



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
 11805 SW 26th Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

Innovative Metal Solutions
Suites 300-306
900 East Pecan Street
Pflugerville, TX 78660

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 BNC-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. BNC 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 "Steel I-Beam System" 9'6" Outswing Steel Entrance Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. **H557-0804-10-D**, titled "Steel Storefront I-Beam System", sheets 1 through 7 of 7, dated 10/21/10 with the latest revision dated 05/16/11, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control 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, model/ 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 consists of this page 1, evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
 5/23/11

NOA No. 10-1213.05
Expiration Date: June 2, 2016
Approval Date: June 2, 2011
 Page 1

Innovative Metal Solutions

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **H557-0804-10-D**, titled "Steel Storefront I-Beam System", sheets 1 through 7 of 7, dated 10/21/10 with the latest revision dated 05/16/11, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, 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 Steel Storefront I-Beam System, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL T557-1001-09**, dated 10/16/2010, signed and sealed by Vinu J. Abraham, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Wolters Engineering, Inc., dated 05/23/06, signed and sealed by Scott Wolters, P. E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex HP Glass Interlayer**" dated 04/17/2008, expiring on 04/17/2013.

F. STATEMENTS

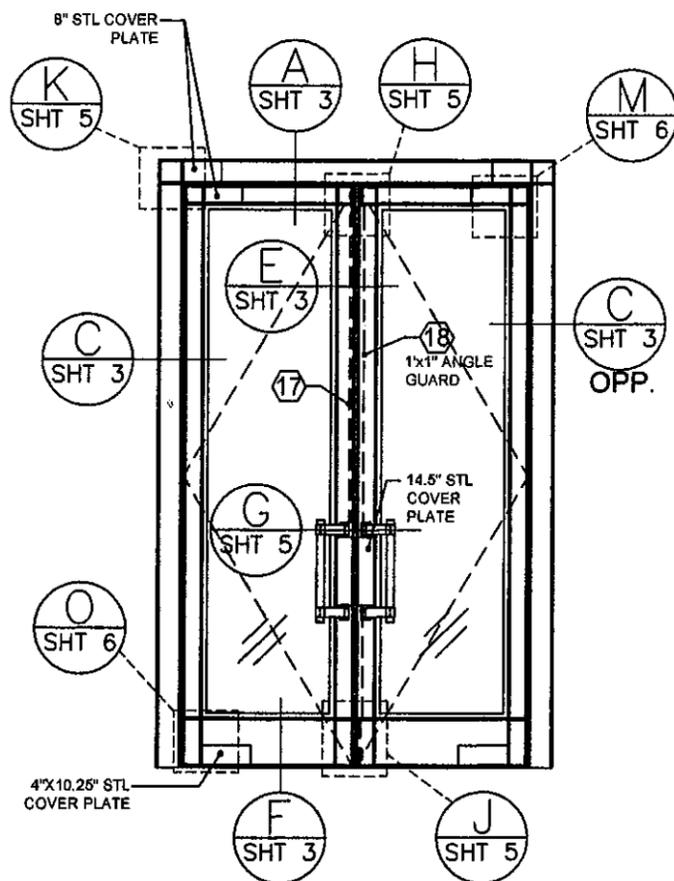
1. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 05/16/2011, signed and sealed by Scott Wolters, P. E.
2. Laboratory compliance letter for Test Report No. **HTL T557-1001-09**, issued by Hurricane Test Laboratory, Inc., dated 10/16/2010, signed and sealed by Vinu J. Abraham, P. E.
3. Laboratory addendum letter for Test Report No. **HTL T557-1001-09**, issued by Hurricane Test Laboratory, Inc., dated 05/13/2011, signed and sealed by Vinu J. Abraham, P. E.

G. OTHERS

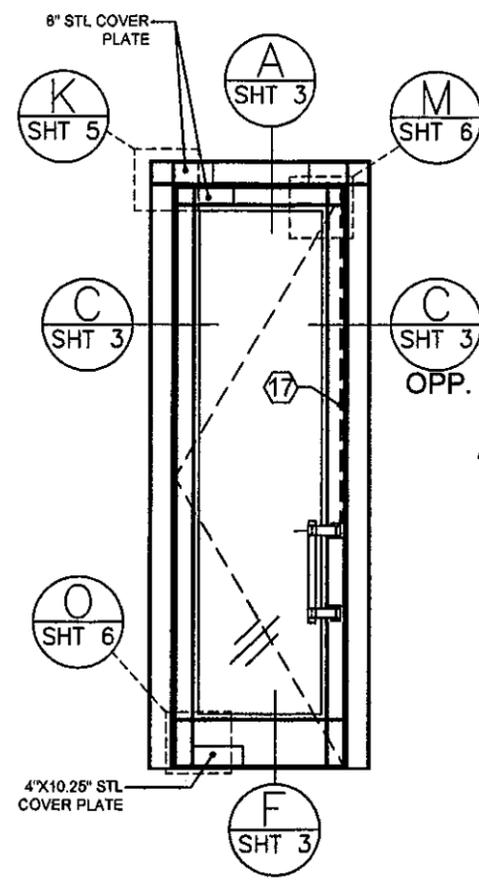
1. None.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 10-1213.05
Expiration Date: June 2, 2016
Approval Date: June 2, 2011

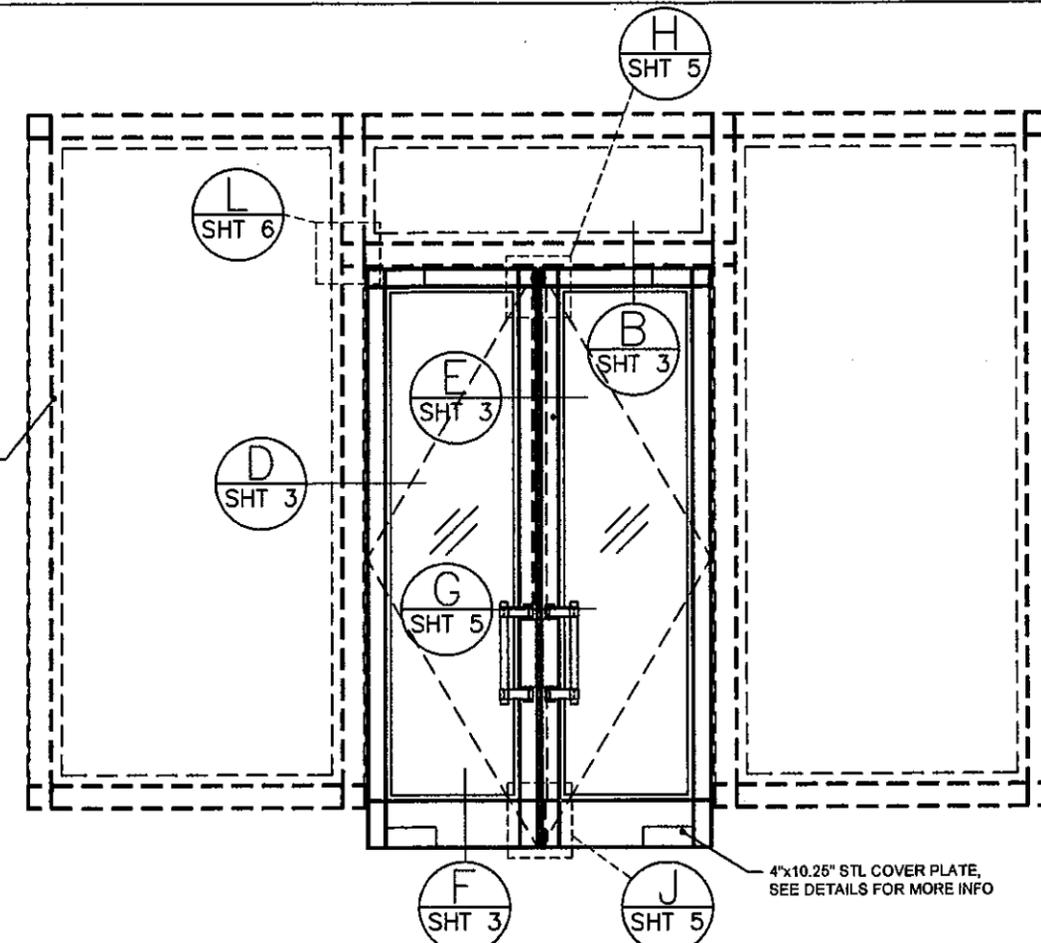


**DOUBLE DOOR ELEVATION
(EXTERIOR VIEW)**



**SINGLE DOOR ELEVATION
(EXTERIOR VIEW)**

SEE SEPARATE
APPROVAL FOR
STOREFRONT
SYSTEM

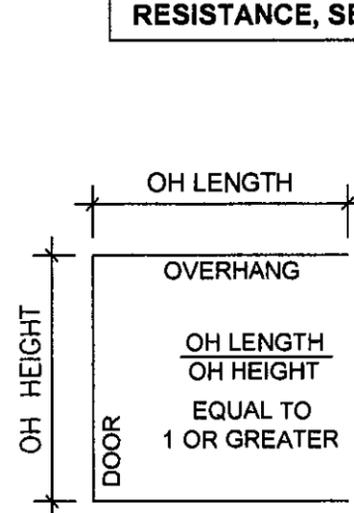


STOREFRONT W/ DOORS ELEVATION (EXTERIOR VIEW)

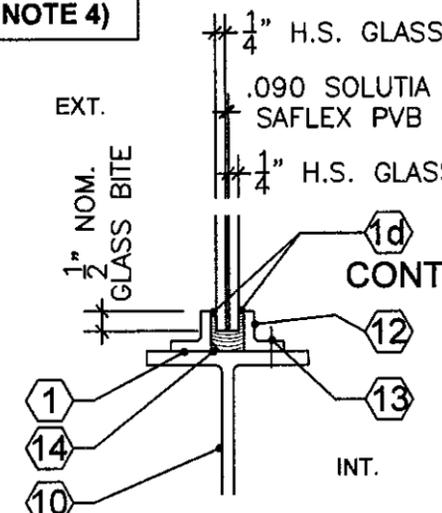
GENERAL NOTES:

1. THIS APPROVAL APPLIES TO IMS STEEL IMPACT RESISTANT OUTSWING DOORS WHEN CONSTRUCTED AND INSTALLED AS DESCRIBED HEREIN.
2. APPROVED CONFIGURATIONS: SINGLE (X) AND DOUBLE (XX) LEAF OUTSWING.
3. ALLOWABLE DESIGN PRESSURE: +/-70 PSF (DOORS NOT TESTED FOR WATER INFILTRATION RESISTANCE).
4. IF THESE DOORS ARE INSTALLED IN A LOCATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED, THEY MUST BE PROTECTED BY A 1-TO-1 OVERHANG COMPLYING WITH THE FBC (SEE OVERHANG DETAIL TO THE RIGHT).
5. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
6. THESE DOORS ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
7. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
8. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
9. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
10. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTER 2003, 2220, 2411.3.3, AND 2326.2 INCLUDING AISC 13TH ED. AND AISC 360.
11. THE STEEL USED TO CONSTRUCT THESE DOORS SHALL BE PROTECTED WITH SEALANT OR OTHER SUITABLE WATERPROOFING METHOD TO ENSURE QUALITY AND PREVENT DETERIORATION OF THE STOREFRONT SYSTEM. ALL SURFACES INCLUDING ENDS AND EDGES SHALL BE PROPERLY PROTECTED.
12. WIND LOAD ALLOWABLE STRESS INCREASES WERE NOT USED IN THIS APPROVAL. A WIND LOAD DURATION FACTOR $C_d = 1.8$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS.
13. DOORS SHALL BE GLAZED WITH: 9/16" LAMINATED GLASS CONSISTING OF 1/4" CLEAR HEAT STRENGTHENED GLASS + .090" SOLUTIA SAFLEX PVB INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.

**DESIGN PRESSURE:
+70.0 PSF / -70.0 PSF
(NOT TESTED FOR WATER
RESISTANCE, SEE NOTE 4)**



OVERHANG DETAIL
SEE NOTE 4



GLAZING DETAIL

Approved as complying with the
Florida Building Code
Date: 06/02/2011
NOA# 10-1213-05
Miami Dade Product Control
By: *[Signature]*

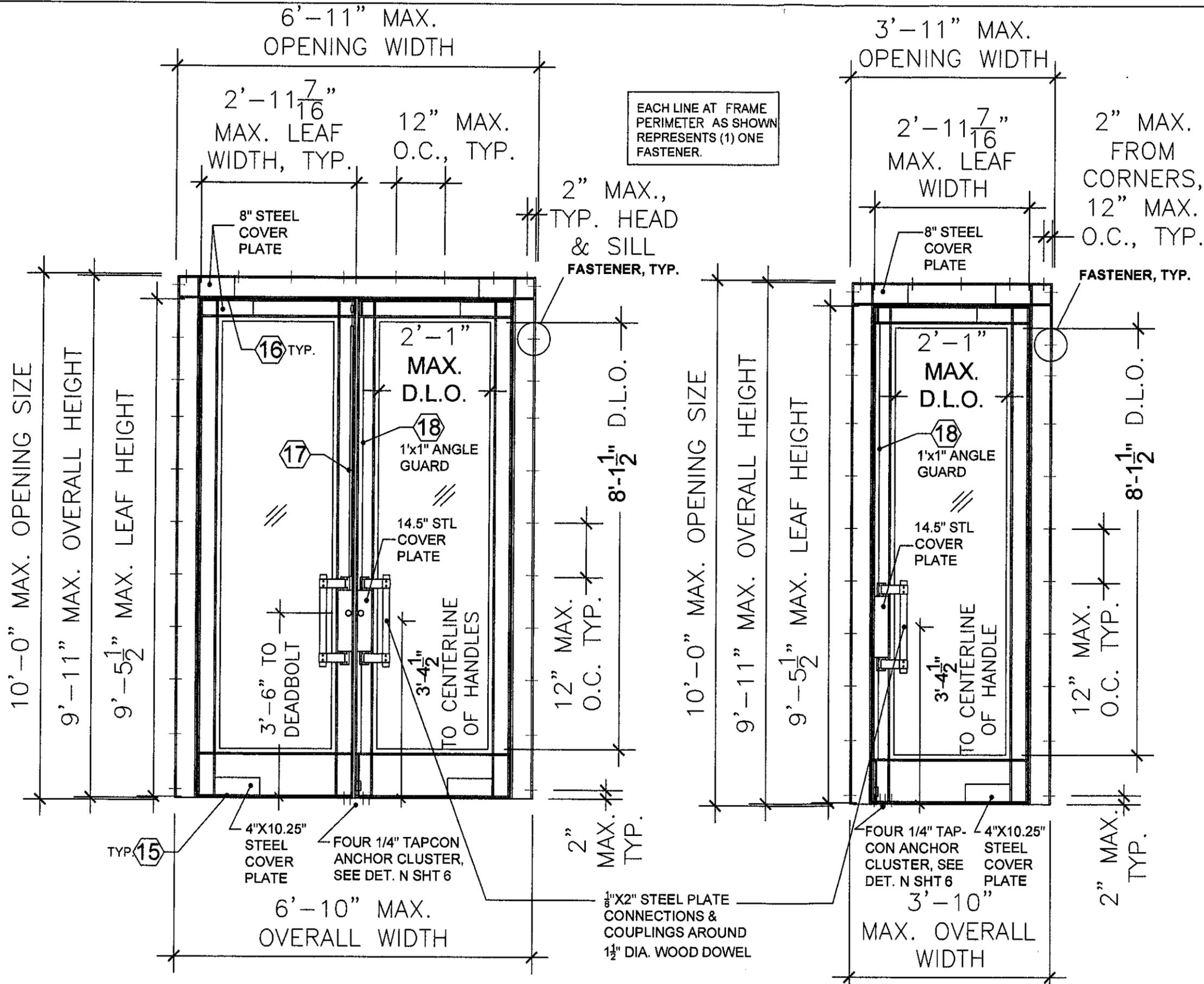
[Signature]
SCOTT WOLTERS
FL PE # 62354

WOLTERS ENGINEERING, INC.
(COA # 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
MAY 16 2011

REV.	DATE	DESCRIPTION	BY	LAT
0	10/21/2010	ORIGINAL RELEASE		

**Steel Storefront I-Beam System
Large Missile Impact Resistant**

INNOVATIVE METAL SOLUTIONS
(866) 987-2856
CELL (501) 681-1635
PFLUGERVILLE, TX 78660 FAX (866) 373-4587



EACH LINE AT FRAME PERIMETER AS SHOWN REPRESENTS (1) ONE FASTENER.

- QUALIFIED HARDWARE TYPES:
1. RIXSON H28 HEAVY DUTY FLOOR CLOSER AT SILL, WET SET IN CONCRETE
 2. RIXSON H345 TOP PIVOT AT HEAD
 3. (INACTIVE LEAF) ADAMS RITE 4085 HEADER BOLT WITH 2-POINT LOCKING SYSTEM
 4. (ACTIVE LEAF) ADAMS RITE 4015/4016/150S 3-POINT LOCKING SYSTEM INCLUDING HEADER AND THRESHOLD BOLTS AND DEADBOLT, WITH 4 1/4" TAPCON ANCHORS (ITEM #27) THROUGH THRESHOLD PLATE AROUND THRESHOLD BOLT, SEE DETAIL N SHEET 6
 5. C.R. LAURENCE AMR208 DUSTPROOF KEEPER
 6. BEST CYL MORTISE CYLINDER WITH THUMB TURN
 7. I.M.S. CUSTOM DOOR PULLS, 1/8" X 2" STEEL PLATE WITH 1-1/2" WOOD DOWEL, 21" LONG

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Steel Storefront I-Beam System
Large Missile Impact Resistant

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 Date 06/02/2011
 NOA# 10-1213.05
 Miami Dade Product Control
 By *[Signature]*

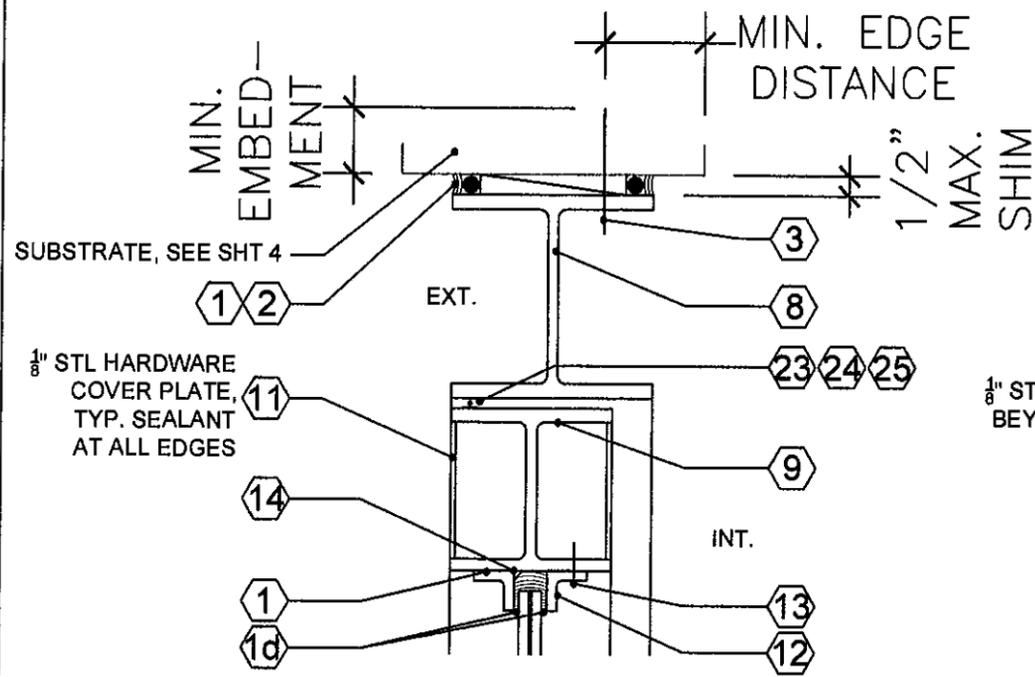
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 SCOTT WOLTERS
 FL PE # 62354
 WOLTERS ENGINEERING, INC.
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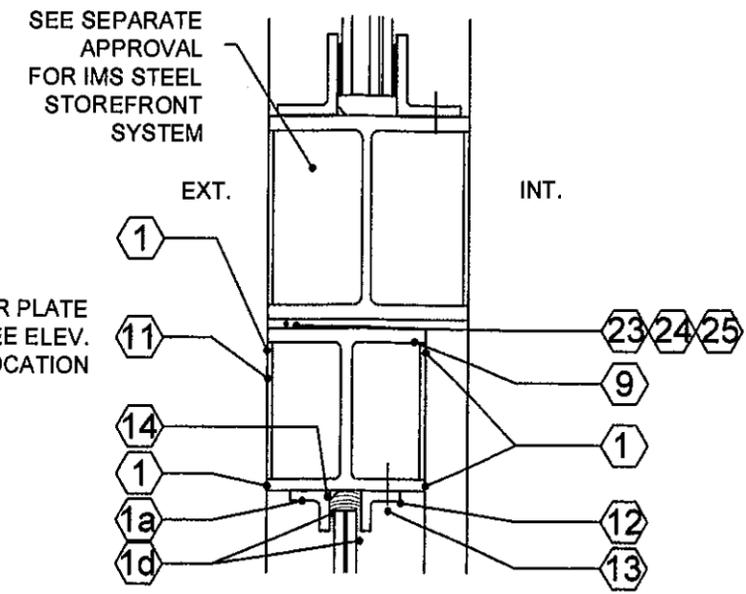
DRAWING # H557-0804-10-D
 SCALE: NTS
 SHEET 2 of 7

TYPICAL MAX. SIZE AND ANCHORAGE ELEVATIONS (EXTERIOR VIEW)

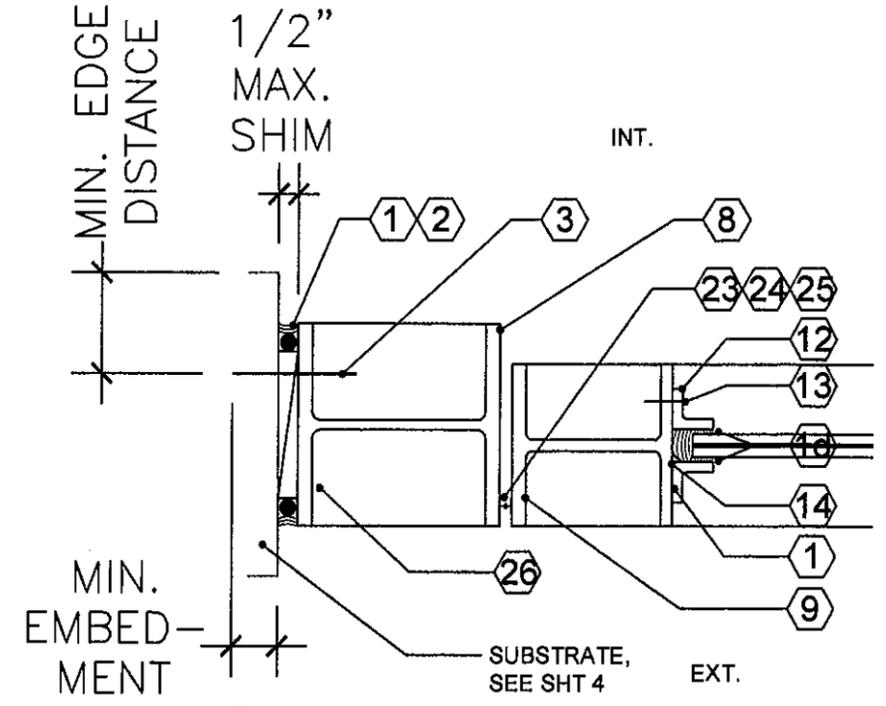
MAY 16 2011



A DOOR HEAD SECTION DETAIL



B STOREFRONT DOOR FRAME HEAD SECTION DETAIL

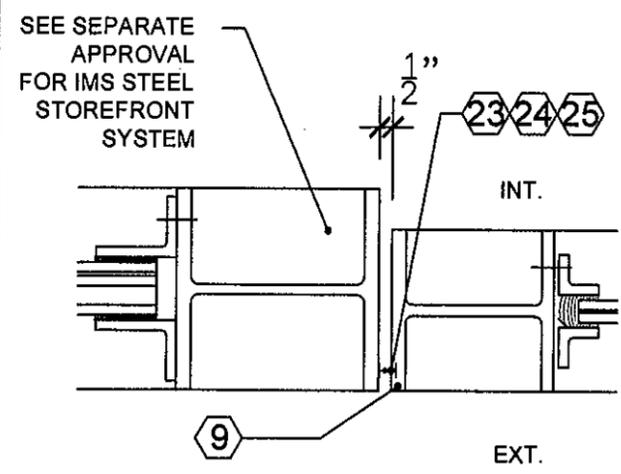


C DOOR JAMB SECTION DETAIL

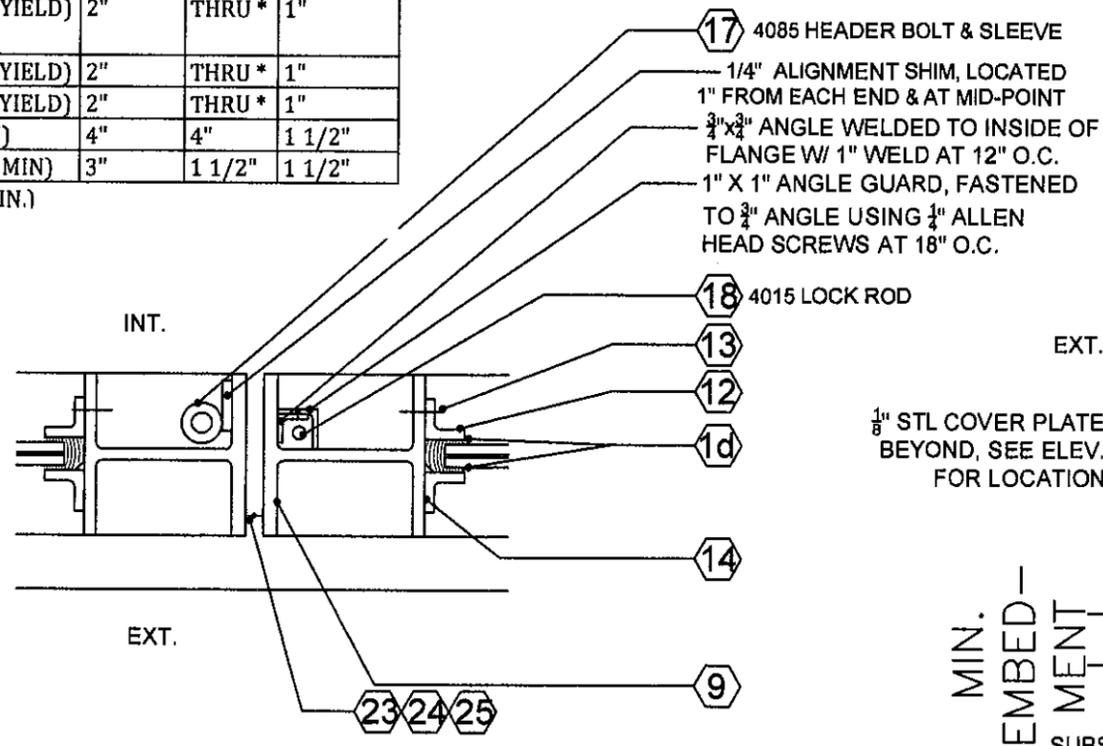
TABLE 1. QUALIFIED INSTALLATION ANCHOR INFORMATION

ID	ANCHOR	SUBSTRATE	MIN. SPACING	MIN. EMBED.	MIN EDGE DISTANCE
A	3/8" RED HEAD TRU-BOLT WEDGE	CONCRETE (3.2 KSI MIN)	6"	3"	3 1/8"
B	3/8" RED HEAD LDT	CONCRETE (3.2 KSI MIN)	4"	3"	3"
C	3/8" BOLT, WASHERS, NUTS (GRADE 5 MIN.) WITH EXPANSION SLEEVE, SEE DETAIL P SHT 5	STEEL (36 KSI MIN YIELD)	2"	THRU *	1"
D	10 MM LINDAPTER HB HOLLO-BOLT	STEEL (36 KSI MIN YIELD)	2"	THRU *	1"
E	10 MM LINDAPTER LB2 LINDIBOLT 2	STEEL (36 KSI MIN YIELD)	2"	THRU *	1"
F	3/8" LAG SCREW (GRADE 2 MIN.)	WOOD (G=0.42 MIN)	4"	4"	1 1/2"
G	1/4" ITW TAPCON (THRESHOLD ONLY)	CONCRETE (3.2 KSI MIN)	3"	1 1/2"	1 1/2"

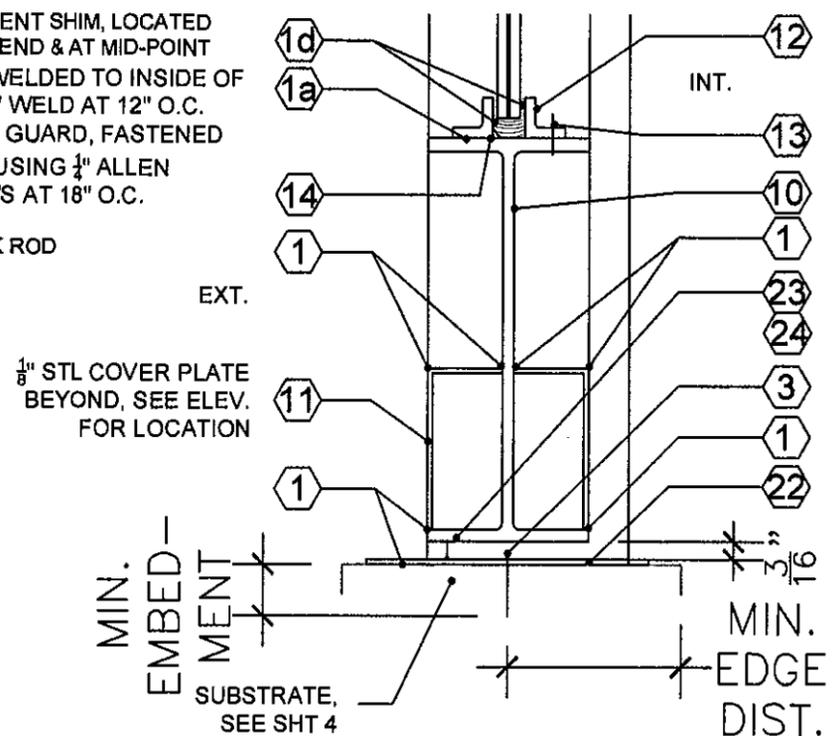
* FASTENER SHALL FULLY PENETRATE THROUGH WALL (1/8" MIN.) OF STEEL SUBSTRATE, DESIGNED BY OTHERS.



D STOREFRONT DOOR FRAME JAMB DETAIL



E DOOR STILES SECTION DETAIL



F DOOR SILL SECTION DETAIL

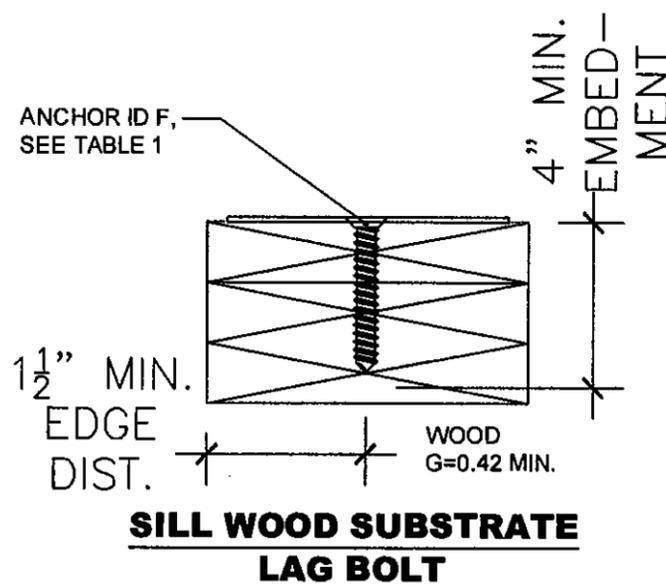
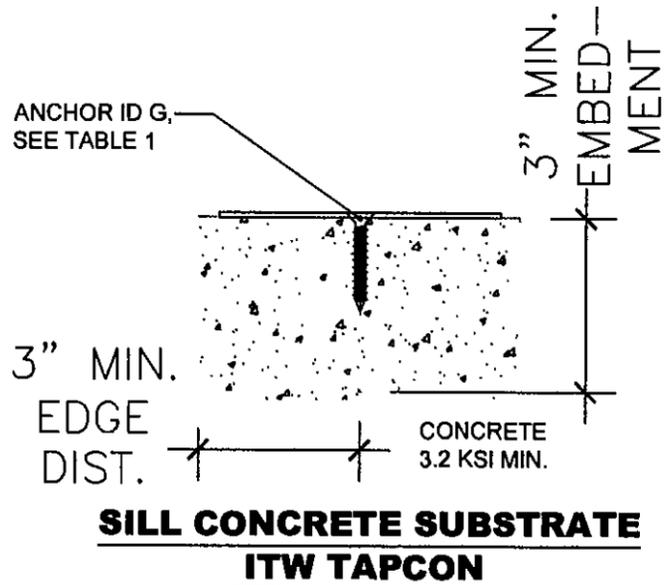
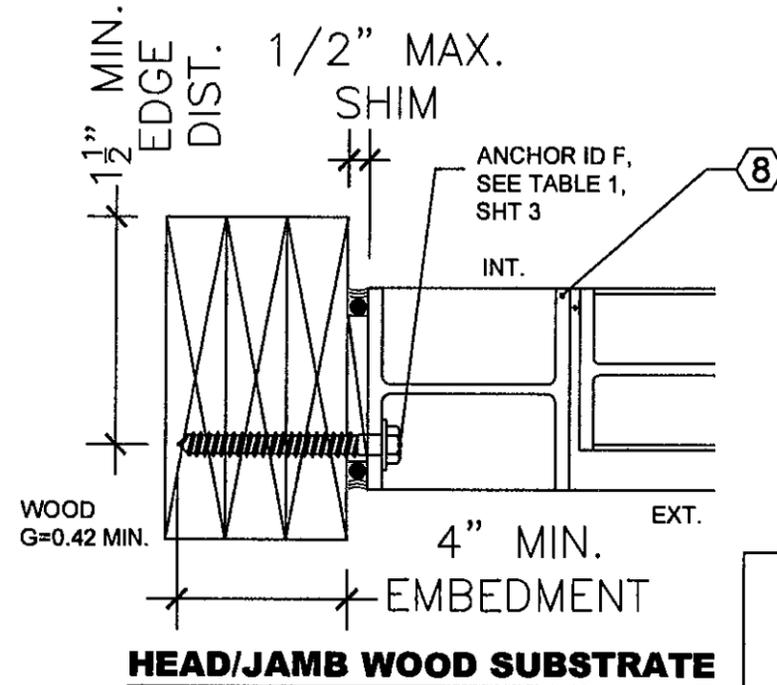
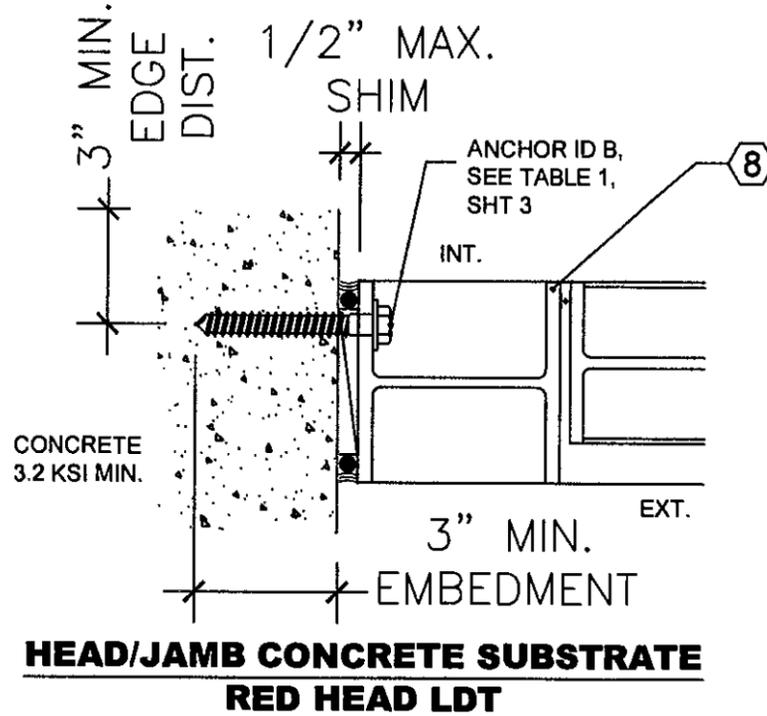
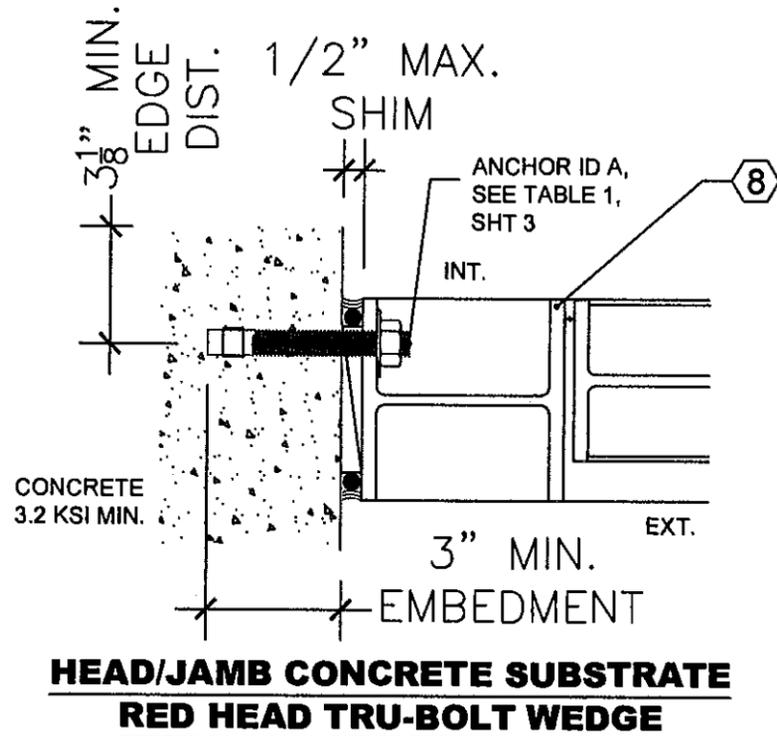
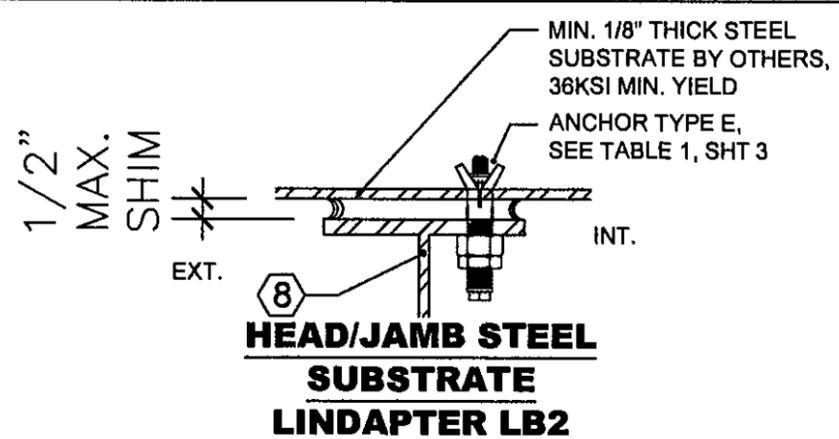
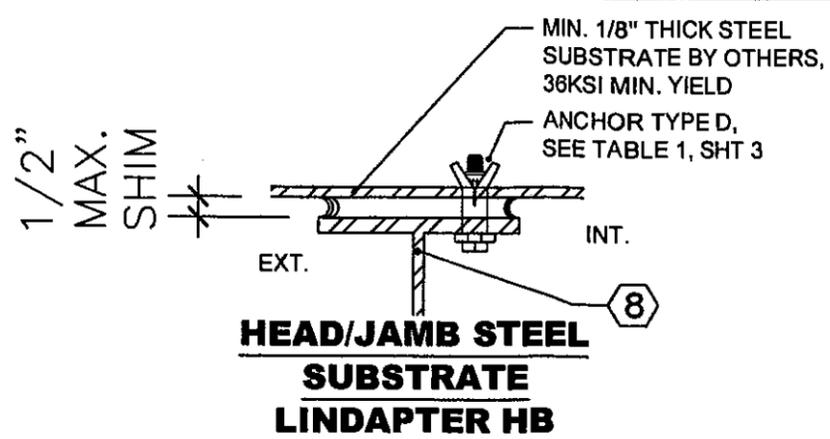
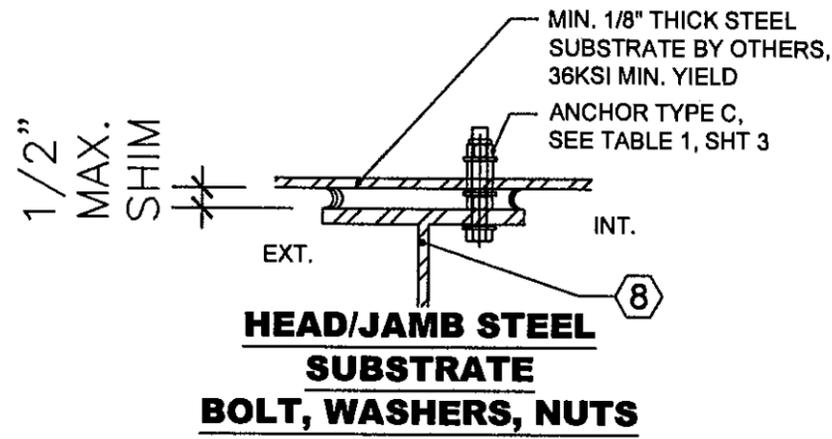
Approved as complying with the Florida Building Code
 Date 06/02/2011
 NOA# 10-1213-06
 Miami Dade Product Control
 By *[Signature]*

[Signature]
 SCOTT WOLTERS
 FL PE # 62354
 WOLTERS ENGINEERING, INC.
 (COA # 27194)
 1271 GRANT STREET
 HOLLYWOOD, FL 33019
 MAY 16 2011

REV.	DATE	DESCRIPTION
0	10/21/2010	ORIGINAL RELEASE

Steel Storefront I-Beam System
 Large Missile Impact Resistant

INNOVATIVE METAL SOLUTIONS
 900 E. PECAN ST.
 SUITE 300 - 306
 PFLUGERVILLE, TX 78660
 (866) 987 - 2856
 CELL (501) 681 - 1635
 FAX (866) 373 - 4587



Approved as complying with the Florida Building Code
Date 06/02/2011
NOA# 10-1213.06
Miami Dade Product Control
By *[Signature]*

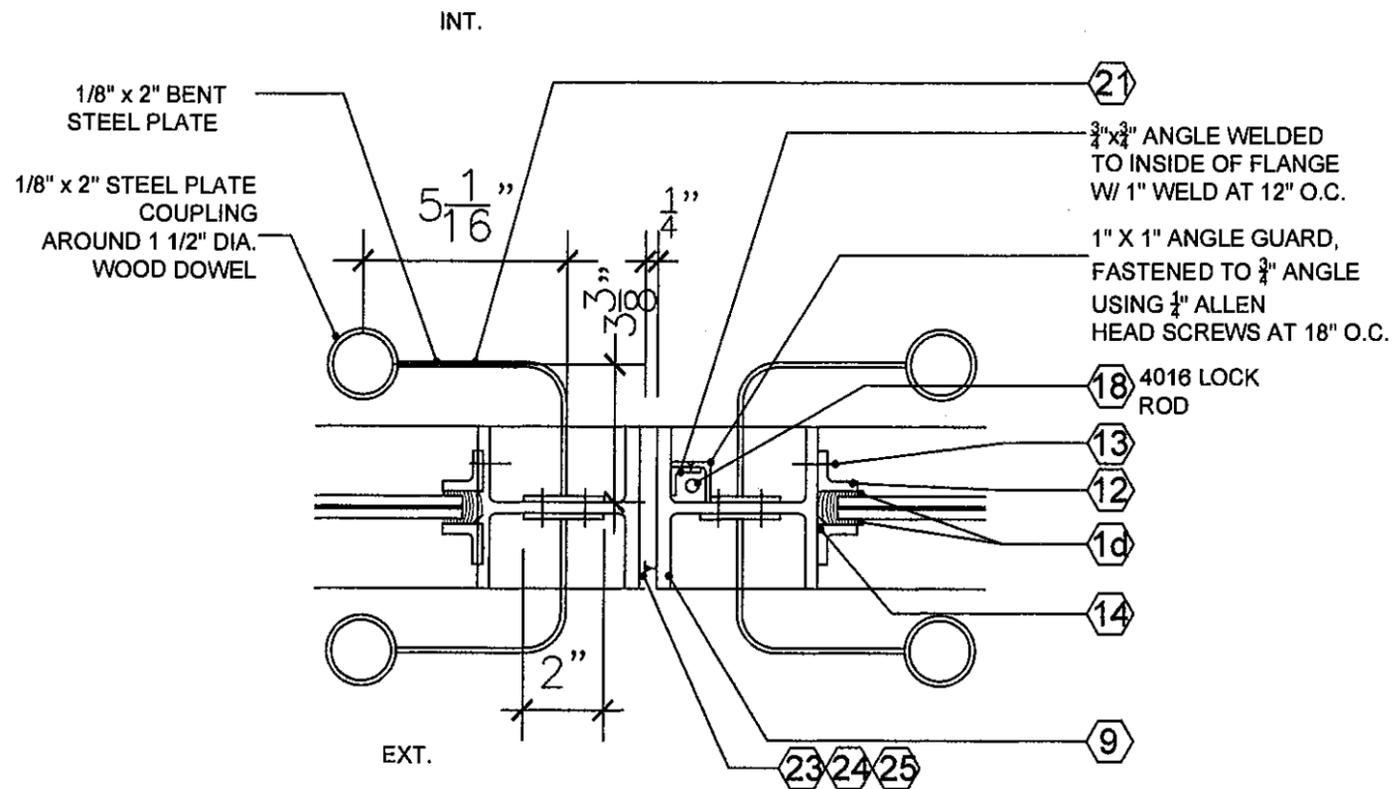
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SCOTT, WOLTERS
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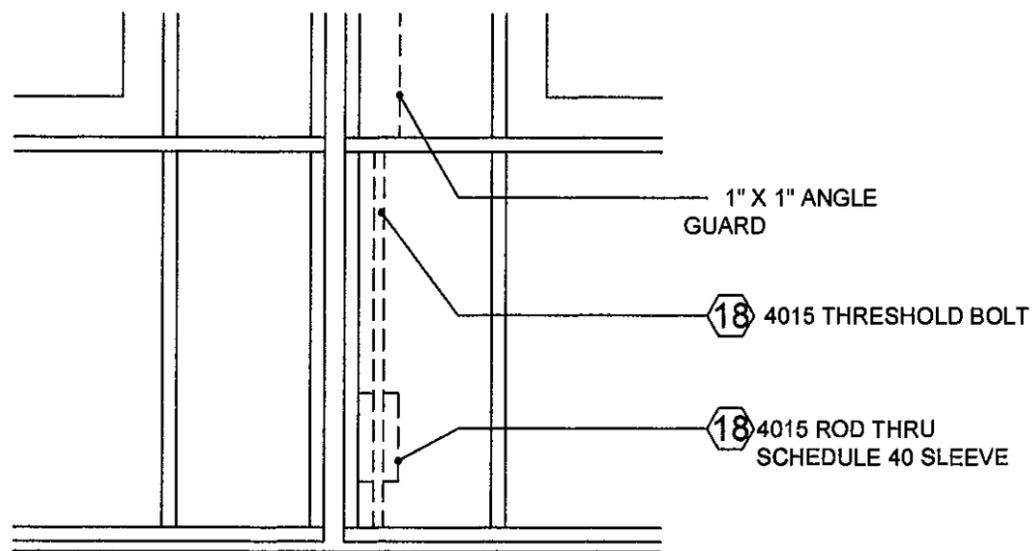
Steel Storefront I-Beam System
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SUITE 300 - 306 CELL (501) 681 - 1635
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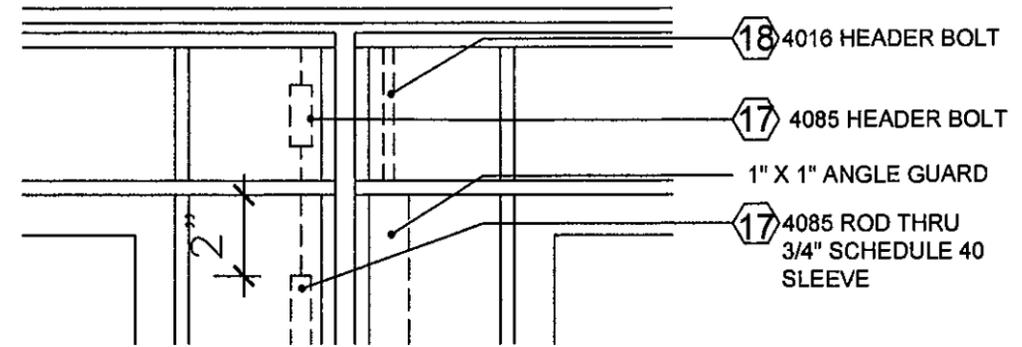
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SCALE: NTS
SHEET 4 of 7



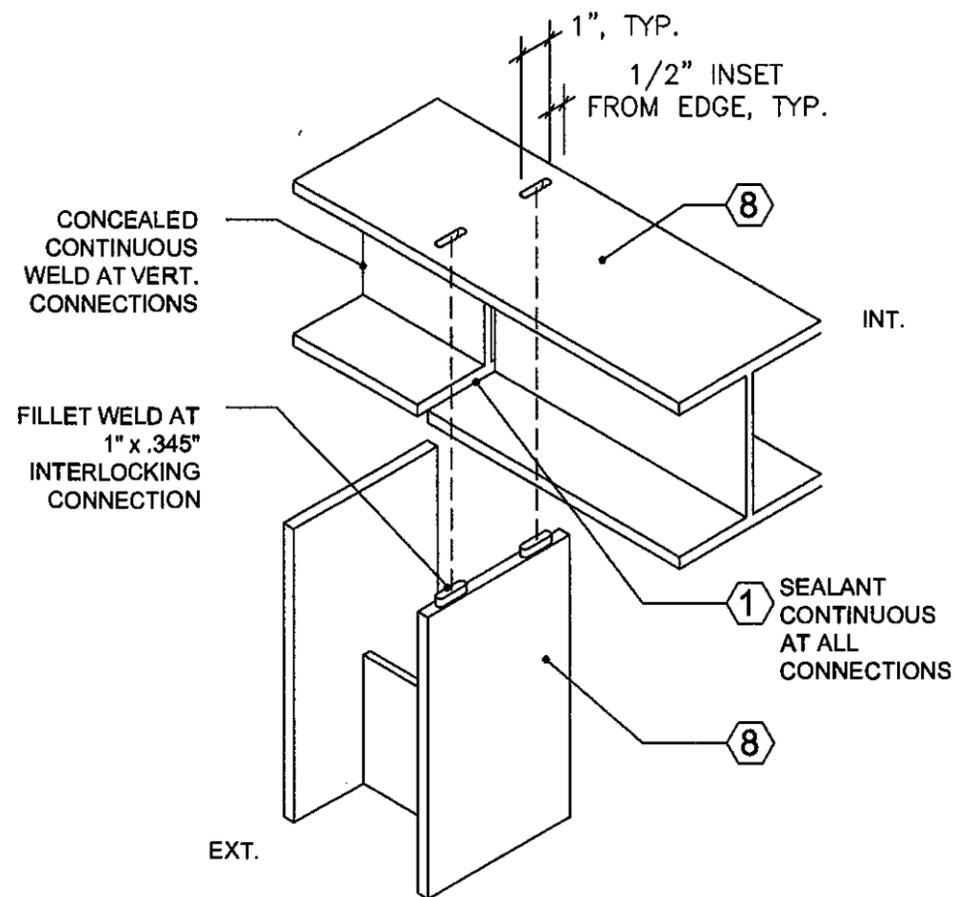
G HANDLES SECTION DETAIL



J HARDWARE ELEVATION DETAIL AT BOTTOM RAILS



H HARDWARE ELEVATION DETAIL AT TOP RAILS



K TYP. FRAME CORNER CONNECTION

Approved as complying with the Florida Building Code
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 NOA# 10-1213.05
 Miami Dade Product Control
 By *[Signature]*

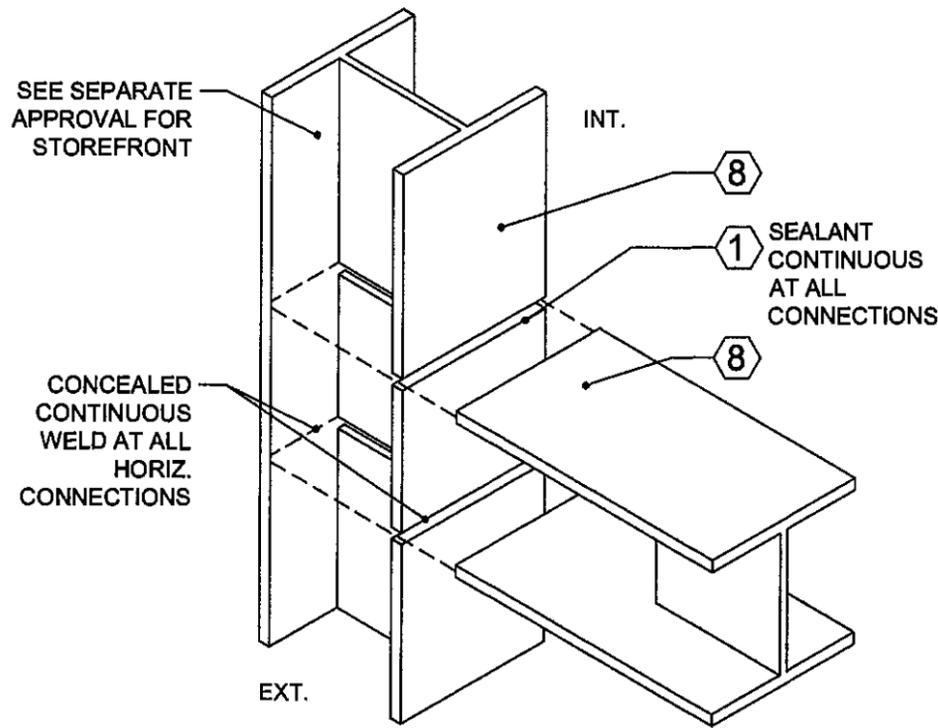
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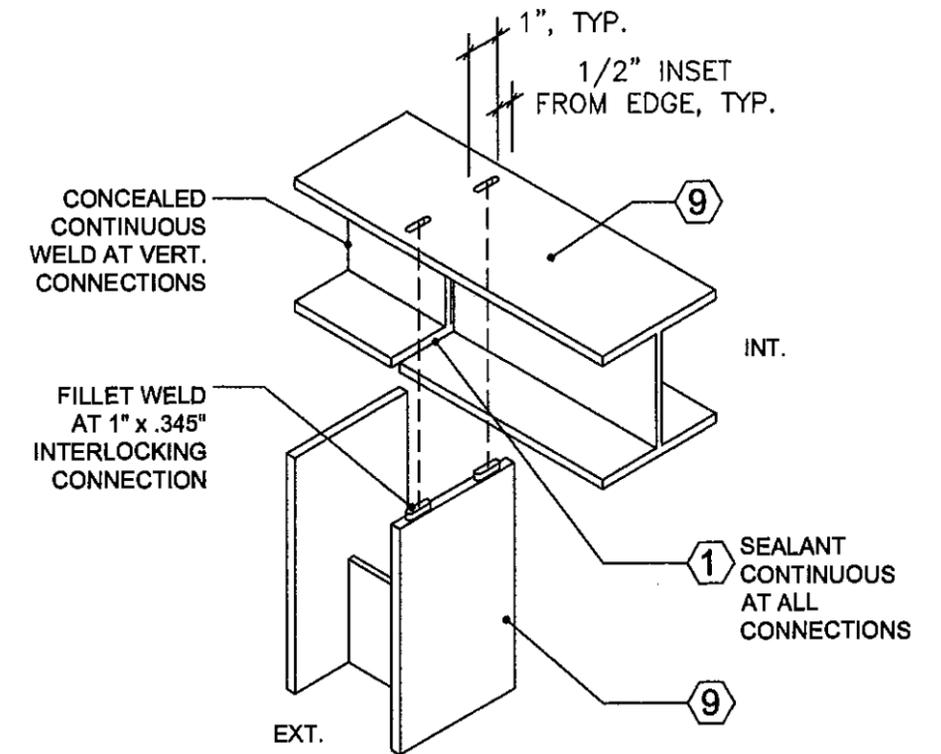
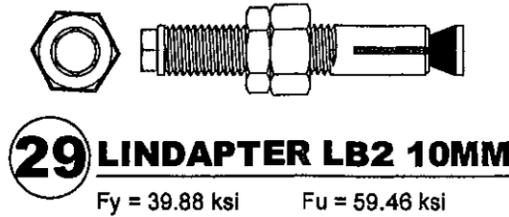
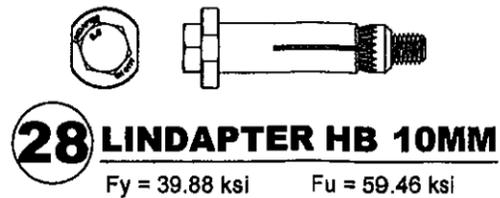
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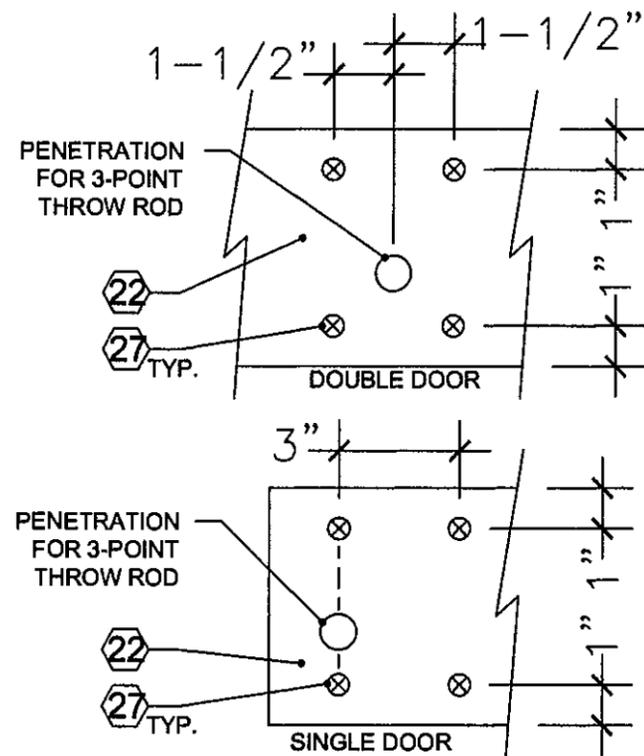
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 SHEET 5 of 7



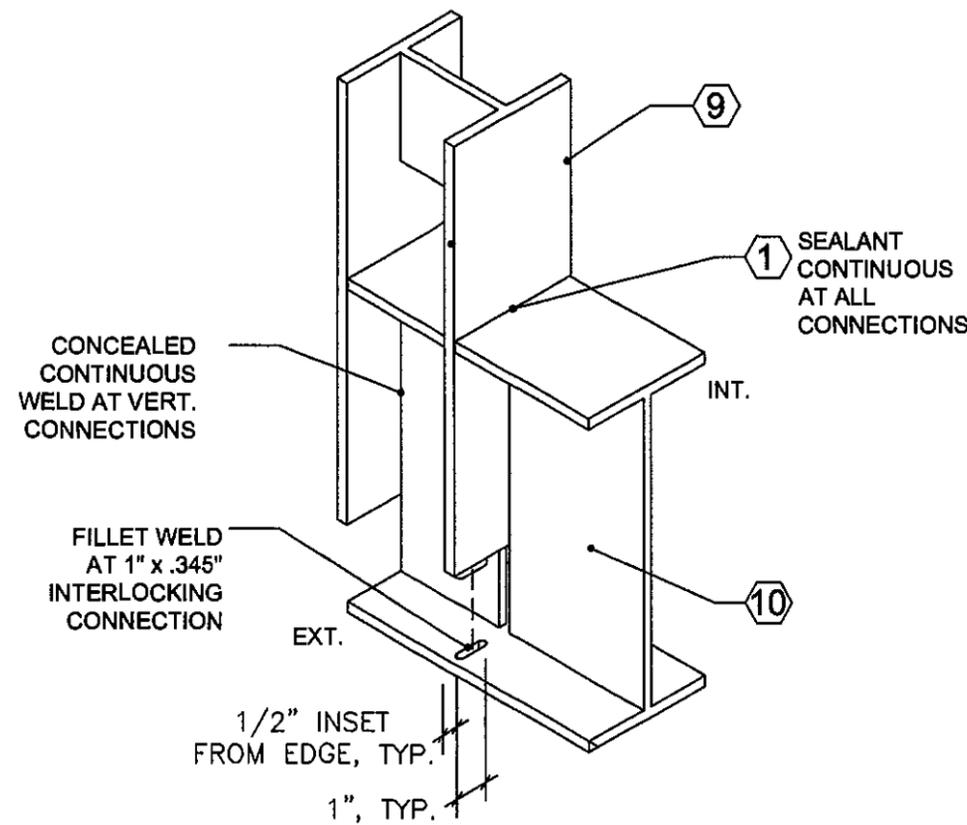
L **TYP. STOREFRONT DOOR FRAME HEAD CONNECTION**



M **TYP. DOOR PANEL TOP CORNER CONNECTION**



N **ANCHOR CLUSTERS THRU 1/8\"/>**



O **TYP. DOOR PANEL BOTTOM CORNER CONNECTION**

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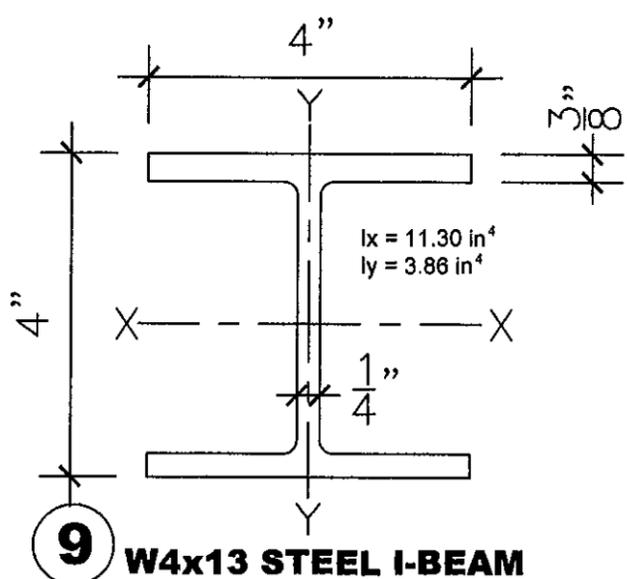
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Large Missile Impact Resistant

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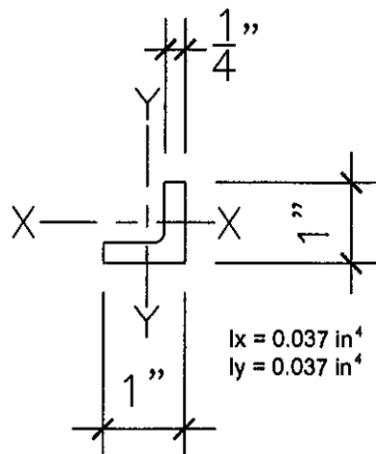
DRAWING # H557-0804-10-D
 SCALE: NTS
 SHEET 6 of 7

BILL OF MATERIALS

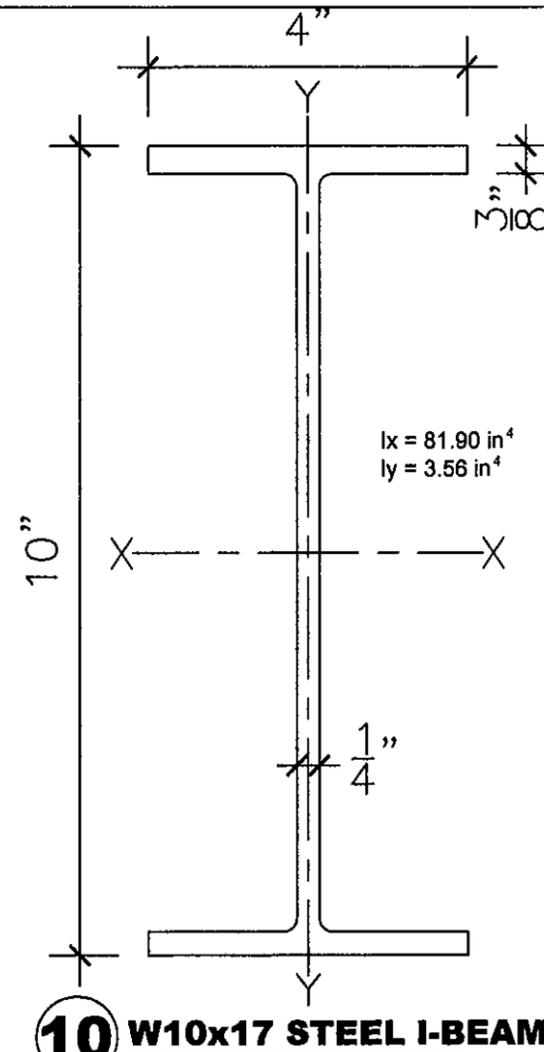
ITEM	PART NO.	DESCRIPTION	MATERIAL
1, 1d	SSG	TREMCO SSG PERIMETER AND GLASS TO FRAME AND STRUCTURAL SEALANT	SILICONE
1b	995	DOW CORNING 995 STRUCTURAL SEALANT	SILICONE
2	BOCBR58	5/8" DIA OPEN CELL BACKER ROD	FOAM
3	ANCHOR	APPROVED INSTALLATION FASTENER, SEE TABLE 1, SHEET 3	
4		C.R. LAURENCE CO., INC. .040"X1/4"X2" PLASTIC SETTING BLOCK PART PSB040, DUROMETER 80+/-5	PLASTIC
5		NOT USED	
6	FASTENER	1/2" x 1 1/4" THRU BOLT	STEEL GRADE 5
7	SHIM	1/4" THICK STEEL SHIM PLATE	STEEL ASTM A36
8	W5x16	WIDE FLANGE STRUCTURAL BEAM	STEEL ASTM A992
9	W4x13	WIDE FLANGE STRUCTURAL BEAM	STEEL ASTM A992
10	W10x17	WIDE FLANGE STRUCTURAL BEAM	STEEL ASTM A992
11	STP	1/8" PLATE (WIDTH AND LENGTH VARIES)	STEEL ASTM A36
12	GS1	1" x 1" x 1/4" ANGLE GLAZING STOP	STEEL ASTM A36
12a		NOT USED	
13	FASTNER	#10-32 x 1" ALLEN HEAD SCREW @ 6" FROM CORNER AND 12" O.C.	STEEL GRADE 8
14	WELD	3/16" FILLET WELD- 1 1/4" EVERY 12" O.C.	
15	H28	RIXSON HEAVY DUTY FLOOR CLOSER	VARIES
16	H340	RIXSON TOP PIVOT HARDWARE	STEEL
17	4085	ADAMS RITE HEADER BOLT FOR 2-POINT LOCKING SYSTEM	STEEL
18	4015, 4016 & 150S	ASAMS RITE 3-POINT LOCKING SYSTEM INCL. THRESHOLD & HEADER BOLTS, DEADBOLT	STEEL
19	AMR208	CRL DUSTPROOF KEEPER	STEEL
20	CYL	BEST MORTISE CYLINDER WITH THUMBTURN	STEEL
21	DP-21	IMS 1/8" THICK CUSTOM DOOR PUSH/PULL	STEEL
22	THRESHOLD	1/8" X 7" STEEL PLATE THRESHOLD	STEEL
23	SDLB	CRL BULB SEAL	VINYL
24	CRL421612	CRL 2-WAY TAPE	
25	SDLB	CRL SPLIT BULB SEAL	VINYL
26	WELD	3/16" FILLET WELD - CONTINUOUS AT BOTTOM	
27	TAPCON	1/4" x 2" ITW FLATHEAD TAPCON	STEEL
28		10 MM LINDAPTER HB HOLLO-BOLT	STEEL EN10025 S275
29		10 MM LINDAPTER LB2 LINDIBOLT 2	STEEL EN10025 S275



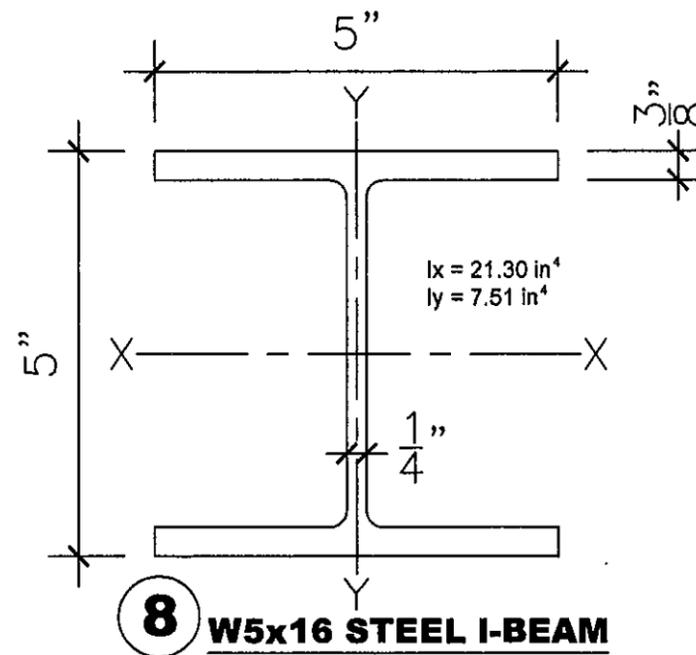
9 W4x13 STEEL I-BEAM



12 GLAZING STOP



10 W10x17 STEEL I-BEAM



8 W5x16 STEEL I-BEAM

Approved as complying with the Florida Building Code
 Date 06/02/2011
 NOA# 10-1213.05
 Miami Dade Product Control
 By *[Signature]*

[Signature]
 SCOTT WOLTERS
 FL PE # 62354
 WOLTERS ENGINEERING, INC.
 (COA # 27194)
 1271 GRANT STREET
 HOLLYWOOD, FL 33019
 MAY 16 2011

REV.	DATE	DESCRIPTION
0	10/21/2010	ORIGINAL RELEASE

Steel Storefront I-Beam System
Large Missile Impact Resistant

INNOVATIVE METAL SOLUTIONS
 900 E. PECAN ST.
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