



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

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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

DESCRIPTION: Series "IR-500 Flush, Dry and Wet Glazed" Aluminum Storefront System – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1633, titled "IR500 Aluminum Storefront System - Large Missile Impact" Sheets 1 thru 9 of 9, dated 01/27/09, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 09-0218.08
Expiration Date: April 15, 2014
Approval Date: April 15, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1633**, titled "IR500 Aluminum Storefront System - Large Missile Impact" Sheets 1 thru 9 of 9, dated 01/27/09, prepared by W. W. Schaeffer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, P.E.

B. TESTS

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) 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 202-94along with marked-up drawings and installation diagram of series IR-501 aluminum flush glazed storefront system, specimens #1, 2, 2A, 5, 6, 7 and 8, by Hurricane Test Laboratory LLC, Test Report No. **HTL-G049-0201.08**, dated 03/07/07, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS

1. Revised anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, dated 02/10/09, prepared by W. W. Schaeffer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaeffer, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **05-1208.02** issued to E. I. DuPont de Nemours for "Dupont Butacite PVB", approved on 01/05/06 and expiring on 12/11/2010
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for "Saflex IIIG clear & colored interlayer", approved on 05/04/06 expiring on 05/21/2011.
3. Notice of Acceptance No. **07-1116.04** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Plus**" dated 01/03/08, expiring on 01/14/12.
4. TREMCO Part No. **TR-14271E** EPDM exterior glazing gasket complying with ASTM C864 Option II exceptions, ASTM D412 1600 PSI, D395B 22 HRS 158°F.



Manuel Perez, P.E.

Product Control Examiner

NOA No. **09-0218.08**

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F. STATEMENTS

1. Statement letter of conformance, dated January 29, 2009, signed and sealed by Warren W. Schaeffer, P.E.
2. Statement letter of no financial interest, dated February 10, 2009, signed and sealed by Warren W. Schaeffer, P.E.
3. Laboratory compliance letter for Test Report No. **HTL-G049-0201-08**, issued by Hurricane Test Laboratory, Inc., dated October 14, 2008, signed Jose E. Colon, E.I.
4. Test Proposal #**07-3288**, dated 10/11/07, issued by BCCO, signed by Ishaq I. Chanda, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0218-08

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GENERAL NOTES:

1. THESE STORE FRONT 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 STORE FRONT 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 STORE FRONTS.
7. ALL ANCHORS SECURING WINDOW/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 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 $C_d = 1.6$ 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.

CORNER & FRAME END CONSTRUCTION:

FRAME HEAD CORNER (APPLICABLE TO ITEM #1A & 1B): HEAD IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH THREE(3) NO. 12 X 1" PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE HEAD MEMBER SCREW SPLINES & SEALED WITH SILICONE.

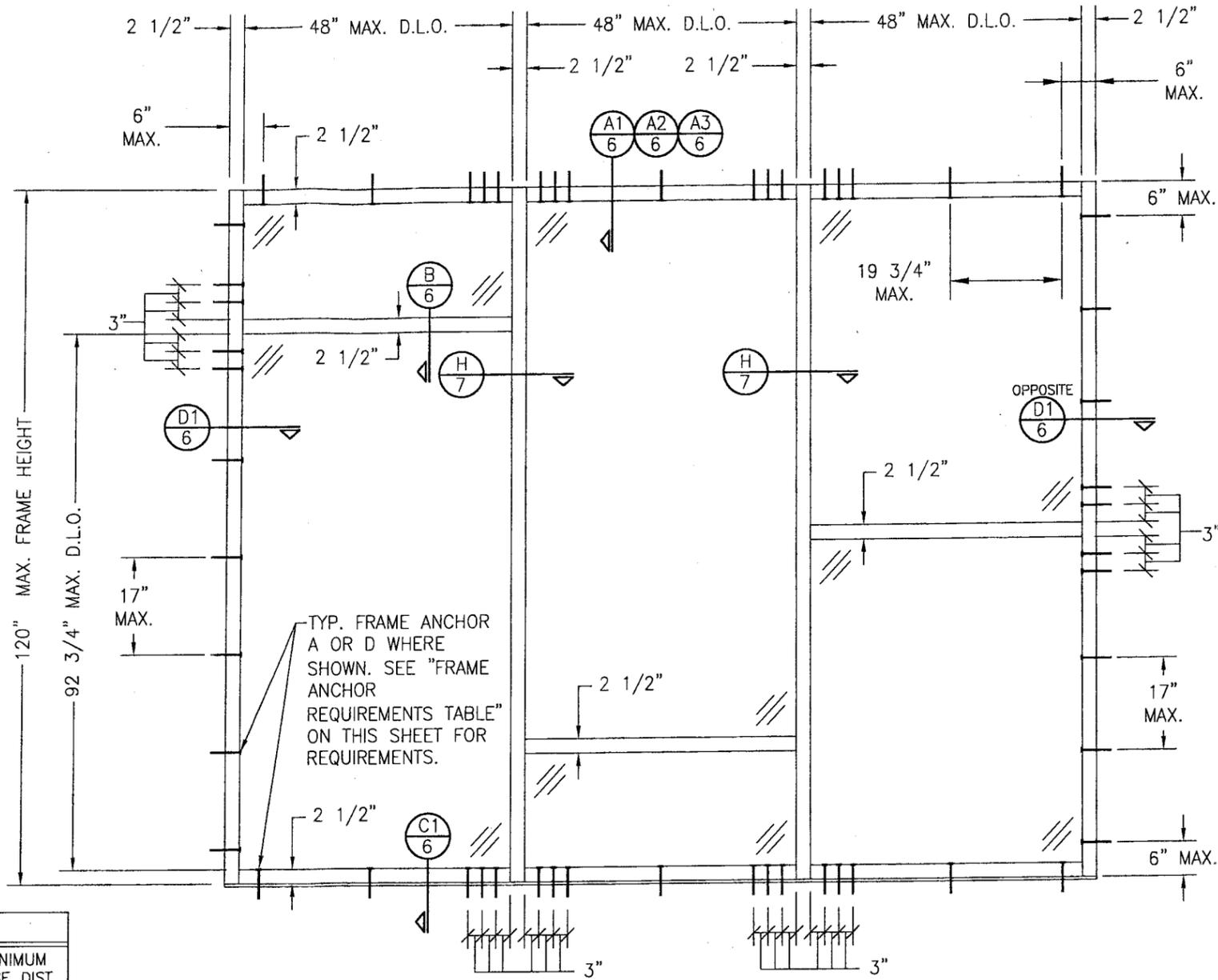
FRAME HEAD CORNER (APPLICABLE TO ITEM #1C): HEAD IS MITER OR SQUARE CUT, BUTTED TO SIDE, FASTENED WITH TWO(2) NO. 12 X 1 1/2" PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE HEAD MEMBER SCREW SPLINES & SEALED WITH SILICONE.

FRAME SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH THREE(3) NO. 12 X 1" PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE SILL MEMBER SCREW SPLINES & SEALED WITH SILICONE.

FRAME DOOR JAMB SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH 1 JAMB PIVOT ASSEMBLY. EACH PIVOT ASSEMBLY WAS FASTENED TO TO THE SIDE WITH THREE(3) NO. 12-24 X 5/8" FHMS. THE THRESHOLD IS THEN FASTENED TO PIVOT ASSEMBLY WITH TWO(2) NO. 12-24 X 3/8" FHMS & SEALED WITH SILICONE.

HORIZONTAL FRAME MULLION END (APPLICABLE TO ITEMS #6A & #7): HORIZONTAL IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH THREE(3) NO. 12 X 1" SS PHTFS FASTENERS THROUGH THE SIDE MEMBER INTO THE MULLION MEMBER SCREW SPLINES & SEALED WITH SILICONE.

HORIZONTAL FRAME MULLION END (APPLICABLE TO ITEM #6B): HORIZONTAL IS SQUARE CUT, BUTTED TO SIDE, JOINED VIA A SHEAR BLOCK (PART #21). THE SHEAR BLOCK IS FASTENED TO THE VERTICAL FRAME MEMBER WITH FOUR(4) NO. 12 X 1 7/8" FHTF TYPE B SCREWS. THE HORIZONTAL MEMBER IS FASTENED TO THE SHEAR BLOCK WITH THREE(3) NO. 12 X 1" FHTF TYPE AB SCREWS. EACH CORNER IS SEALED WITH DOW 795 SILICONE SEALANT.



**EXTERIOR ELEVATION
MULTIPLE FIXED PANEL STORE FRONT ASSEMBLY
(WITH ANCHOR TYPE "A" OR "D" TO WOOD OR METAL STUD)**

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

HORIZONTAL STACKING & OVERALL UNIT WIDTH IS UNLIMITED PROVIDING D.L.O. DOES NOT EXCEED 48" WIDE AT EACH PANEL. NUMBER OF VERTICAL PANELS IS UNLIMITED BUT MUST FIT INSIDE MAXIMUM FRAME HEIGHT SHOWN.

ALLOWABLE DESIGN PRESSURE

+/-65 PSF

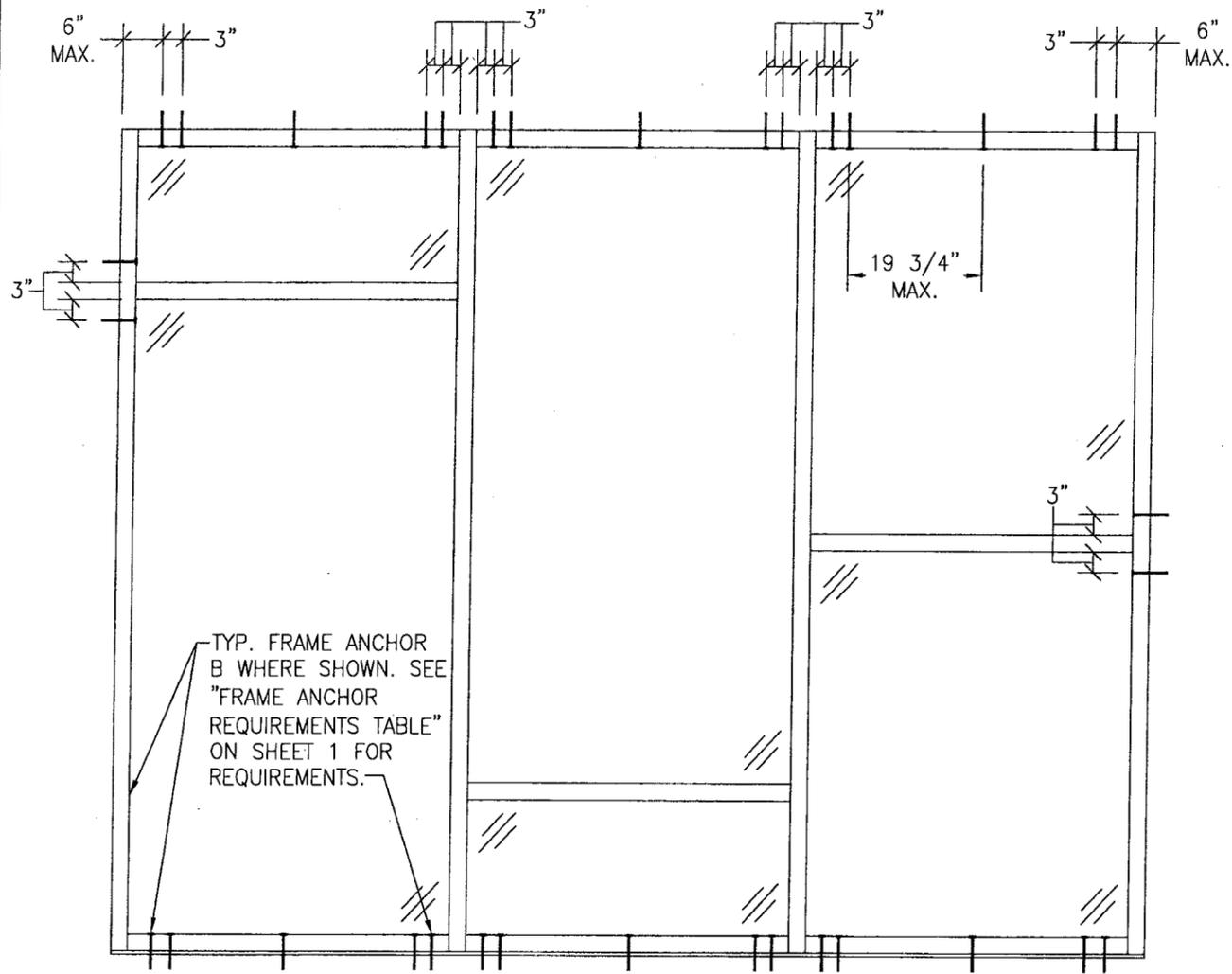
Approved as complying with the Florida Building Code
Date: **APRIL 15, 2009**
NO. **09-0218.08**
Marked Date Product Control
By: *Manuel Perez*

FRAME ANCHOR REQUIREMENTS TABLE

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 SCREWS	1 1/4"	3/4"
B	MIN. 1/8" THICK A36 STEEL (MIN. Fy = 36 ksi)	(2) 1/4-20 SELF DRILLING/TAPPING SCREW	FULL	3/4"
C	MIN. 3000 P.S.I. CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"
D	MIN. 16 GA. 33 KSI METAL STUD	(2) 1/4-20 SELF DRILLING/TAPPING SCREW	FULL	1/2"
E	MIN. C90 BLOCK	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
(4) F	MIN. 3000 P.S.I. CONCRETE	(3) 3/8" WEDGE/SLEEVE ANCHOR	2 1/2"	3"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, 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 CORROSION RESISTANT STEEL
- (3) WEDGE/SLEEVE ANCHORS SHALL BE RAMSET/RED HEAD DYNABOLT, HILTI KWIK-BOLT 3, OR POWERS RAWL POWER BOLT (STEEL OR S.S.)
- (4) ANCHOR TYPE "F" IS ONLY APPLICABLE FOR USE WITH THE SILL ANCHOR BLOCK AT THE VERTICAL DOOR MULLION BOTTOM END.

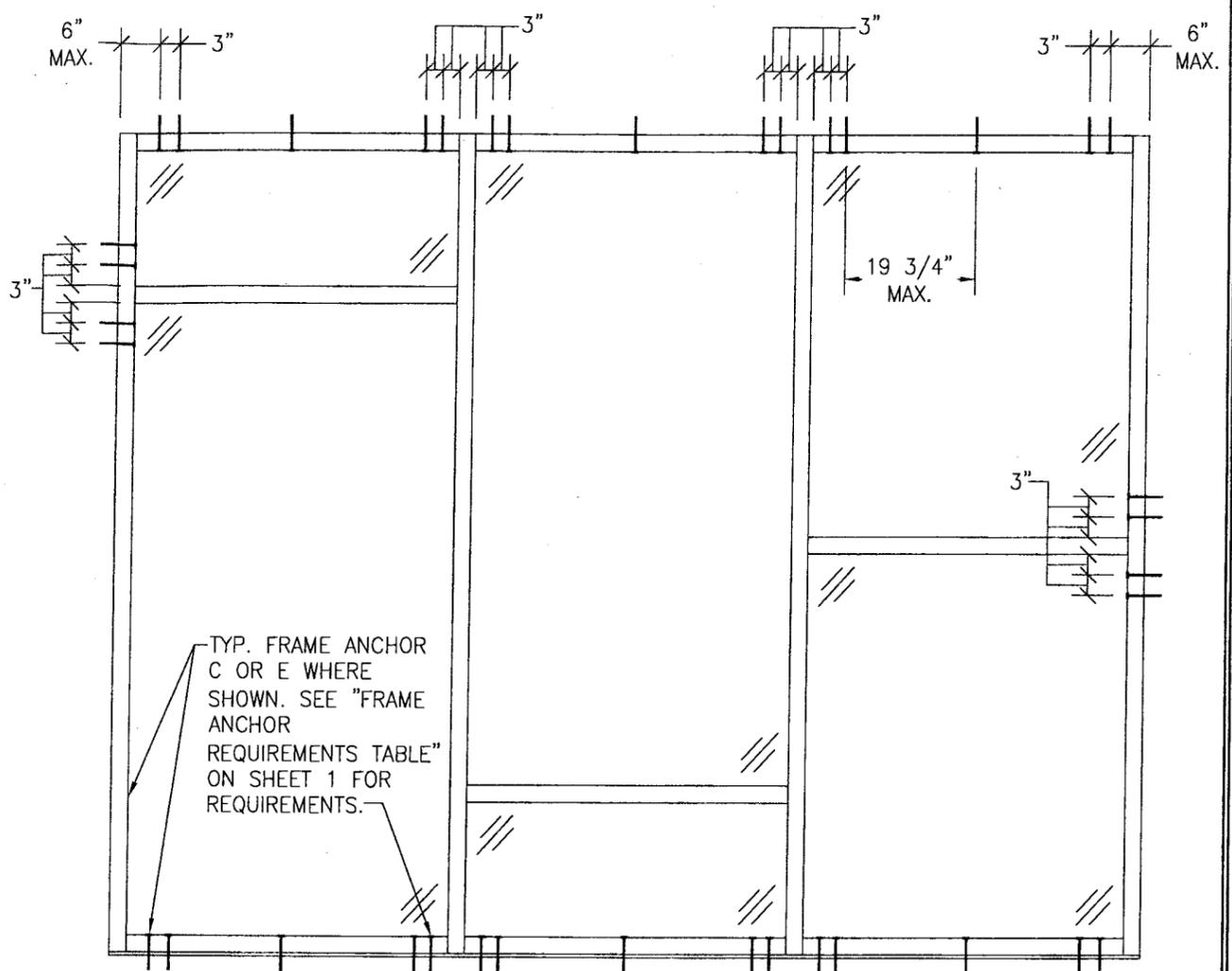
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PLOT: 1-24	DATE: 01/27/09
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION FEB 10 2009	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1633	REV.
SHEET NO. 1	OF 9



**EXTERIOR ELEVATION
 MULTIPLE FIXED PANEL STORE FRONT ASSEMBLY
 (WITH ANCHOR TYPE "B" TO STEEL)**

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

FOR ALL FRAMING & D.L.O. DIMENSIONS AND SECTIONS, SEE ELEVATION ON SHEET 1.



**EXTERIOR ELEVATION
 MULTIPLE FIXED PANEL STORE FRONT ASSEMBLY
 (WITH ANCHOR TYPE "C" & "E" TO CONCRETE/CMU)**

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

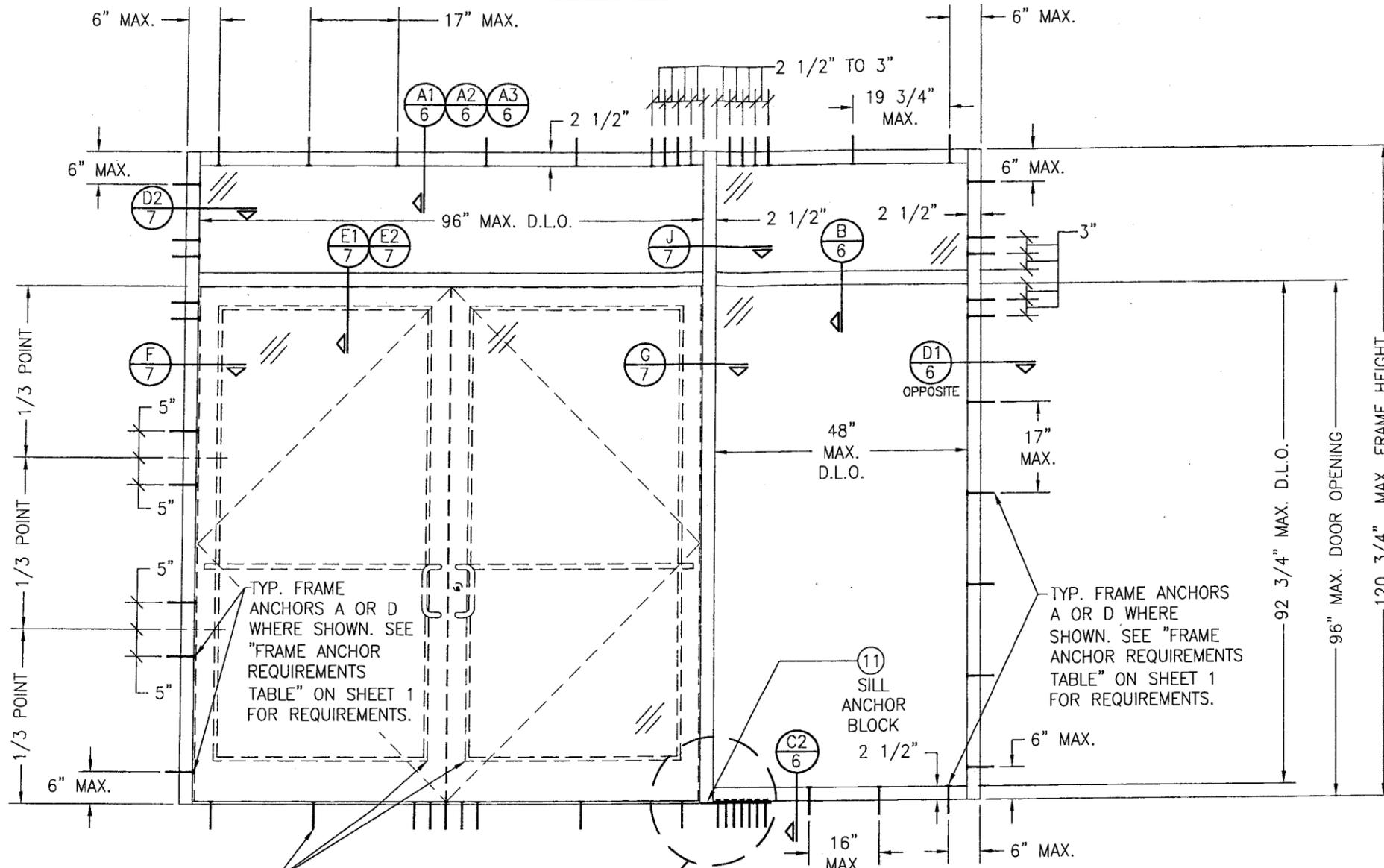
FOR ALL FRAMING & D.L.O. DIMENSIONS AND SECTIONS, SEE ELEVATION ON SHEET 1.

NOTE: CMU IS APPLICABLE ONLY AT SIDES.

ALLOWABLE DESIGN PRESSURE
 +/-65 PSF

Approved as complying with the
 Florida Building Code
 Date: **APRIL 15, 2009**
 NCAP **09-0218.02**
 Record Trade Product Control
 Division
 By: *Manuel Perez*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
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 FEB 10 2009			
DRAWING NO. 1633		REV.	
SHEET NO. 2		OF 9	



350 IR LARGE MISSILE IMPACT
OUT-SWING DOORS & SILL ANCHORS
UNDER SEPERATE APPROVAL

SEE MULLION END DETAILS
ON SHEET 8

EXTERIOR ELEVATION
STORE FRONT ASSEMBLY WITH DOORS & TRANSOM
(WITH ANCHOR TYPE "A" OR "D" TO WOOD OR METAL STUD)

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

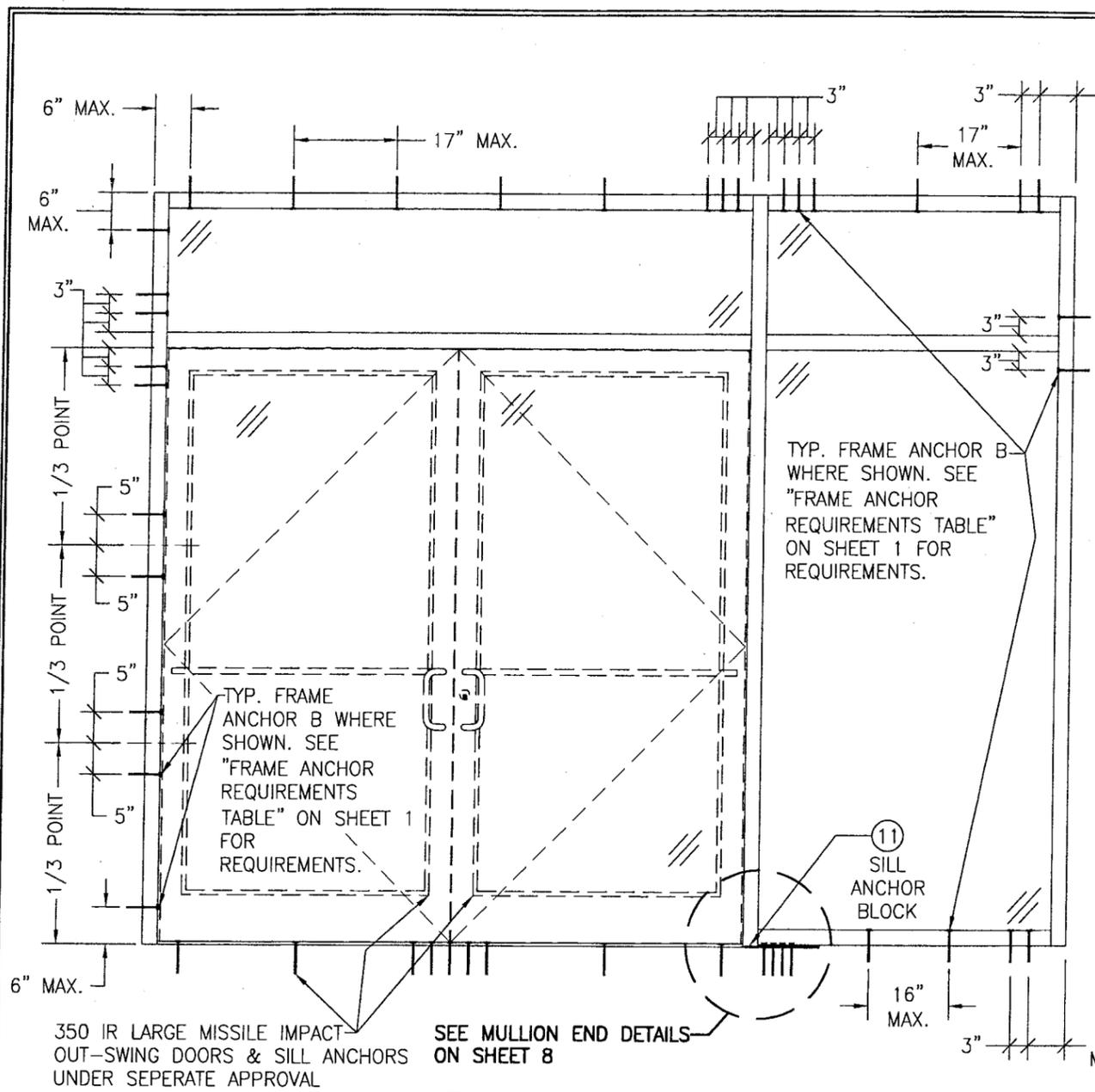
SINGLE SIDELIGHT SHOWN, MULTIPLE SIDELIGHT CONDITION ALSO APPLIES WITH
SIDELIGHT AT ONE OR BOTH SIDES.
DOUBLE DOOR CONDITION SHOWN, SINGLE DOOR CONDITION ALSO APPLIES.
HORIZONTAL STACKING & OVERALL UNIT WIDTH IS UNLIMITED. NUMBER OF VERTICAL
PANELS IS UNLIMITED BUT MUST FIT INSIDE MAXIMUM FRAME HEIGHT SHOWN.

ALLOWABLE DESIGN PRESSURE

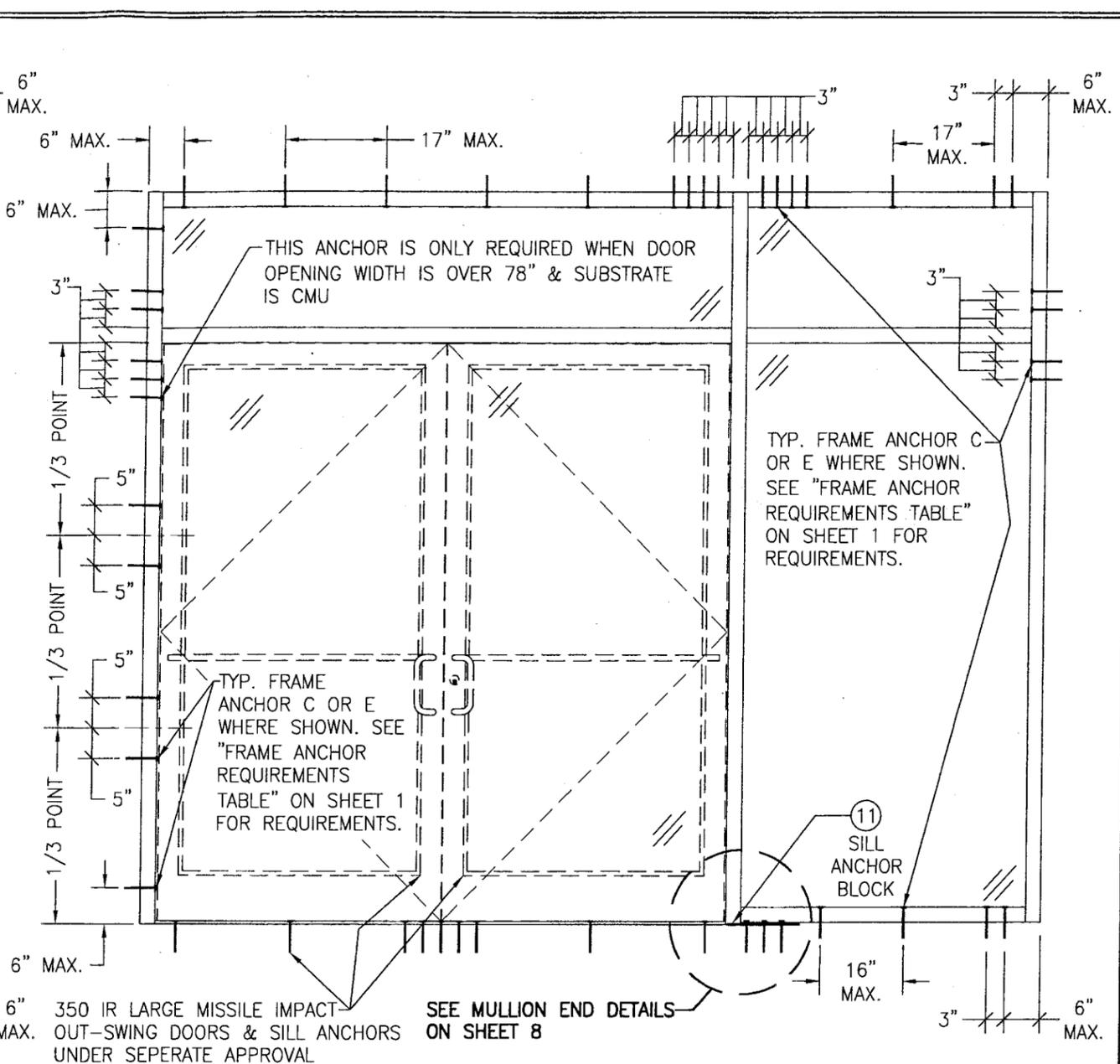
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Approved as complying with the
Florida Building Code
Date **APRIL 15, 2009**
NOA# **09-0218-08**
Product Control
By *Manuel Ruiz*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION	FEB 10 2009		
DRAWING NO.	1633	REV.	
SHEET NO.	3	OF	9



EXTERIOR ELEVATION
STORE FRONT ASSEMBLY WITH DOORS & TRANSOM
(WITH ANCHOR TYPE "B" TO STEEL)
 SCALE: 1/2"=1'-0"
 FOR ALL FRAMING & D.L.O. DIMENSIONS AND SECTIONS, SEE ELEVATION ON SHEET 3.

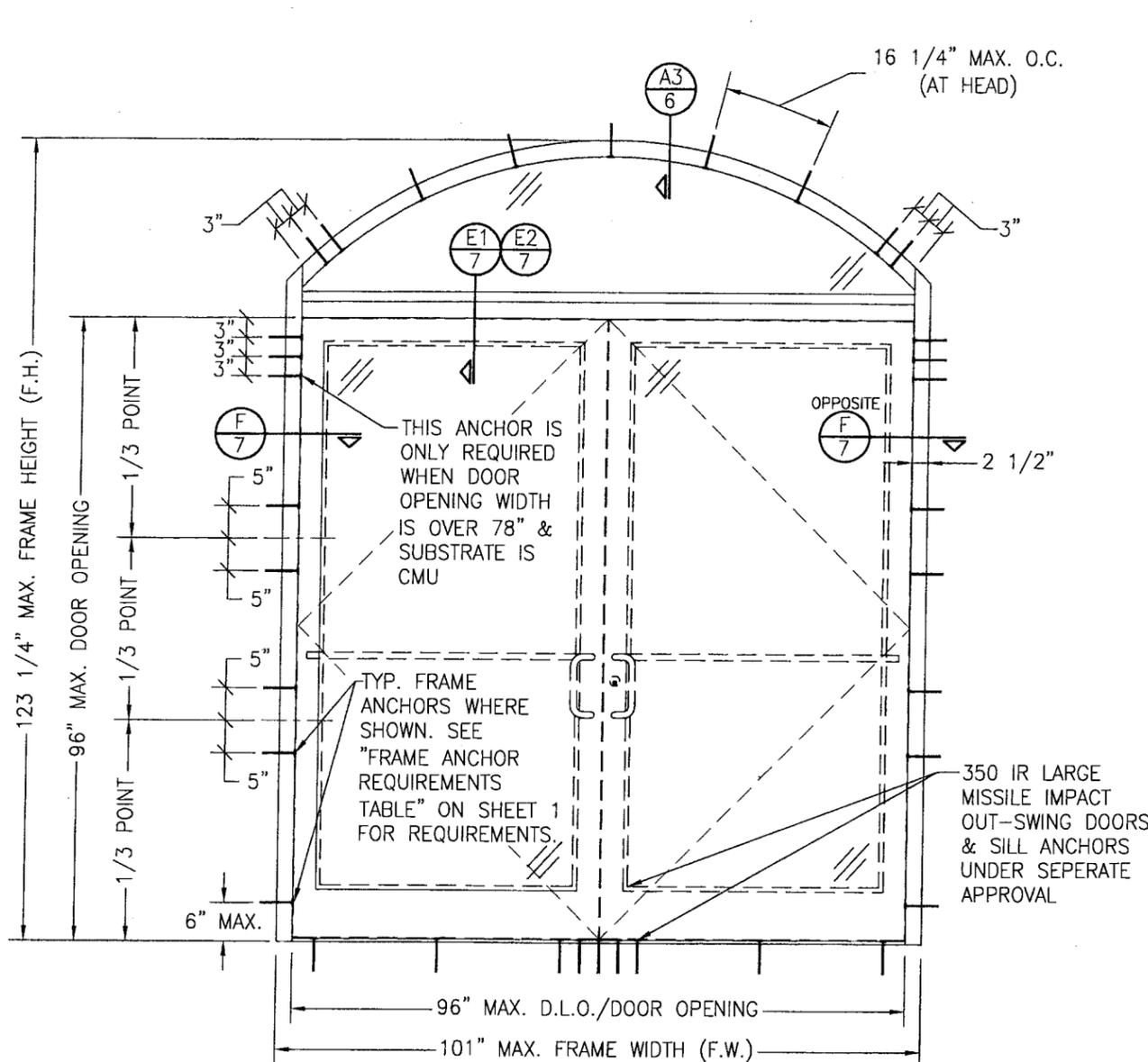


EXTERIOR ELEVATION
STORE FRONT ASSEMBLY WITH DOORS & TRANSOM
(WITH ANCHOR TYPE "C" & "E" TO CONCRETE/CMU)
 SCALE: 1/2"=1'-0"
 FOR ALL FRAMING & D.L.O. DIMENSIONS AND SECTIONS, SEE ELEVATION ON SHEET 3.
 NOTE: CMU IS APPLICABLE ONLY AT SIDES.

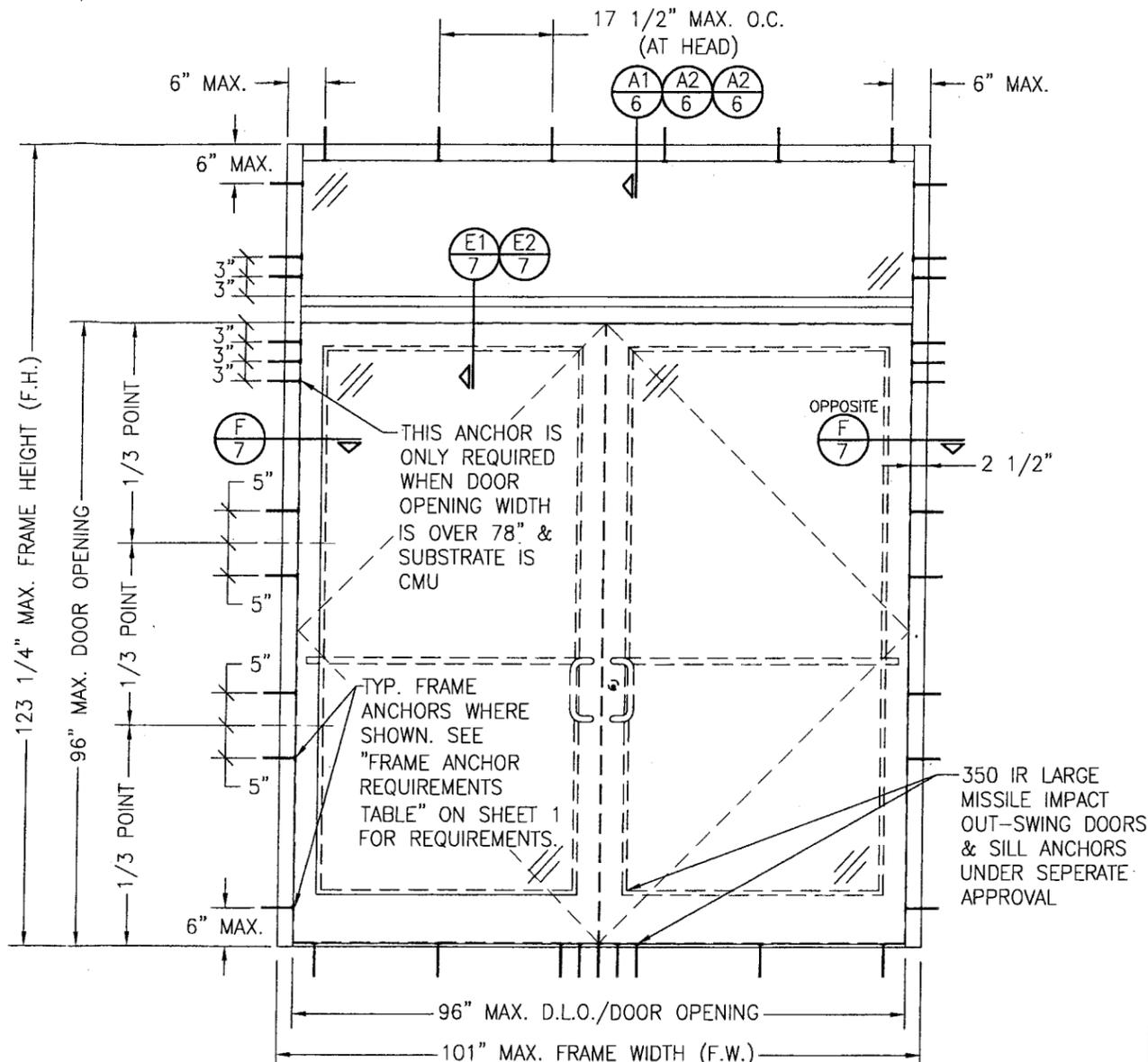
ALLOWABLE DESIGN PRESSURE
 +/-65 PSF

Approved as complying with the
 Florida Building Code
 Date: **APRIL 15, 2009**
 NOAH **09-0215.0B**
 General Code Product Control
 Division
 By: *Manuel Perez*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
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 FEB 10 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1633		REV.	
SHEET NO. 4		OF 9	



EXTERIOR ELEVATION
STORE FRONT FRAMING WITH DOORS & EYEBROW TRANSOM
(APPLICABLE WITH ALL SUBSTRATES)
 (DOUBLE DOOR CONDITION SHOWN, SINGLE DOOR CONDITION ALSO APPLIES)
 SCALE: 1/2"=1'-0"

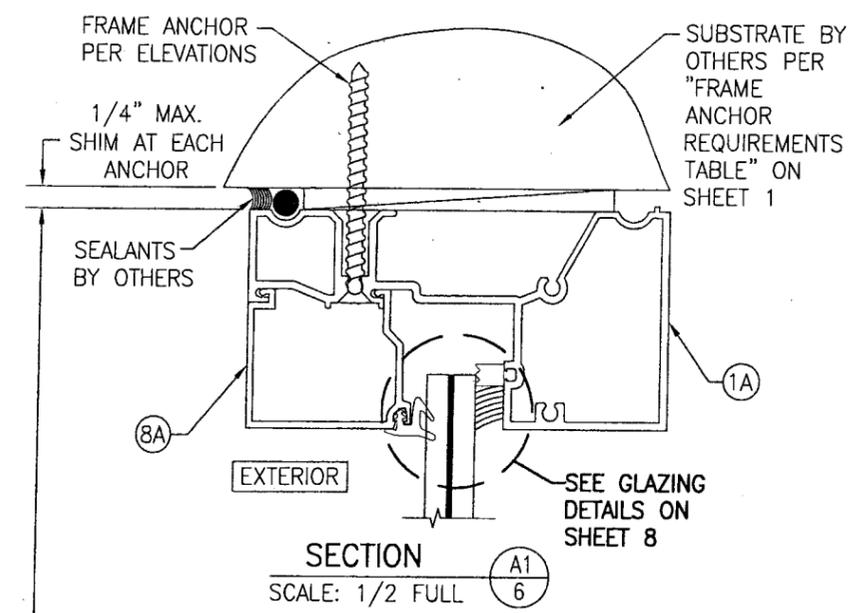


EXTERIOR ELEVATION
STORE FRONT FRAMING WITH DOORS & RECTANGULAR TRANSOM
(APPLICABLE WITH ALL SUBSTRATES)
 (DOUBLE DOOR CONDITION SHOWN, SINGLE DOOR CONDITION ALSO APPLIES)
 SCALE: 1/2"=1'-0"

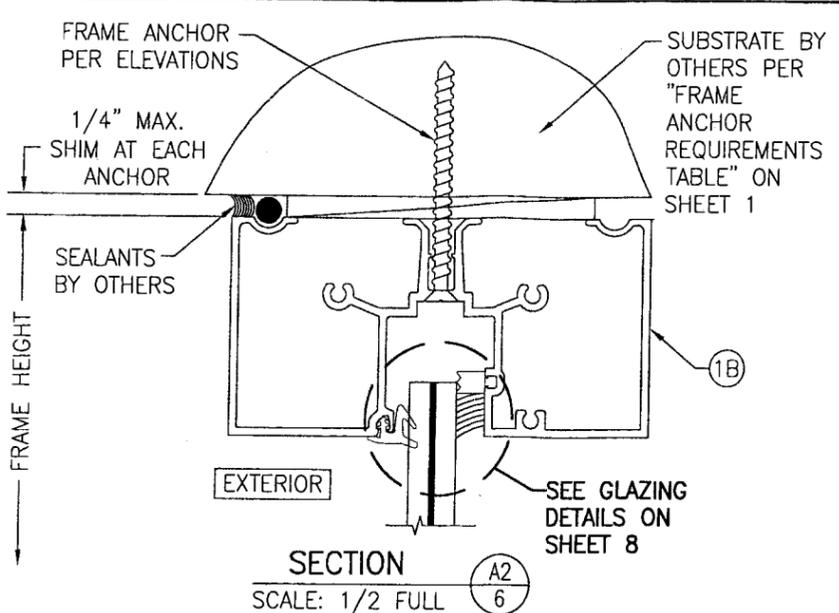
ALLOWABLE DESIGN PRESSURE
 +/-65 PSF

Approved as complying with the
 Florida Building Code
 Date: APRIL 15, 2009
 NDAR 09-0218-DB
 Return Date Product Control
 Division
 By: *Manuel Perez*

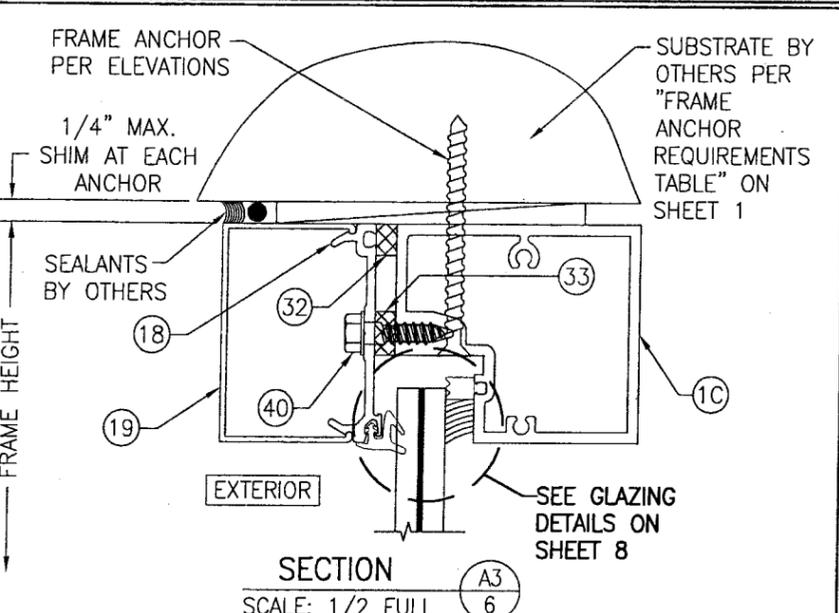
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PLOT: 1=24		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KAWNEER COMPANY, INC.	
8895 N. MILITARY 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: FEB 10 2009		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1633	REV.		
SHEET NO. 5	OF 9		



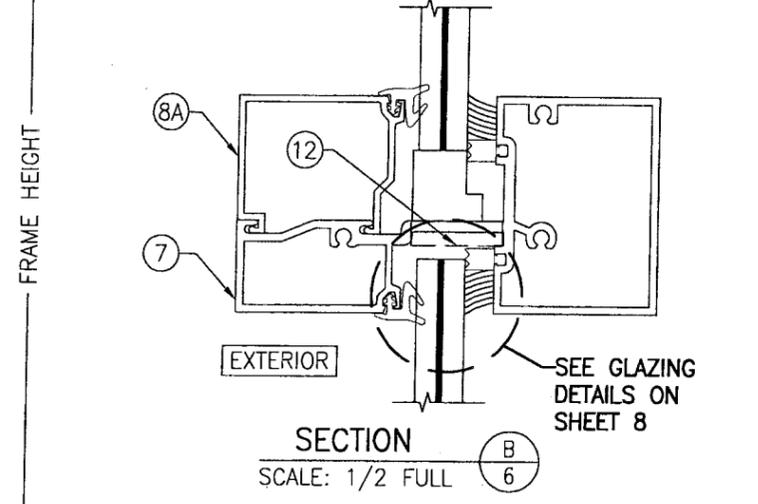
SECTION A1
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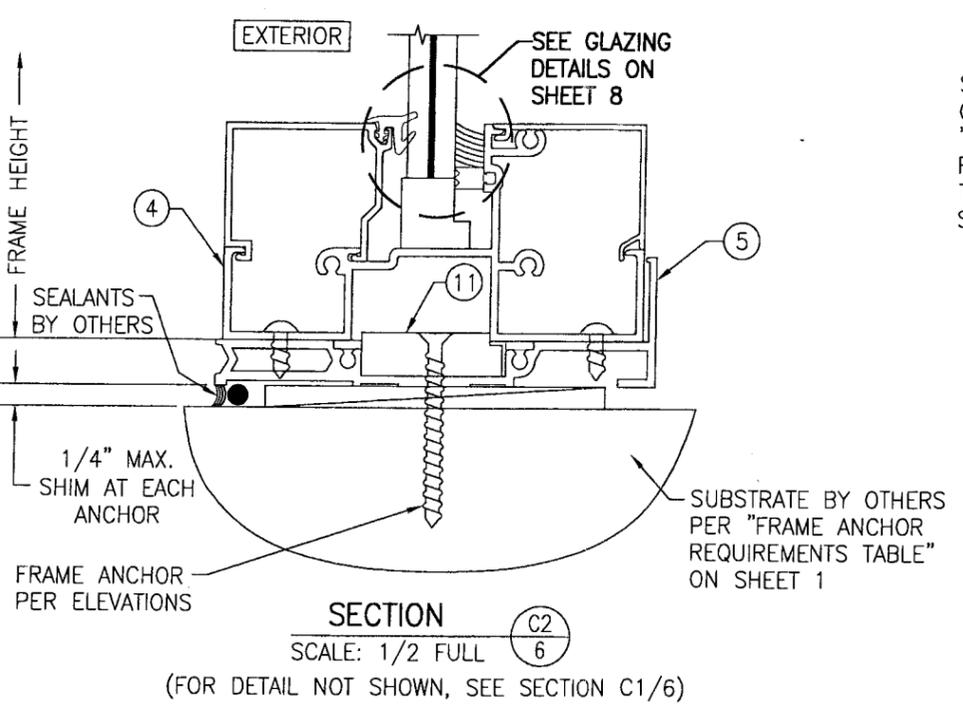
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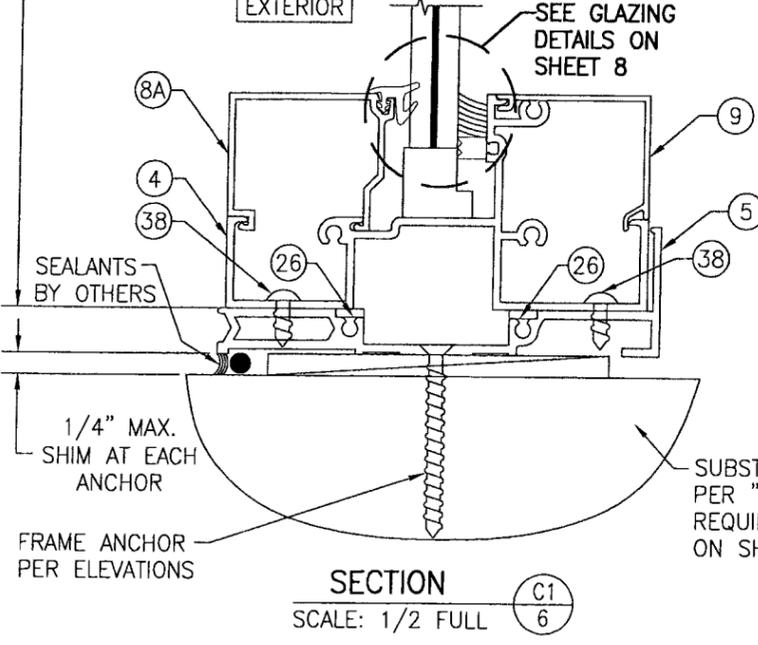
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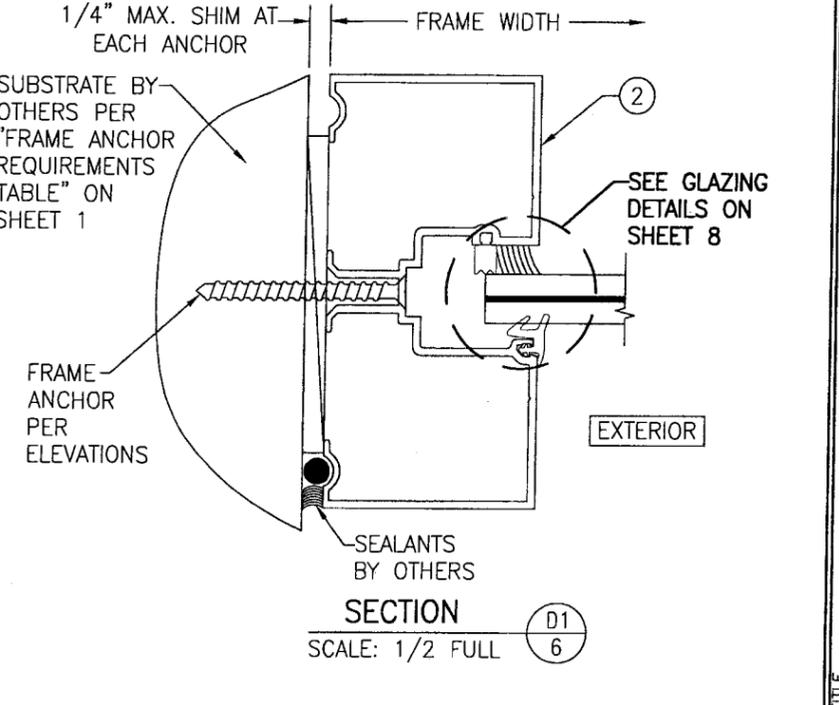
SECTION B
SCALE: 1/2 FULL



SECTION C2
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION C1/6)



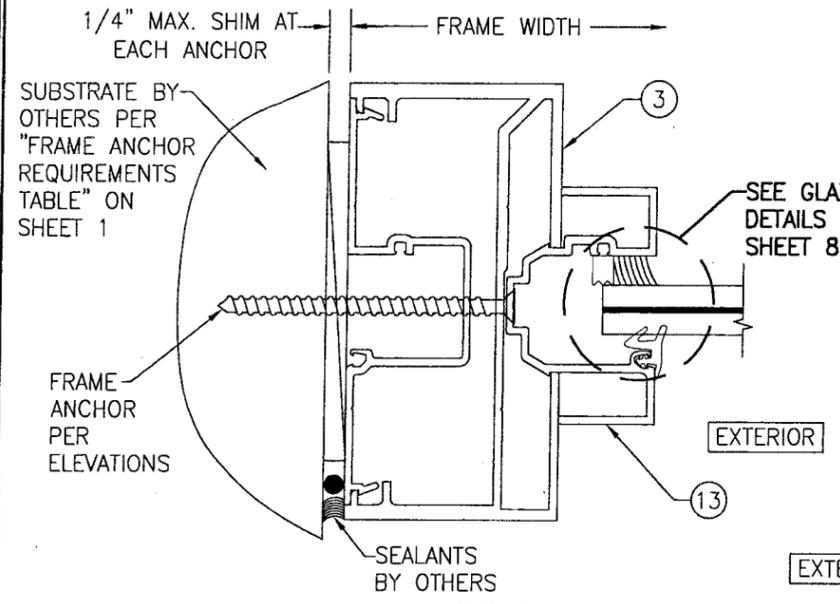
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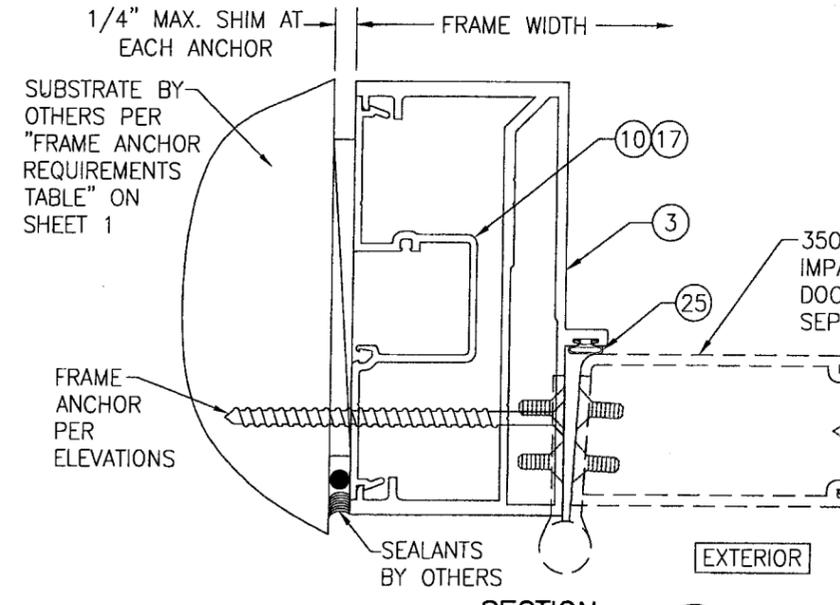
SECTION D1
SCALE: 1/2 FULL

Approved as complying with the Florida Building Code
Date: APRIL 15, 2009
NO. 09-0218-DB
Product Control
Division
By: *Manuel Perez*

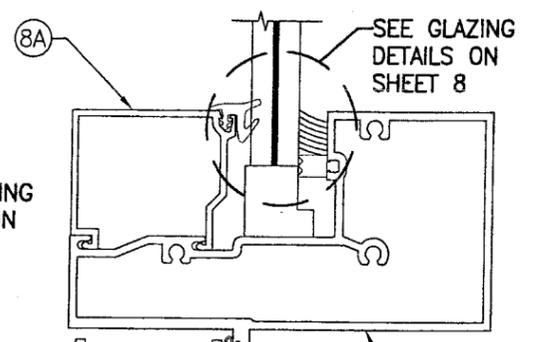
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KAWNEER COMPANY, INC.	
8805 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION: FEB 10 2009			
DRAWING NO. 1633		REV.	
SHEET NO. 6 OF 9			



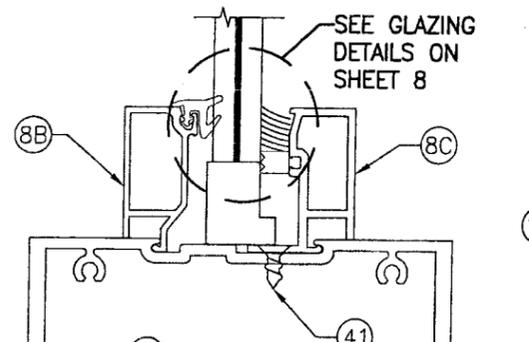
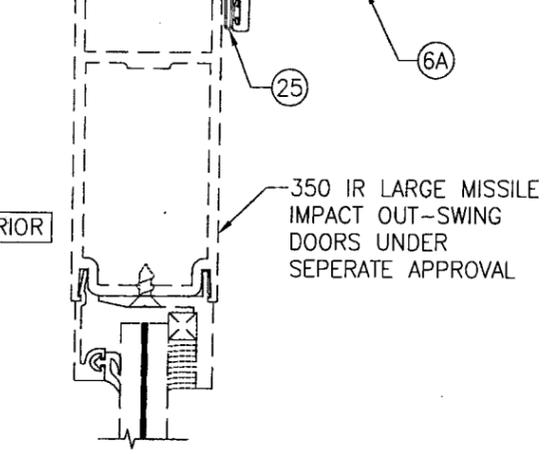
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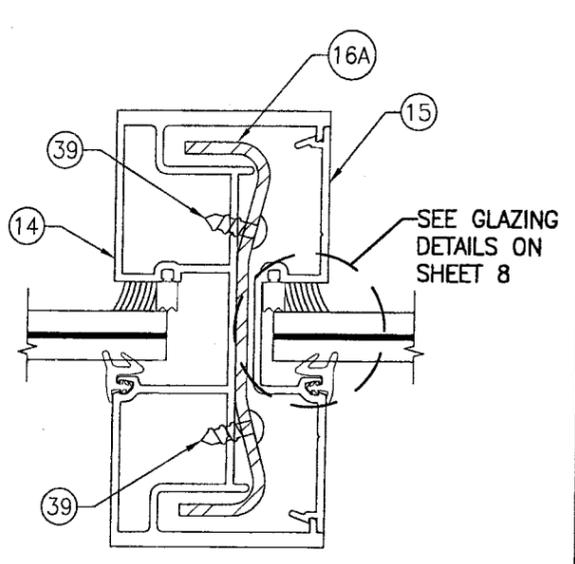
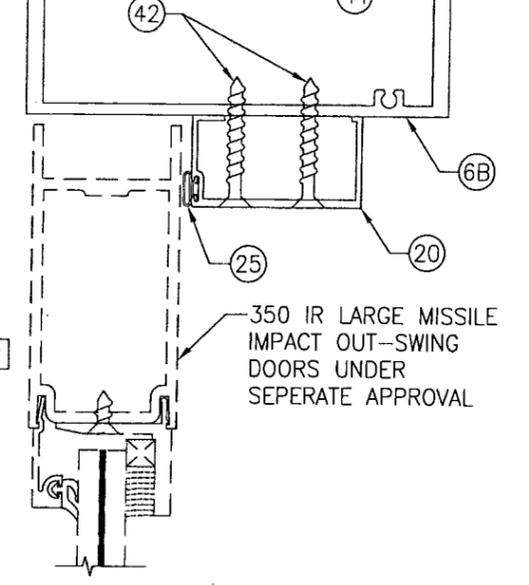
SECTION F
SCALE: 1/2 FULL



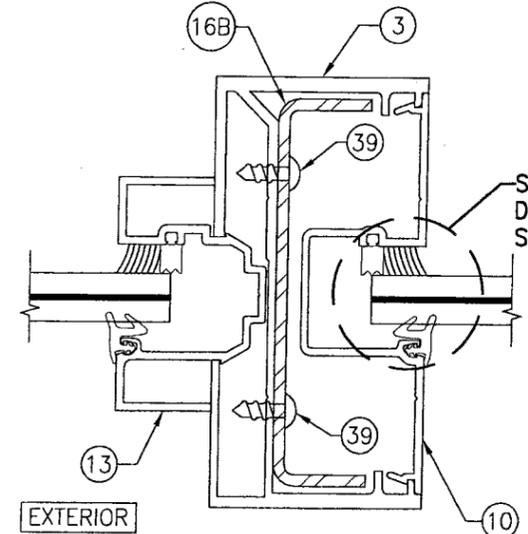
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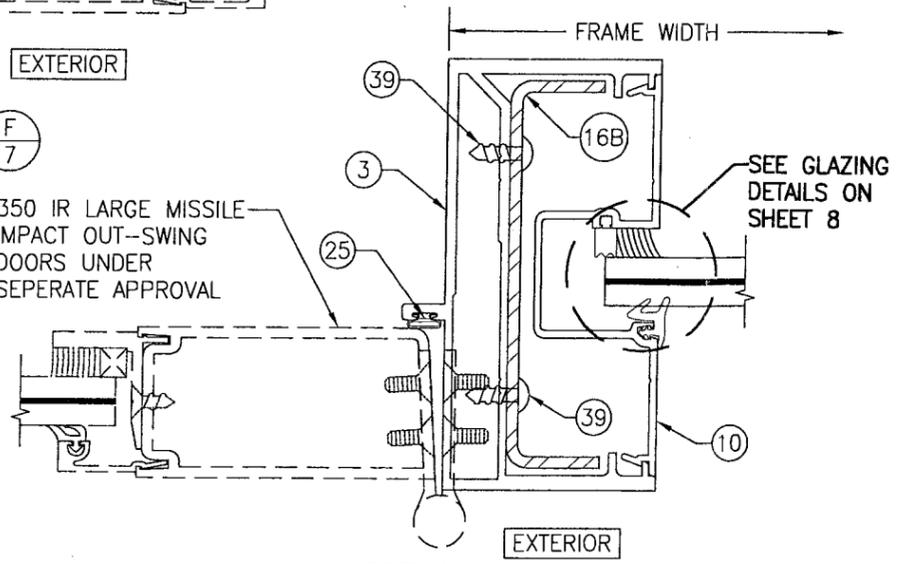
SECTION E2
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SECTION H
SCALE: 1/2 FULL



SECTION J
SCALE: 1/2 FULL

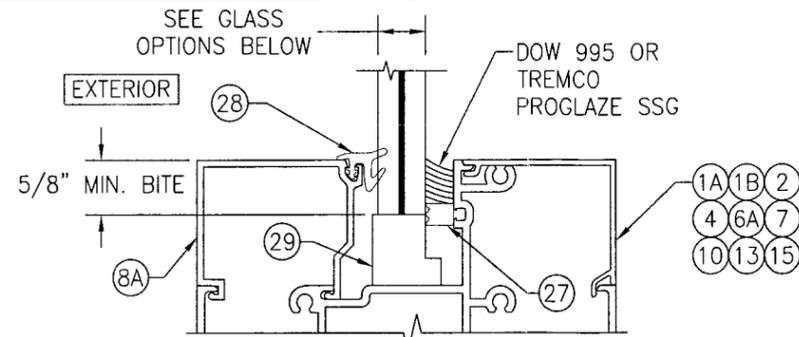
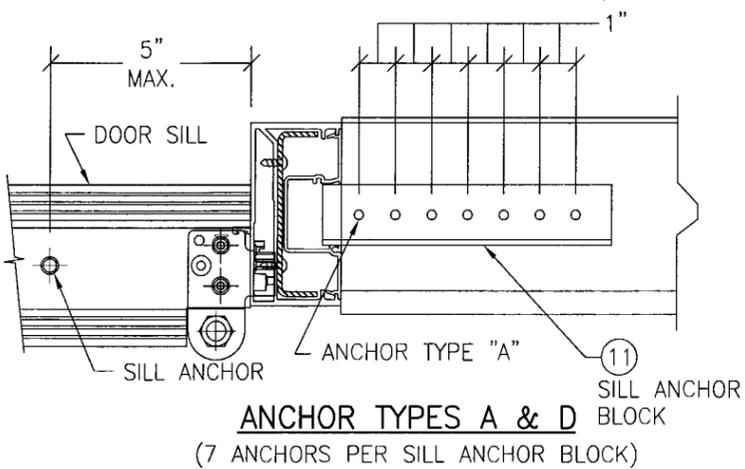
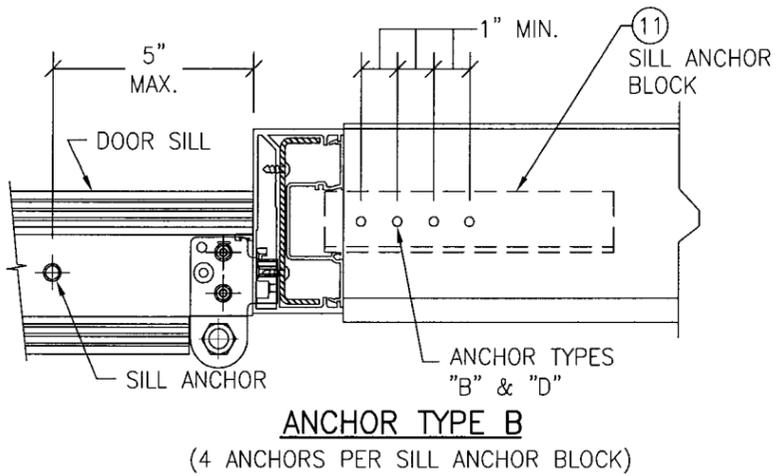
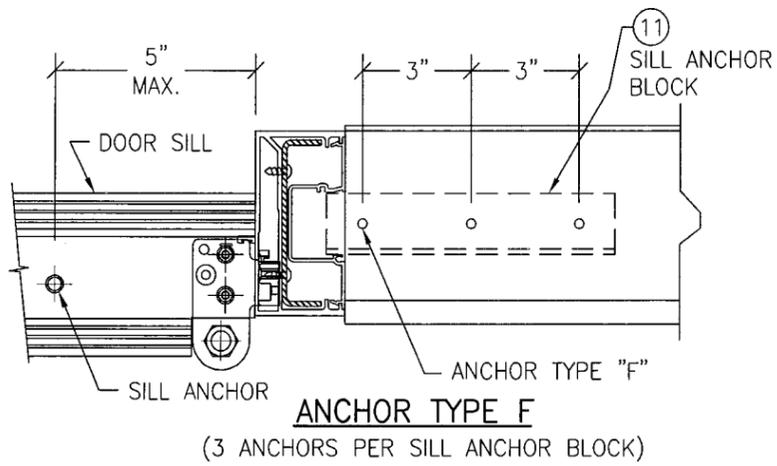


SECTION G
SCALE: 1/2 FULL

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 01/27/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT			
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	FEB 10 2009		
	W. W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO.	1633	REV.	
SHEET NO.	7	OF	9

Approved as complying with the Florida Building Code
 Date: APRIL 15, 2009
 NO. 09-0218.0B
 Division
 By: *Manuel Perez*

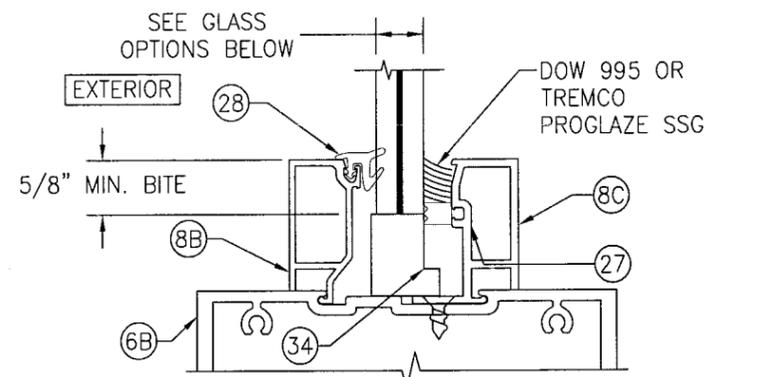
MULLION END CONNECTION DETAILS AT VERTICAL MULLIONS ALONG SIDE DOORS
(TYPICAL AT SILL ONLY)



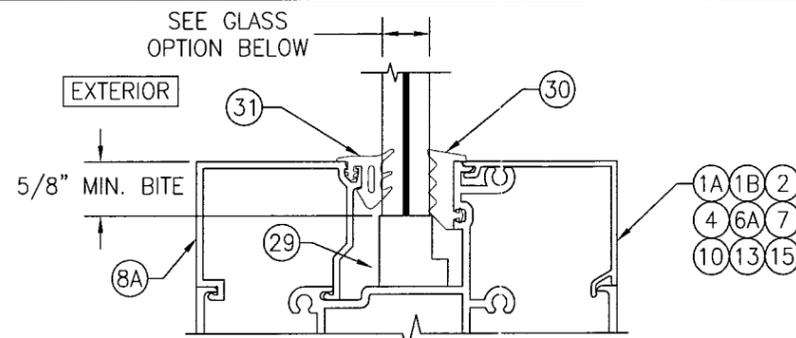
TYP. GLAZING DETAIL
(WET GLAZED; SINGLE GLAZING BEAD CONDITION)

GLASS OPTIONS (WET GLAZED):

- OPTION 1: 9/16" THICK LAMINATED GLASS BY SOLUTIA (1/4" HT. ST./0.09 SOLUTIA SAFLEX III G PVB/1/4" HT. ST.)
- OPTION 2: 9/16" THICK LAMINATED GLASS BY DUPONT (1/4" HT. ST./0.09 DUPONT BUTICITE PVB/1/4" HT. ST.)



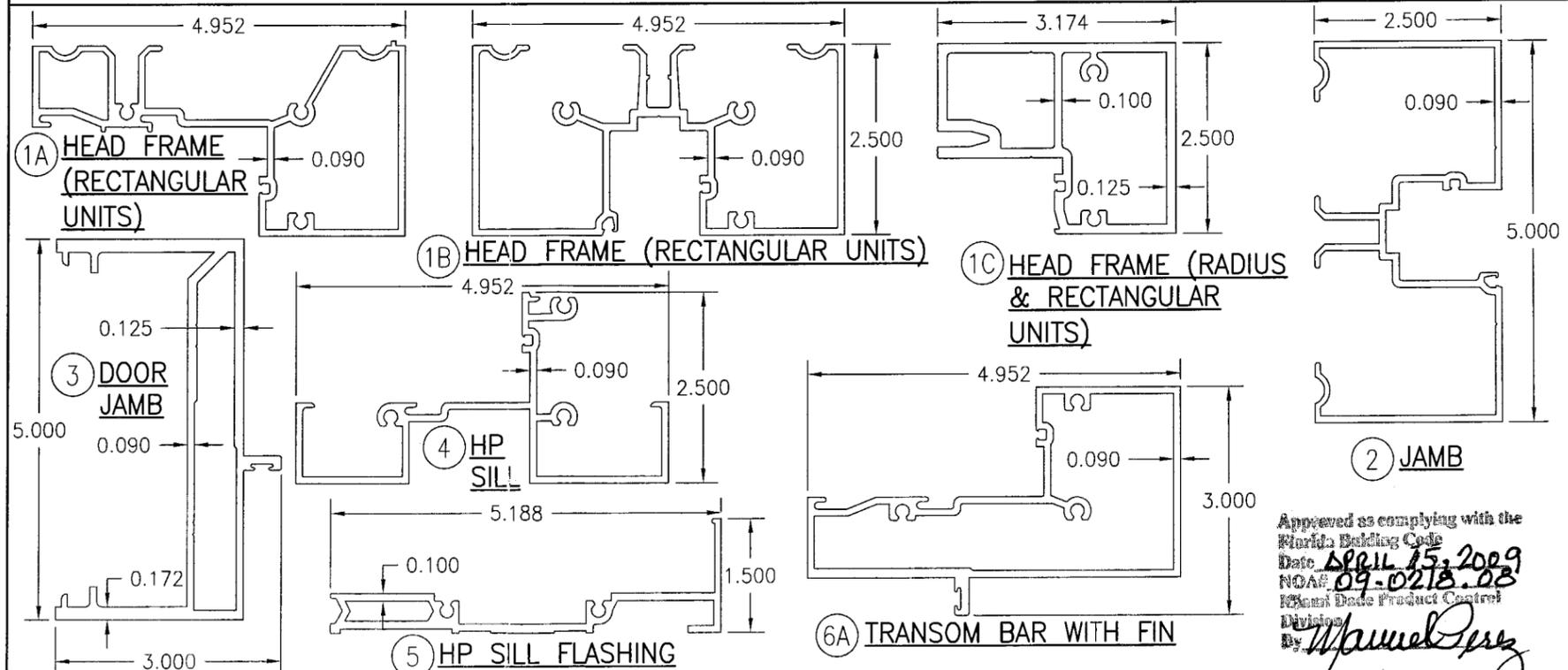
TYP. GLAZING DETAIL
(WET GLAZED; DOUBLE GLAZING BEAD CONDITION)



TYP. GLAZING DETAIL
(DRY GLAZED; SINGLE GLAZING BEAD CONDITION)

GLASS OPTION (DRY GLAZED):

- OPTION 1: 9/16" THICK LAMINATED GLASS BY DUPONT (1/4" HT. ST./0.09 DUPONT SGP/1/4" HT. ST.)



Approved as complying with the Florida Building Code
Date: April 15, 2009
NOA: 09-0218-08
Kawneer Date Product Control
Division
By: *Manuel Perez*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 01/27/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE IR500 ALUMINUM STORE FRONT SYSTEM - LARGE MISSILE IMPACT	
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 FEB 10 2009 WARRON W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1633	REV.
SHEET NO. 8	OF 9

