 and ASTM E-1300-04

D. QUALITY ASSURANCE BY:

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

E. MATERIAL CERTIFICATIONS

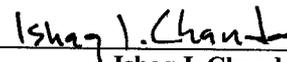
1. Notice of Acceptance No. **08-0520.08** issued to Solutia, for "Vanceva™", expiring on 12/11/2013.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours, for "DuPont Butacite ® PVB", expiring on 12/11/2010
3. Notice of Acceptance No. **06-0216.06** issued to Solutia, for "Saflex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

F. STATEMENTS

1. Statement letter of compliance w/ FBC-2007, dated 04-15-2008, prepared, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letters of conformance and "No financial interest", both dated April 04, 2007, signed and sealed by Warren W. Schaefer, P.E.
3. Statement of compliance, issued as part of the above referenced test report issued by Hurricane Testing Laboratory.

G. OTHER

1. This NOA revises NOA # **07-0416.02**, expiring on February 08, 2012.
2. Test proposal # **05-0149** approved by BCCO dated 06/20/05.



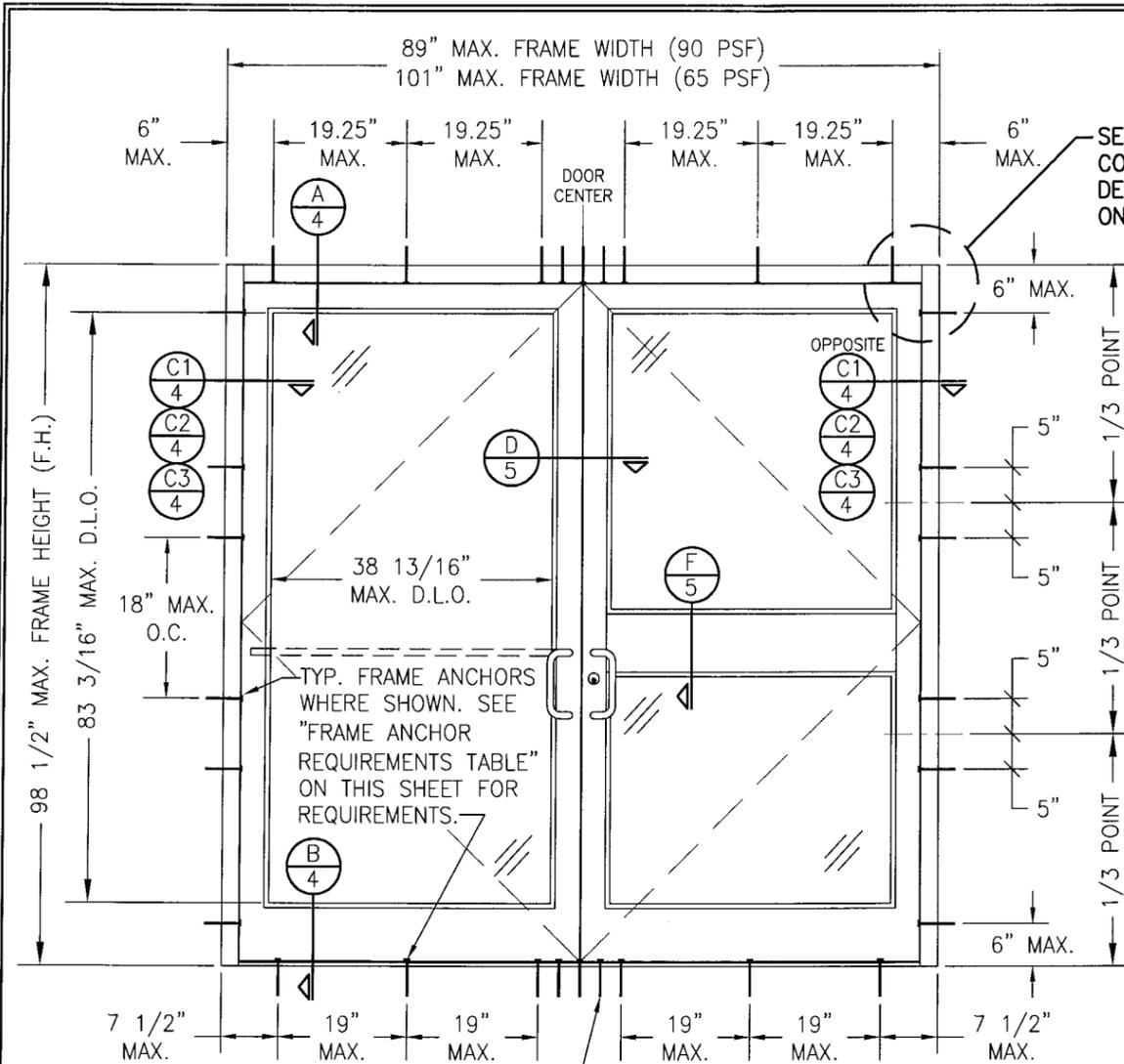
Ishaq I. Chanda, P.E.

Product Control Examiner

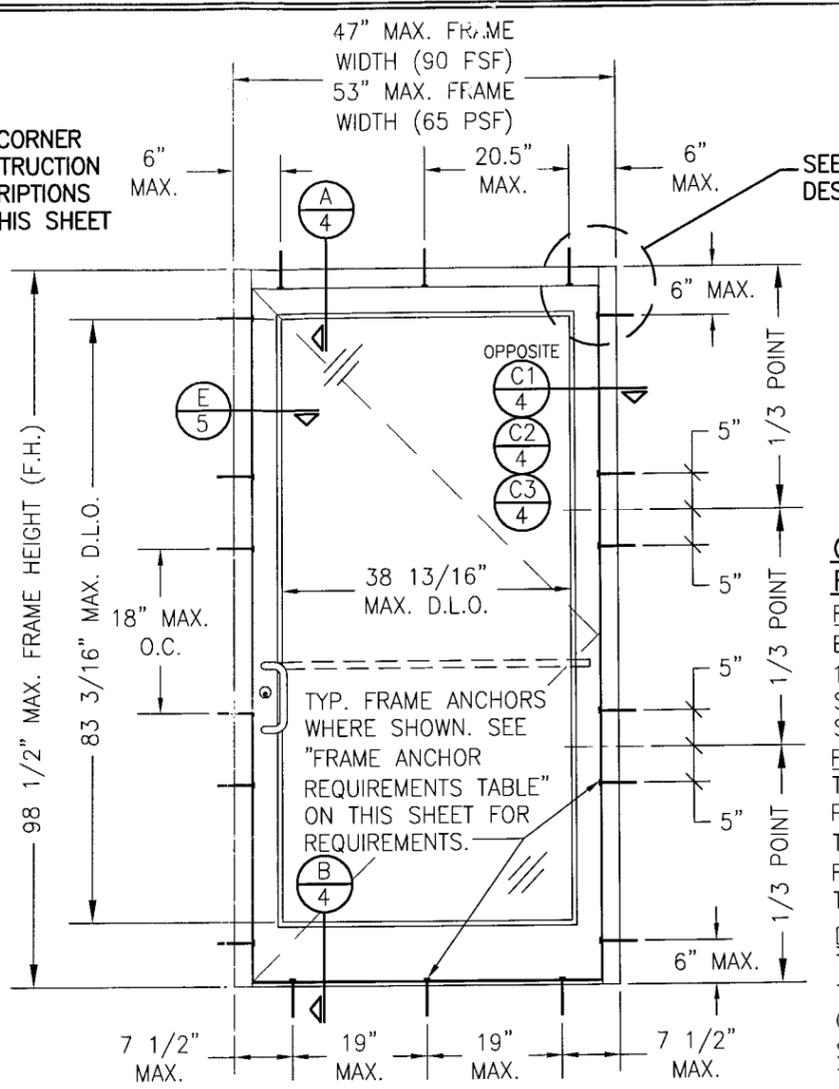
NOA No 09-0129.01

Expiration Date: February 08, 2012

Approval Date: March 25, 2009



**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 2

(*) 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 SUCH THAT THE ANGLE BETWEEN THE EDGE OF THE CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES.

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

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. 12 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 1/4"	2 1/2"
E	MIN. C90 BLOCK	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
F	CURTAIN WALL	(2) 1/4-20 SELF DRILL/TAPPING SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

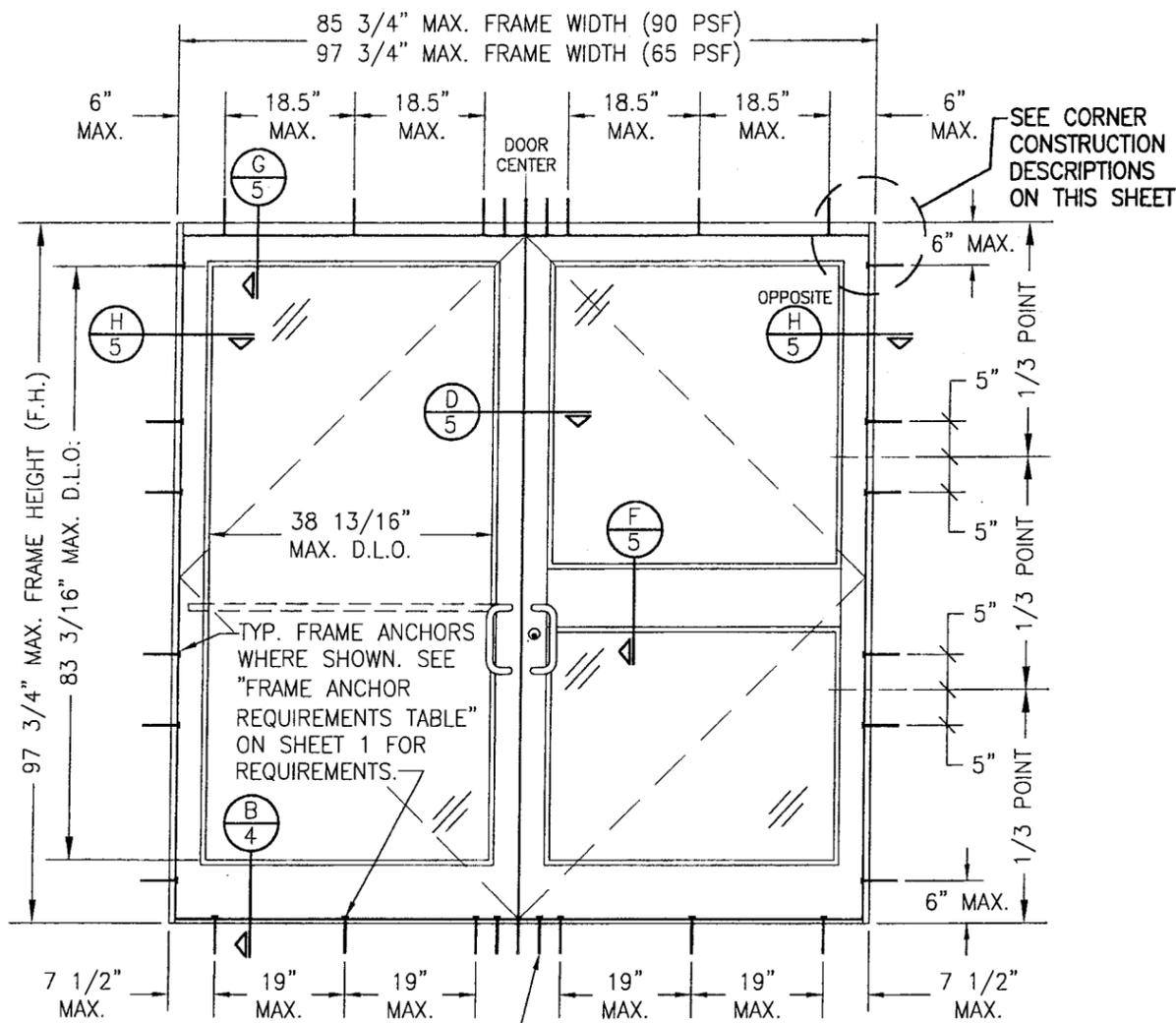
(2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORRIOSION RESISTANT STEEL

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 WATER, 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 Kd = 0.85 MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 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.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0129.01
Expiration Date Feb 08, 2012
By Ishag L. Chande
Miami Dade Product Control Division

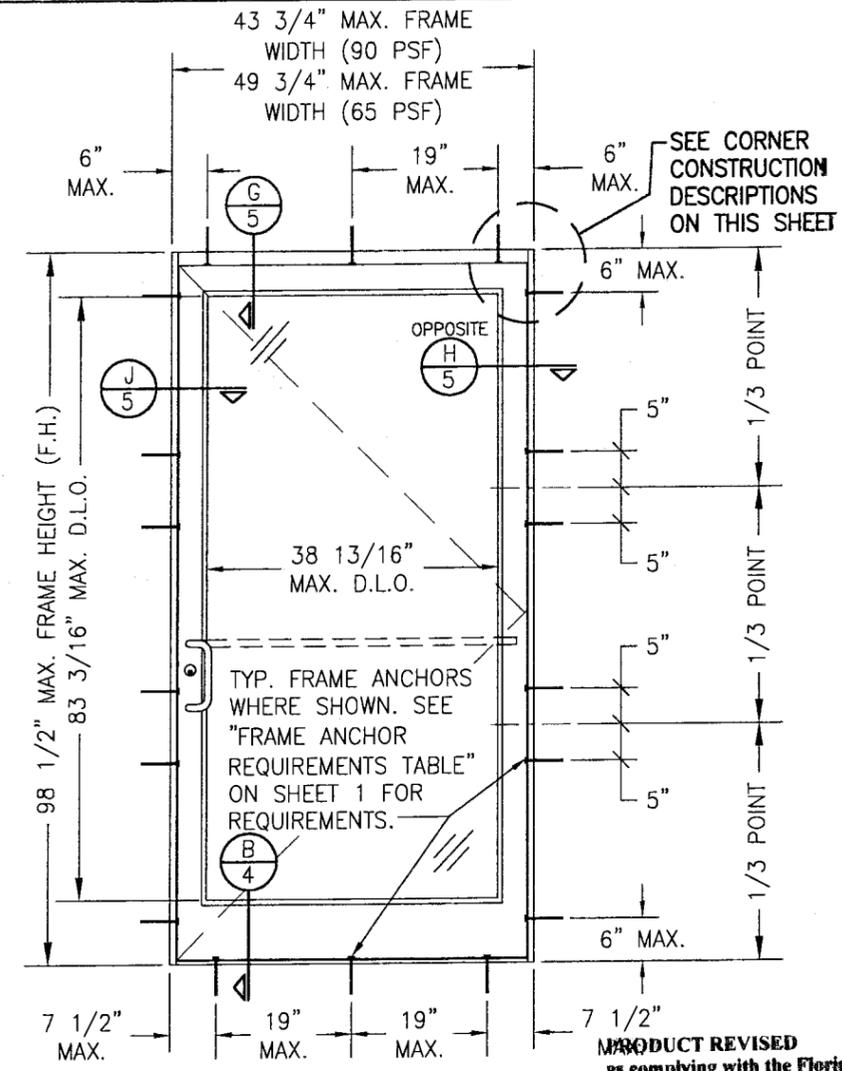
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PLOT: 1=24	DATE: 11/10/05
DATE 04/04/07	DATE 01/13/06
BY WWS	BY WRM
REVISION DESCRIPTION ADDED SMALLER DOOR TO HIGHER PRESSURE CONDITION	NO. A1
ADDED WOOD SUBSTRATE TO 90 PSF	NO. B1
DRAWING TITLE 350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI	
MANUFACTURER 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	
CERTIFICATION JAN 13 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1460	REV. B
SHEET NO. 1 OF 8	



**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).



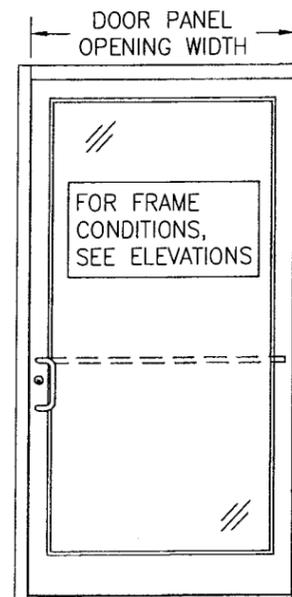
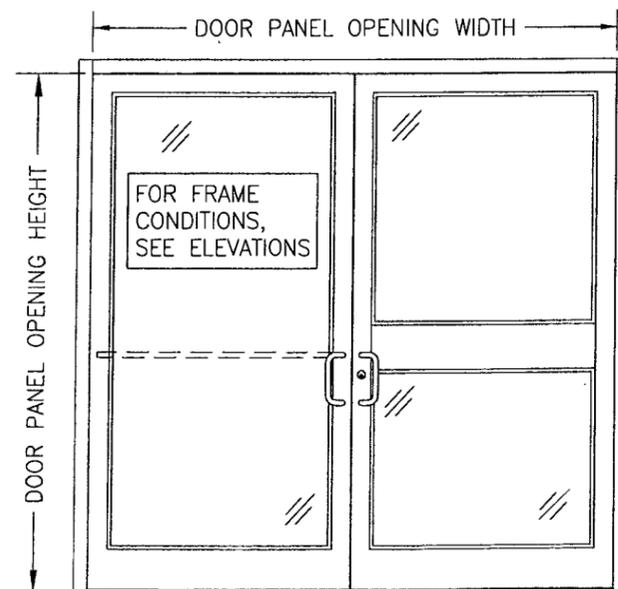
**EXTERIOR ELEVATION
SINGLE DOOR ASSEMBLY WITH
STANDARD FRAMING**

SCALE: 1/2"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0129-01
Expiration Date FEB 08, 2012
By Ishtaq I. Chugh
Miami Dade Product Control
Division

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.



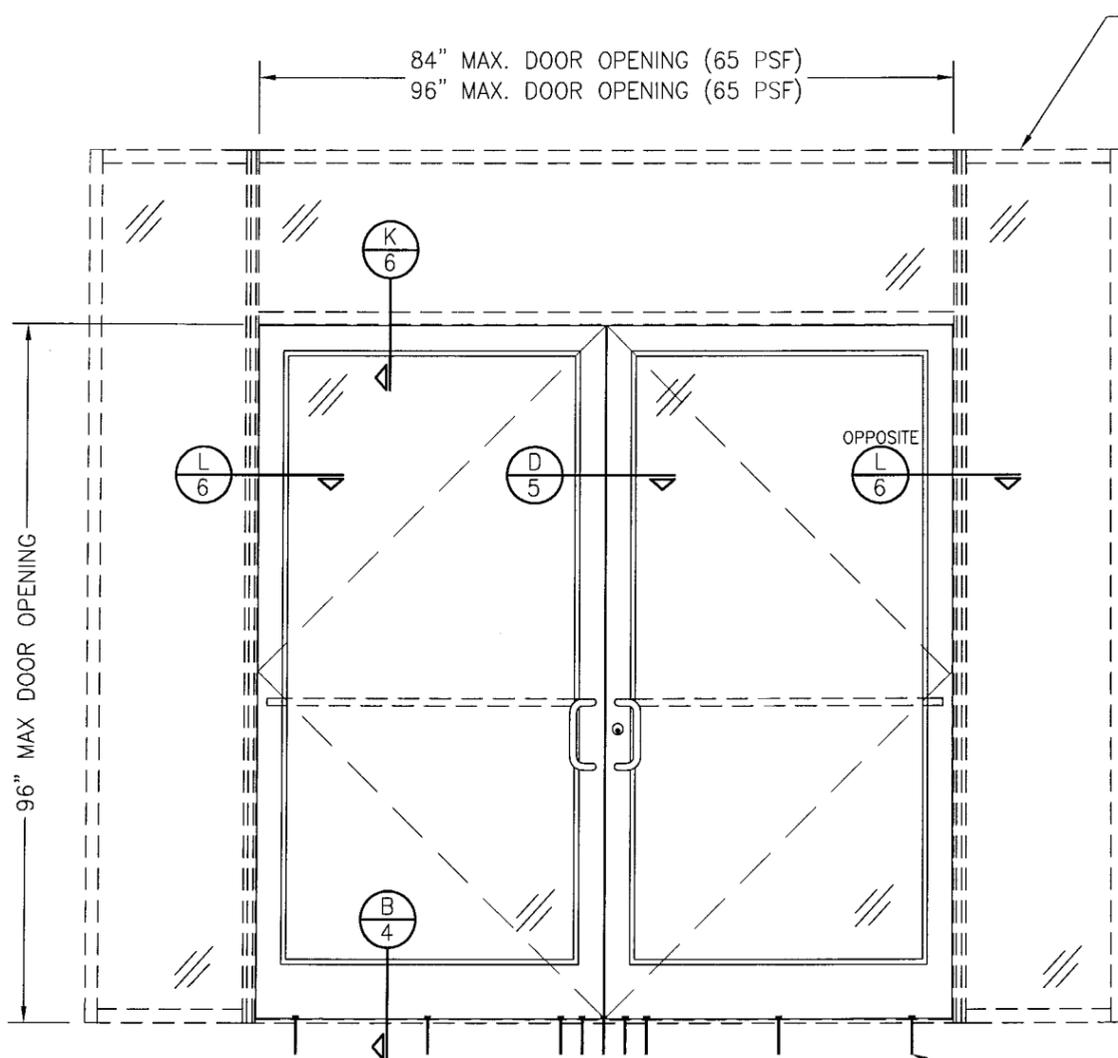
**ALLOWABLE DESIGN PRESSURE
(ALL DOOR FRAME/OPENING CONDITIONS)**

MAXIMUM DOOR PANEL OPENING HEIGHT	MAXIMUM DOOR PANEL OPENING WIDTH		APPLICABLE GLASS OPTIONS	ALLOWABLE PRESSURE
	DOUBLE DOOR	SINGLE DOOR		
96"	96"	48"	1 & 2	+/-65 PSF
96"	84"	42"	3 & 4	+/-90 PSF

NOTES:
1. SEE ELEVATIONS NEXT TO THIS TABLE FOR VIEW OF DOOR PANEL OPENING HEIGHT & WIDTH.
2. GLASS OPTIONS 3 & 4 DO NOT APPLY TO INDIVIDUAL DOOR PANEL WIDTHS OVER 42".
3. ALLOWABLE PRESSURE MAY NOT EXCEED +/-65 PSF WITH GLASS OPTIONS 1 & 2 REGARDLESS OF DOOR SIZE.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 11/10/05
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE 350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI	
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 13 2009	
DRAWING NO. 1460	REV. B
SHEET NO. 2 OF 8	

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

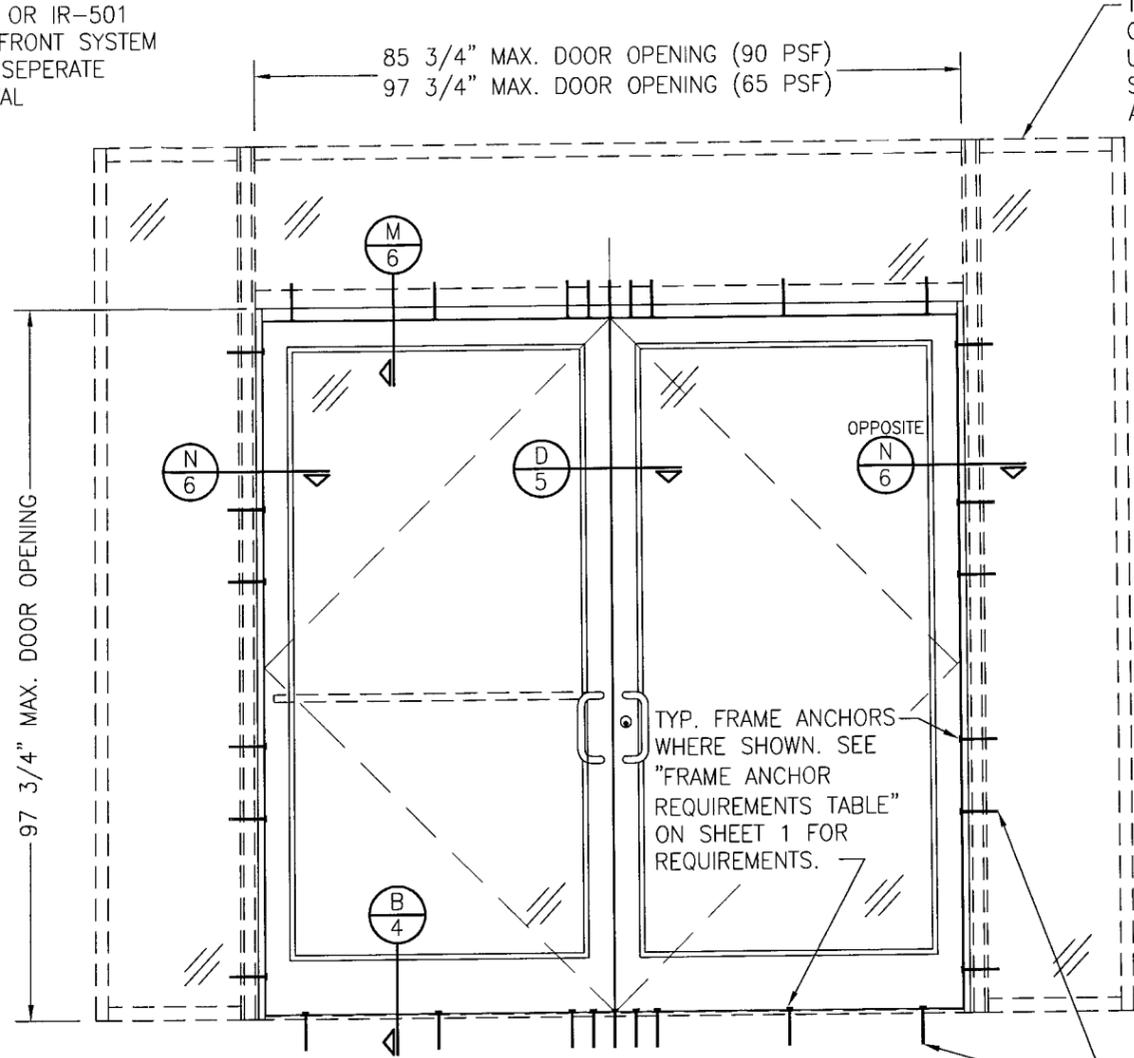


EXTERIOR ELEVATION
DOORS INSIDE IR-500 OR IR-501 STORE FRONT SYSTEM
SCALE: 1/2"=1'-0"

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.

SEE ELEVATION SHEET 1 FOR SILL ANCHOR REQUIREMENTS & ANCHOR LOCATIONS



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.

SEE ELEVATION SHEET 2 FOR ANCHOR REQUIREMENTS & ANCHOR LOCATIONS

ALLOWABLE DESIGN PRESSURE
SEE SHEET 2

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 08-0129.01
Expiration Date FEB 02, 2012
By Isling J. Chaudhry
Miami Dade Product Control Division

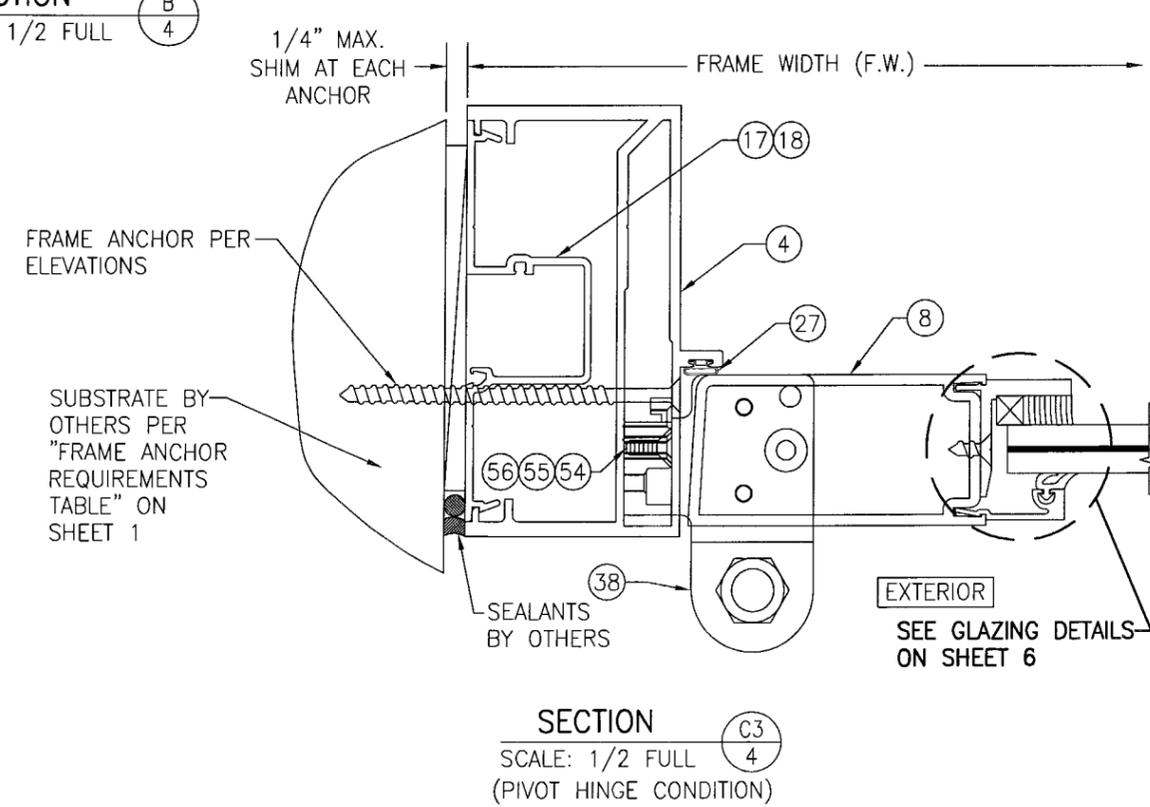
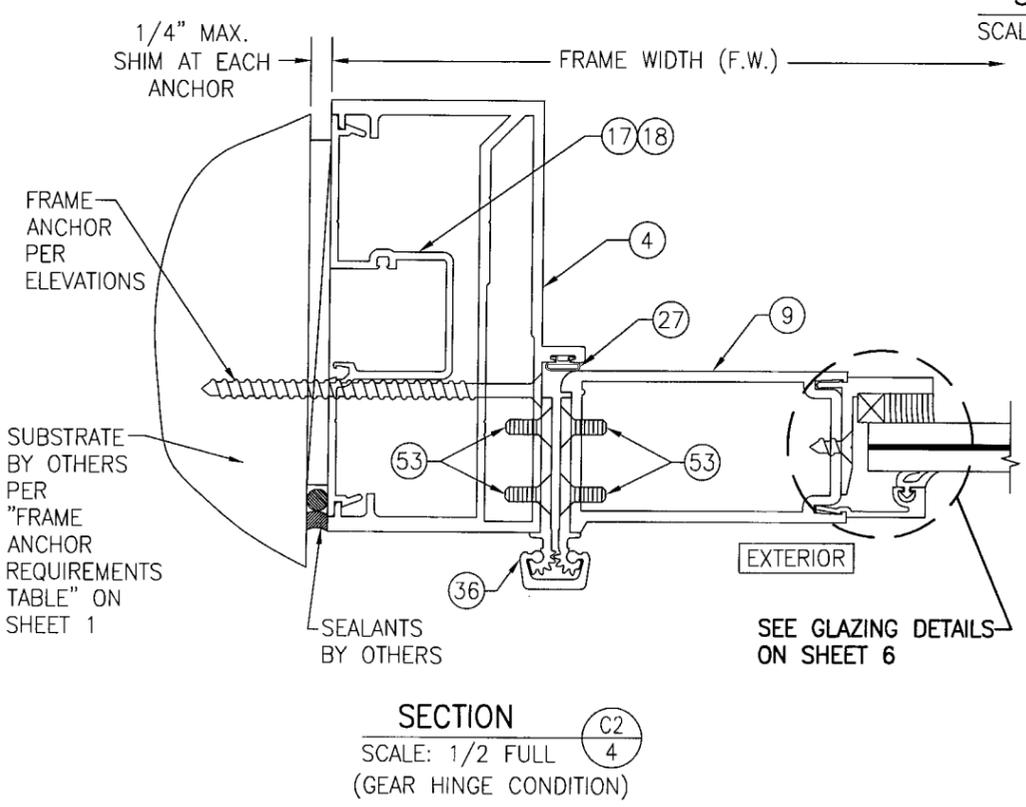
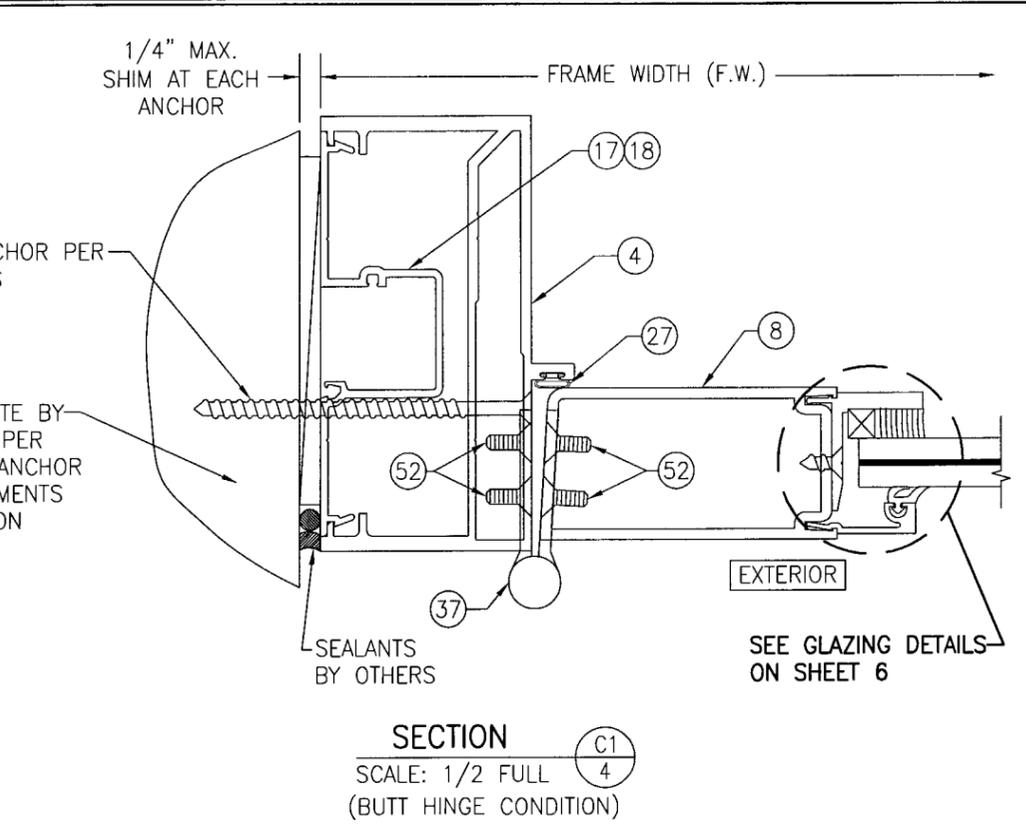
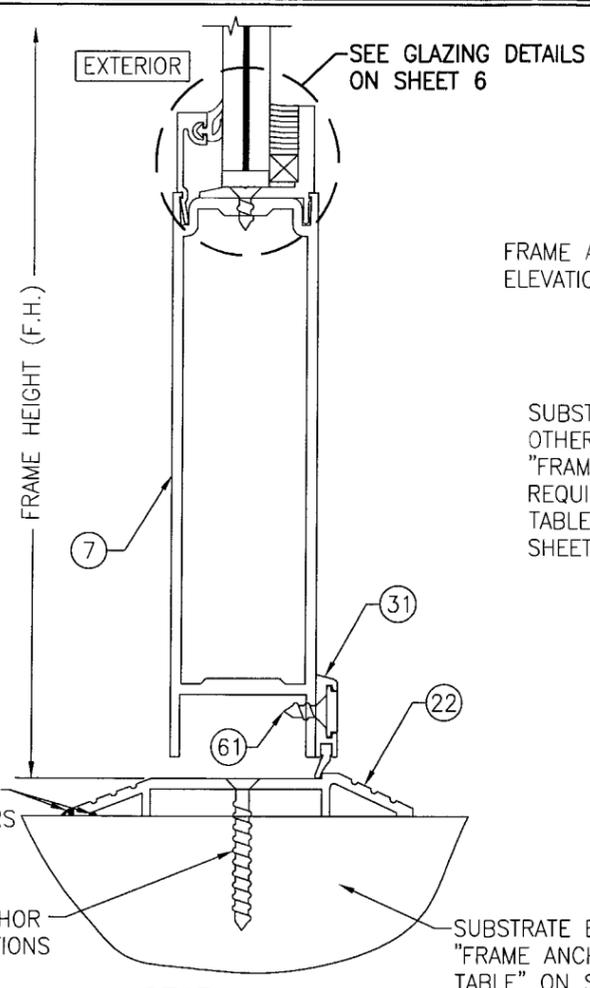
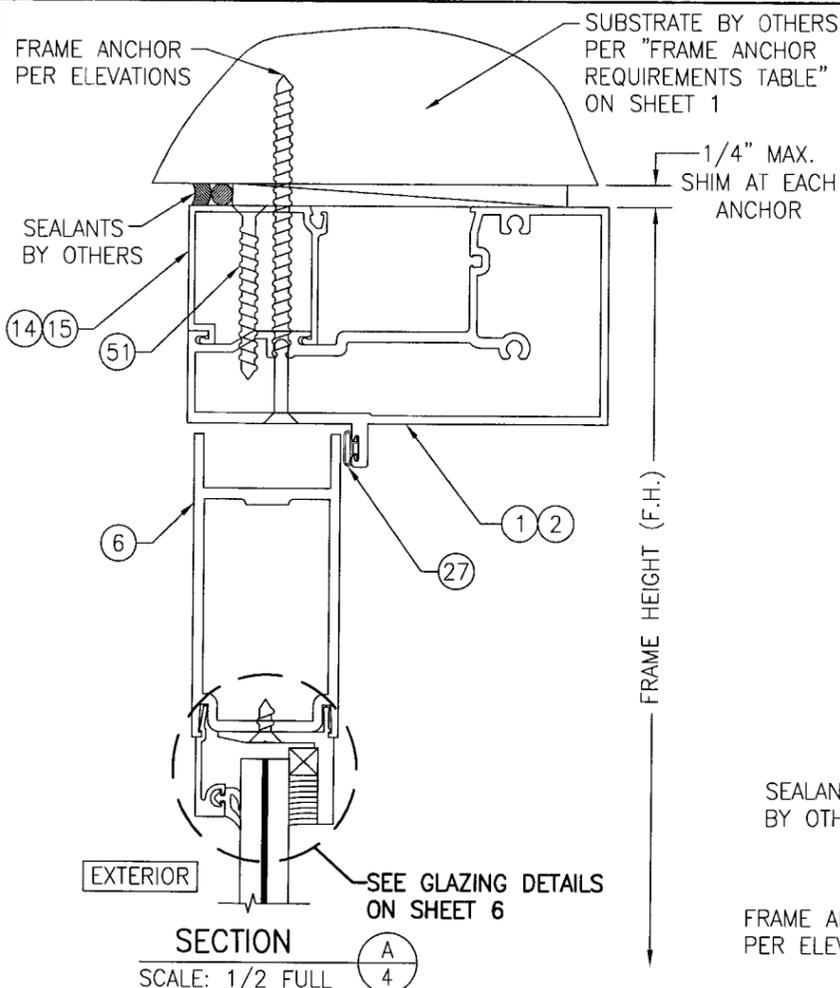
DRAWING TITLE
350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI

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

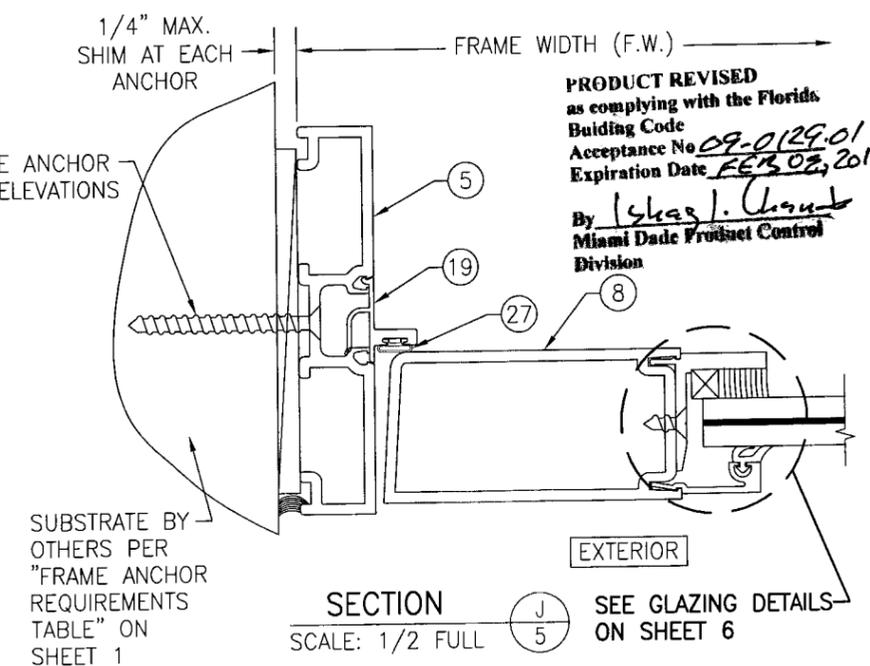
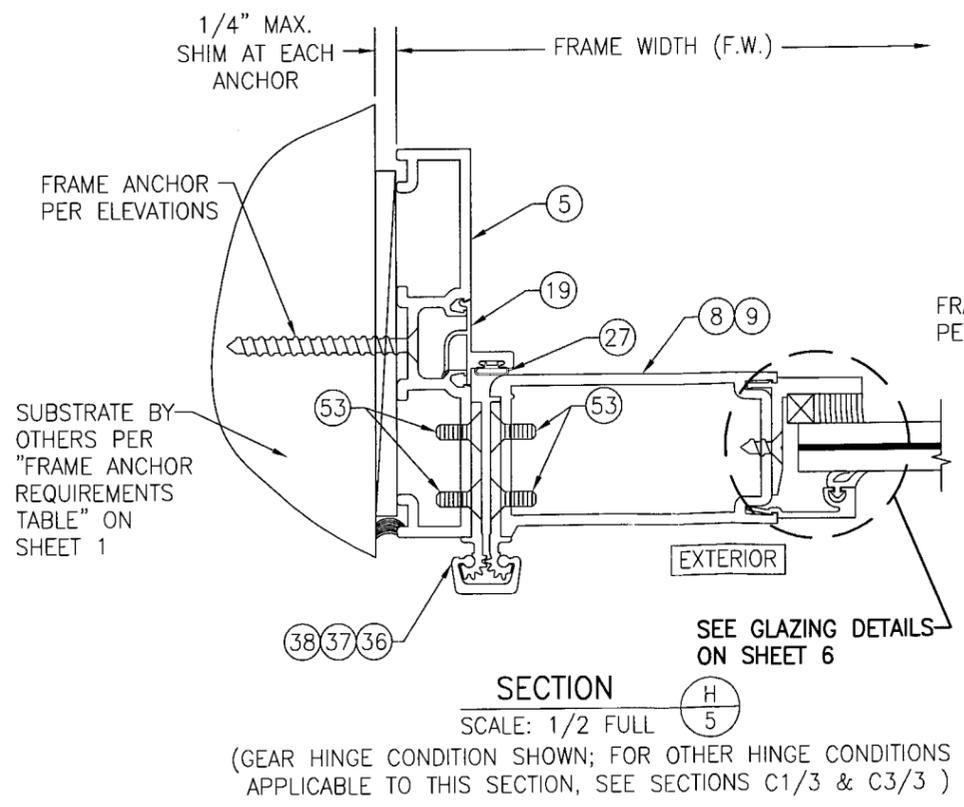
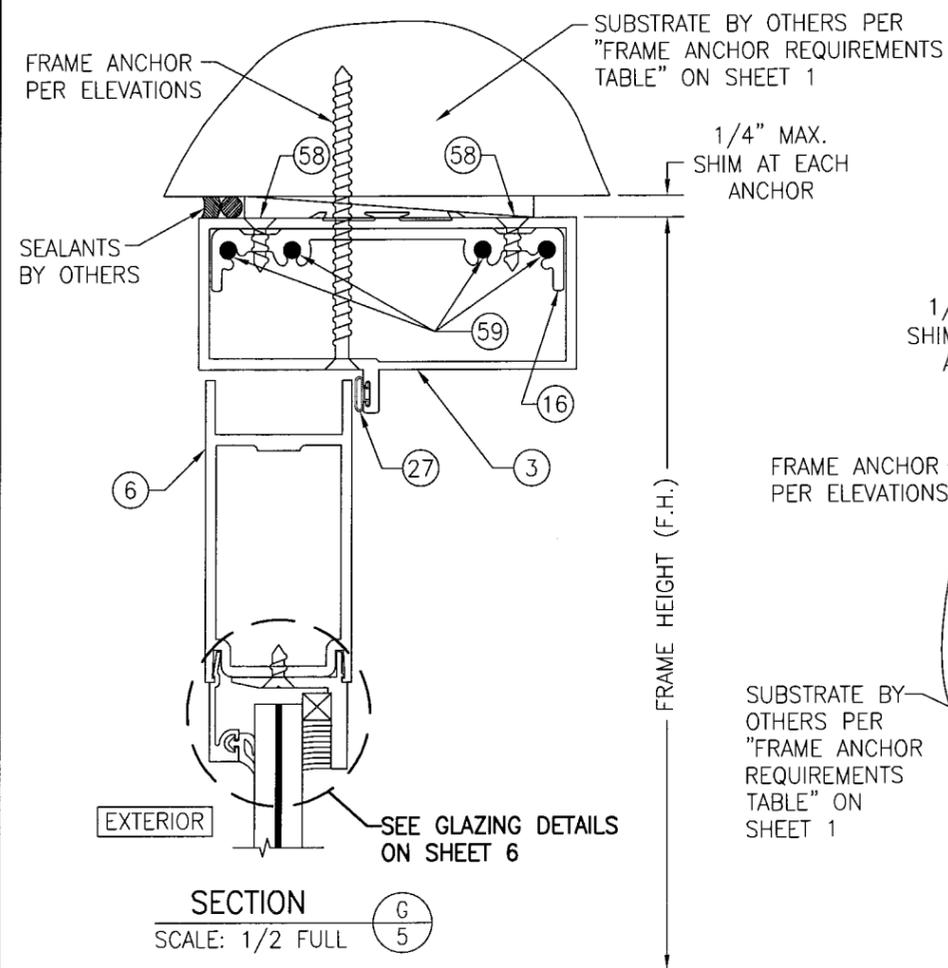
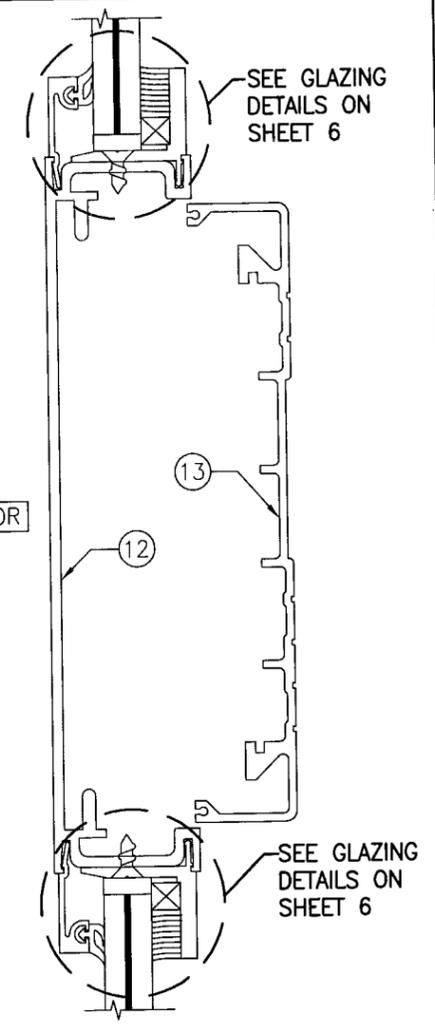
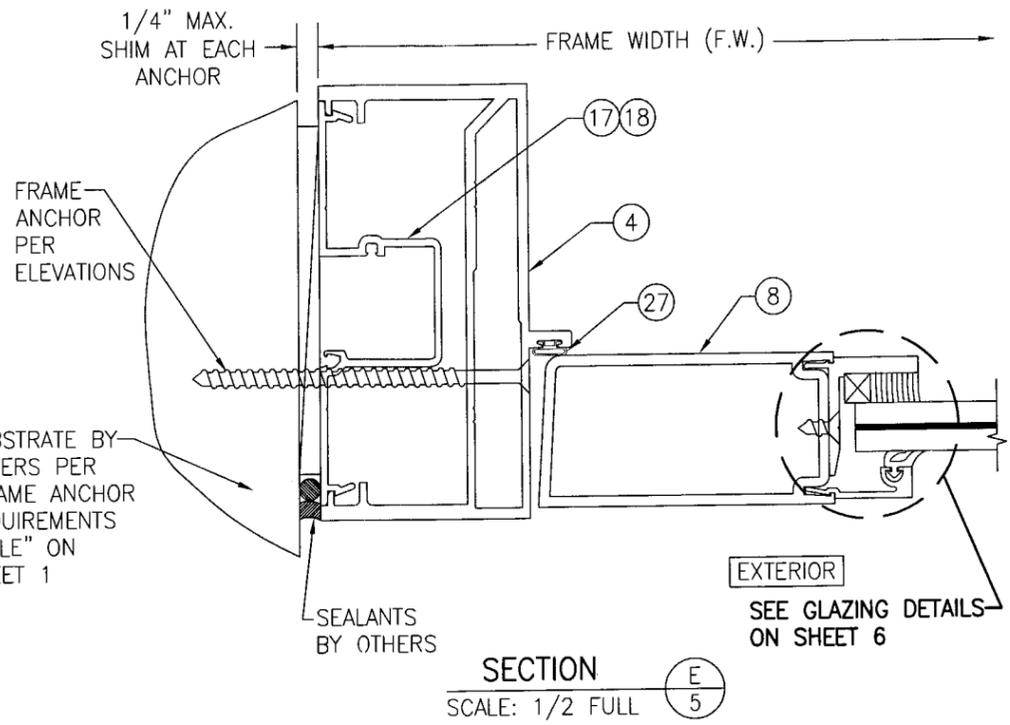
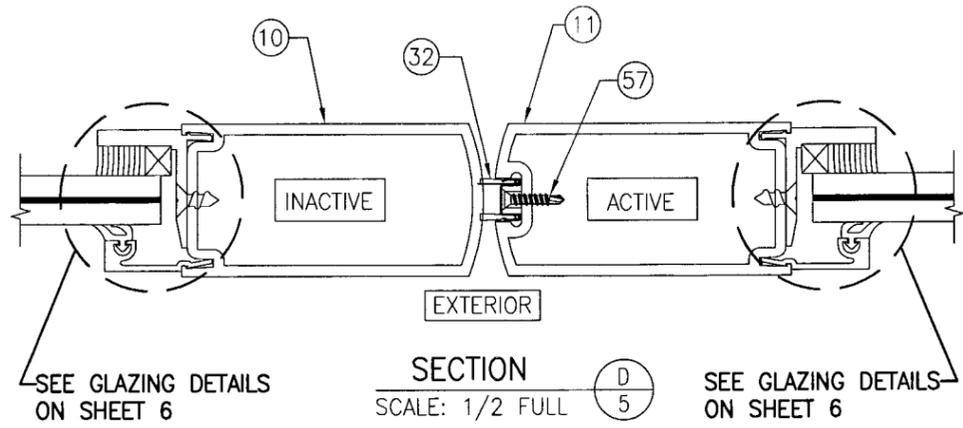
CERTIFICATION
JAN 13 2009
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1460	B
SHEET NO.	OF
3	8



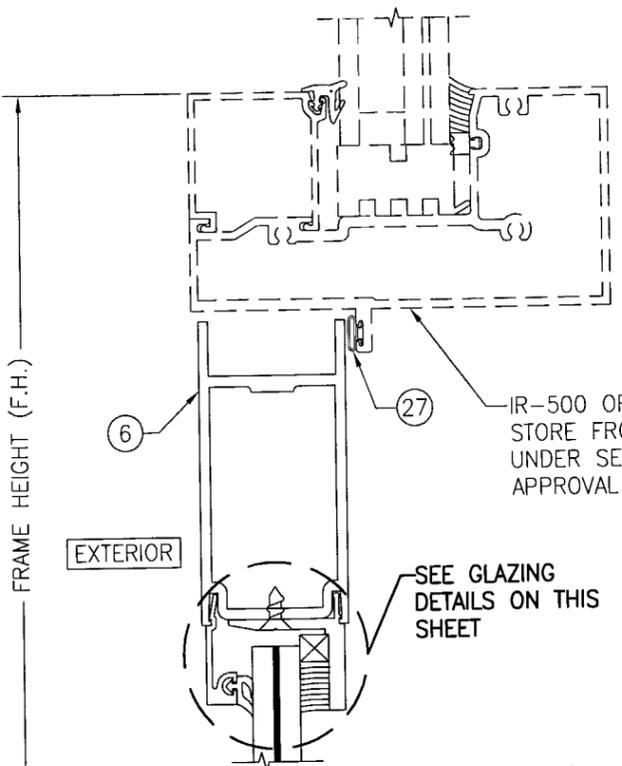
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 09-0129.01
 Expiration Date FEB 08, 2012
 By Ishag I. Uquda
 Miami Dade Product Control
 Division

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			
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: 561-775-4902 FAX: 561-775-4903		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: <u>JAN 13 2009</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1460		REV. B	
SHEET NO. 4 OF 8			

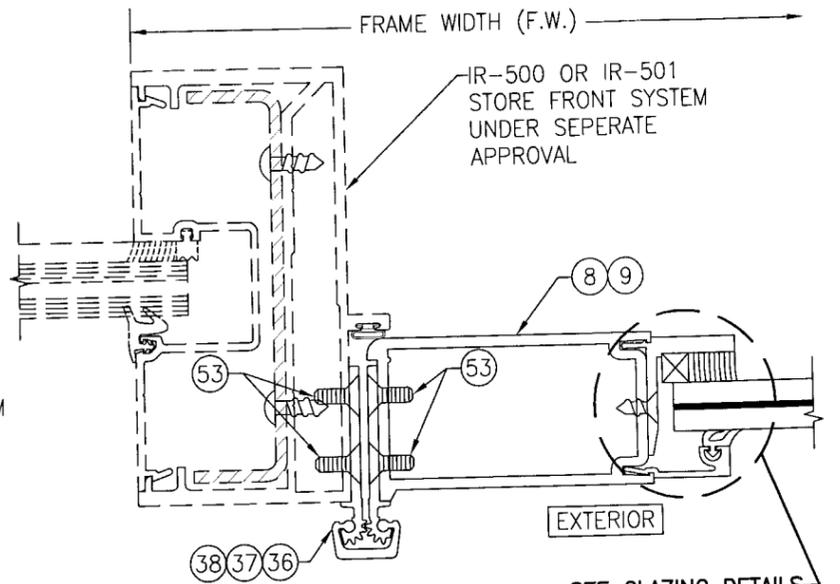


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0129-01
Expiration Date FEB 02, 2012
By Isaac J. Uquib
Miami Dade Product Control
Division

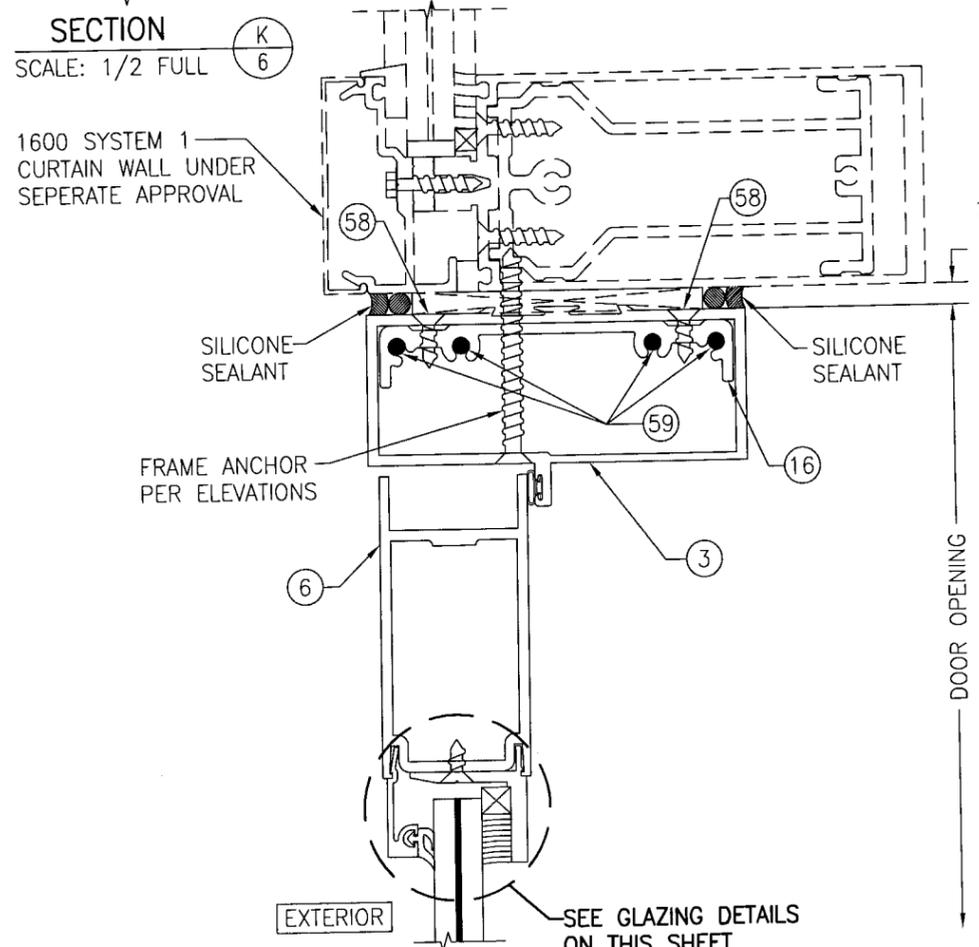
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/10/05	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 350IR OUTSWING ALUMINUM STOREFRONT DOORS - LMI			
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION JAN 13 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1460		REV. B	
SHEET NO. 5		OF 8	



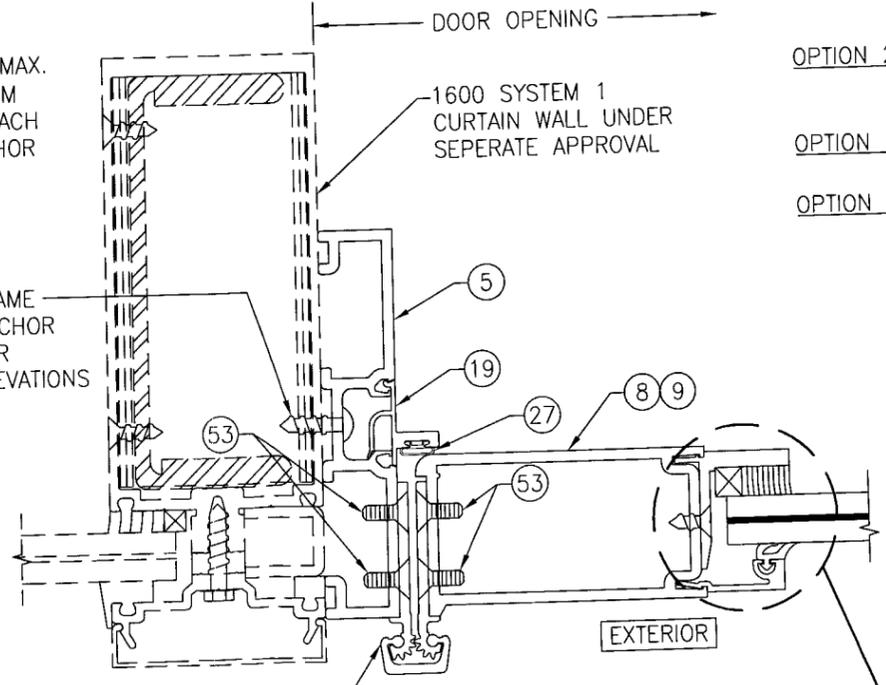
SECTION K
SCALE: 1/2 FULL



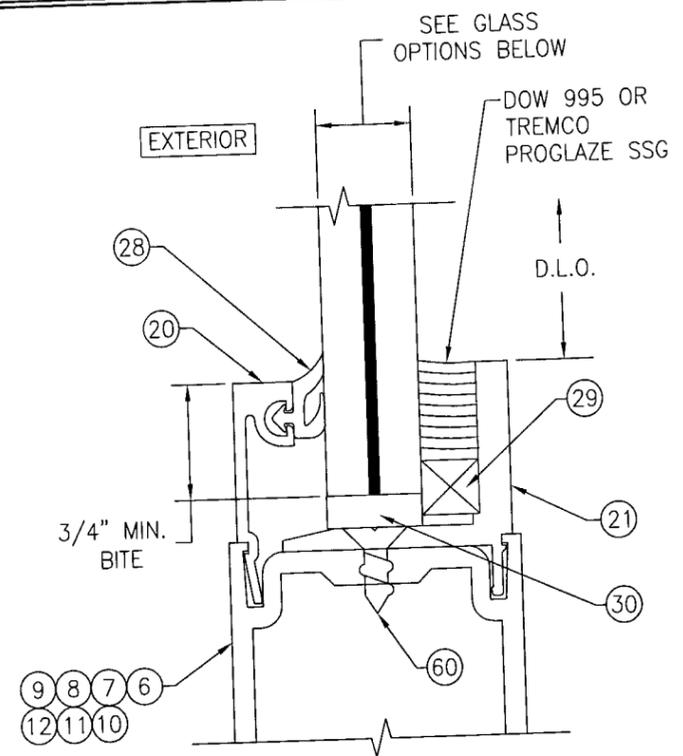
SECTION L
SCALE: 1/2 FULL
(GEAR HINGE CONDITION SHOWN; FOR OTHER HINGE APPLICABLE TO THIS SECTION, SEE SECTIONS C1/3 & C3/3)



SECTION M
SCALE: 1/2 FULL



SECTION N
SCALE: 1/2 FULL
(GEAR HINGE CONDITION SHOWN; FOR OTHER HINGE CONDITIONS APPLICABLE TO THIS SECTION, SEE SECTIONS C1/3 & C3/3)



TYP. GLAZING DETAIL
SCALE: 1/1 FULL

- GLASS OPTIONS:**
- OPTION 1: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.09 SOLUTIA SAFLEX III G 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./0.10 DUPONT SGP/1/4" HT. ST.)
 - OPTION 4: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.075" SOLUTIA VANCEVA/1/4" HT. ST.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0129.01
Expiration Date FEB 03, 2012
By Charles I. Chant
Miami Dade Product Control
Division

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

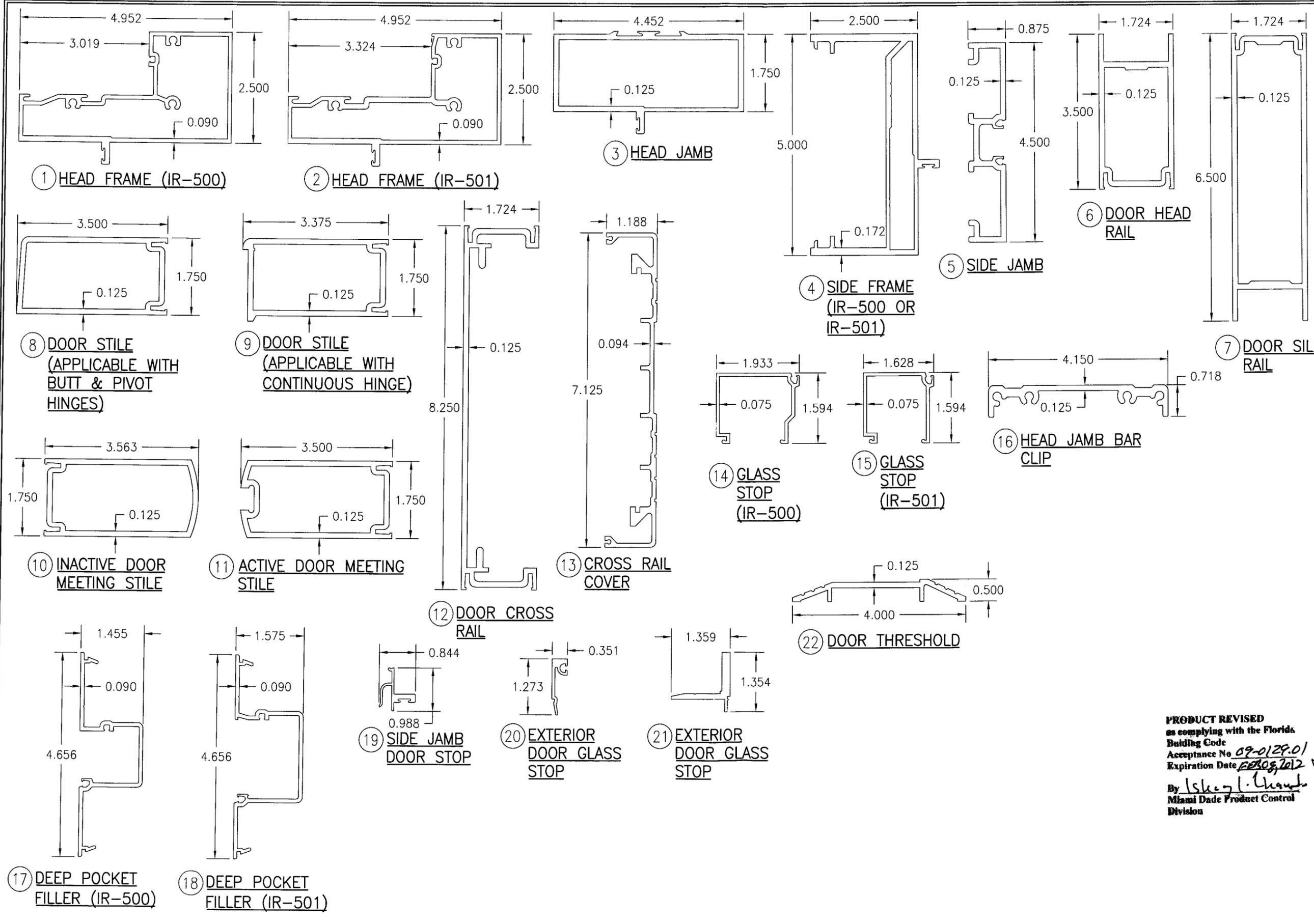
DRAWING TITLE
3501R OUTSWING ALUMINUM STOREFRONT DOORS - LMI

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 13 2009
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1460	REV. B
SHEET NO. 6 OF 8	



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

DRAWING TITLE
350 IR LARGE MISSILE IMPACT OUT-SWING DOORS

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

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PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. *09-0129-01*
 Expiration Date *02/05/2012*
 By *Iskeel J. Chaudhry*
 Miami Dade Product Control Division

CERTIFICATION

JAN 13 2009

WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.	REV.
1460	B
SHEET NO.	OF
7	8

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	6063-T6 ALUMINUM
21	575-045	INTERIOR DOOR GLASS STOP	6063-T6 ALUMINUM
22	069-139	DOOR THRESHOLD	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
HARDWARE			
36	050-821	CONTINUOUS GEAR HINGE	BY HAGER/ROTON
37	037-232	BUTT HINGE (4 PER PANEL)	BY HAGER
38	050-322	TOP OFFSET PIVOT HINGE	BY KAWNEER
	050-331	INTERMEDIATE OFFSET PIVOT HINGE	
	050-326	RH BOTTOM OFFSET PIVOT HINGE	
	050-327	LH BOTTOM OFFSET PIVOT HINGE	
39		3-POINT LOCK ASSEMBLY FOR ACTIVE DOOR	BY ADAMS-RITE
	50-075	BOLT GUIDE	
	50-078	TOP BOLT	
	50-100	DEADLOCK	
	37-368	BOTTOM BOLT	
	35-001	CYLINDER	BY KAWNEER
	37-176	THUMBTURN	
	137-700	CO-9 PUSH / CP-II PUSH PACKAGE	
40	50-079	INACTIVE DOOR TOP FLUSH BOLT	BY ADAMS-RITE
41	50-075	INACTIVE DOOR BOTTOM FLUSH BOLT	BY ADAMS-RITE

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
HARDWARE CONTINUED			
42	-	CONCEALED ROD EXIT/PANIC DEVICE	JACKSON 2086
43	-	CONCEALED ROD EXIT/PANIC DEVICE	KAWNEER 1686
44	-	CONCEALED ROD EXIT/PANIC DEVICE	SARGENT 8400
45	-	CONCEALED ROD EXIT/PANIC DEVICE	PANELINE CR-90
MISCELLANEOUS FASTENERS			
51	-	NO. 12 X 2" SCREW	3" FROM ENDS & MAX. 11" O.C.
52	-	NO. 12-24 X 9/16" S.S SCREW	8 PER HINGE
53	-	NO. 12-24 X 13/32" SCREW	2 9/16" FROM ENDS & MAX. 5 1/8" O.C. (52 MAX. PER HINGE)
54	-	5/16"-18 X 5/8" SCREW	2 PER TOP PIVOT HINGE
55	-	NO. 12-24 X 9/16" S.S SCREW	2 PER INTERMEDIATE PIVOT HINGE
56	-	1/4-20 X 3/8" SCREW	3 PER BOTTOM PIVOT HINGE
57	-	NO. 6 X 11/16" SCREW	10 PER LEAF
58	-	NO. 10 X 9/16" S.S SCREW	2 PER CLIP
59	-	NO. 10 X 1 19/32" S.S. SCREW	4 PER CLIP
60	-	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
61	-	NO. 6 X 3/4" S.S. SCREW	1/4" FROM ENDS & MAX. 9 17/32" O.C.

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Expiration Date FEB 08, 2012
By [Signature]
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JAN 13 2009
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1460	B
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