



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
www.miamidade.gov/buildingcode

**BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION
 NOTICE OF ACCEPTANCE (NOA)**

**Jeld – Wen, Inc. (FL)
 355 Center Court
 Venice, FL 34285**

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 "Builders 4500" Aluminum Sliding Glass Door - N.I.

APPROVAL DOCUMENT: Drawing No. 07-JWN-0001, titled "Series Builders Aluminum 4500 Sliding Patio Door Non-Impact Resistant", sheets 1 through 6 of 6, dated 09/19/07 with the latest revision dated 12/18/07, prepared by Engineering Express, dated 01/02/08, signed and sealed by Frank L. Bennardo, 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 Division.

MISSILE IMPACT RATING: None

LIMITATION: Miami-Dade County approved shutters are required.

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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 07-1015.03
 Expiration Date: February 21, 2013
 Approval Date: February 21, 2008
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **07-JWN-0001**, titled "Series Builders Aluminum 4500 Sliding Patio Door Non-Impact Resistant", sheets 1 through 6 of 6, dated 09/19/07 with the latest revision, dated 12/18/07, prepared by Engineering Express, dated 01/02/08, signed and sealed by Frank L. Bennardo, 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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94Along with marked-up drawings and installation diagram, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL 210-3463-1**, dated 08/10/07, signed and sealed by Gerard John Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Engineering Express, dated 10/04/07, with the latest revision dated 12/18/07, signed and sealed by Frank L. Bennardo, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

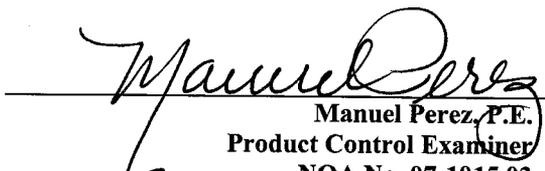
1. None

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated October 04, 2007, signed and sealed by Frank L. Bennardo, P.E.
3. Laboratory compliance letter for Test Report no. **NCTL 210-3463-1**, issued by National Certified Testing Laboratories, Inc., dated August 10, 2007, signed and sealed by Gerard John Ferrara, P.E.

G. OTHER

1. None


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-1015.03
Expiration Date: February 21, 2013
Approval Date: February 21, 2008

BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR

NON-IMPACT RESISTANT

FRANK L. BENNARDO, P.E.
PE0046549

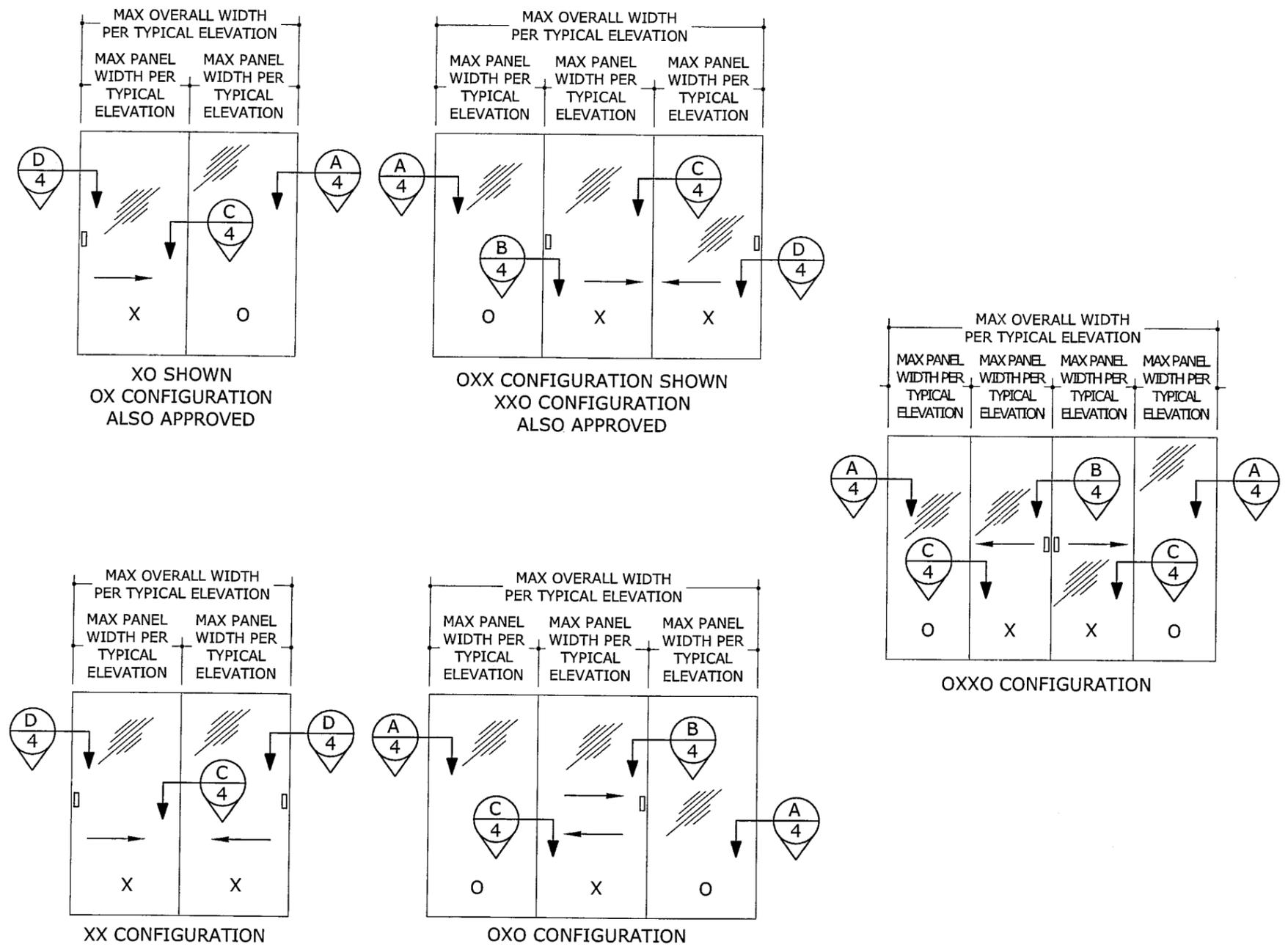
01/02/2008

LICENSED AFFILIATE OF
ENGINEERING EXPRESS®
160 SW 12th AVENUE, # 106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #9885

**ALLOWABLE
DESIGN PRESSURES**
**+50 PSF
-50 PSF**

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER TAS 202 & ASTM E1300-02 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
7. UNITS GLAZED WITH 3/16" TEMPERED GLASS ARE NOT IMPACT RESISTANT AND REQUIRE PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS WHERE APPLICABLE.
8. INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS. INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENT FOR WIND BORNE DEBRIS PROTECTION.
9. EXTERIOR SEAM OF FRAME CORNERS SHALL BE SEALED WITH SILICONE.
10. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI. ALL 3/16"Ø OR 1/4"Ø POP RIVETS SHALL BE 5056-H32 ALUMINUM ALLOY OR STRONGER.
11. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.



1 ALLOWABLE CONFIGURATIONS
1 N.T.S. EXTERIOR ELEV

JELBOWEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	09/19/07
REVISE PER COMMENTS	KL	CL	12/18/07

07-JWN-0001
SCALE: - 01
PAGE DESCRIPTION:

Approved as complying with the
Florida Building Code
Date 02/21/2008
NOA# 07-1015.03
Miami Dade Product Control
Division
By Manuel Perez

F:\01 Project Files\Jeld-Wen (JWN)\2007\07-JWN-0001 Bldrs Alum 4500 SGD, NI (NOA)\07-JWN-0001_01h Bldrs Alum 4500 SGD NI Sliding Door (NOA).dwg
01/02/2008 - 4:21pm keith

01/02/2008

LICENSED AFFILIATE OF
ENGINEERING EXPRESS®
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #8885

JELD-WEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

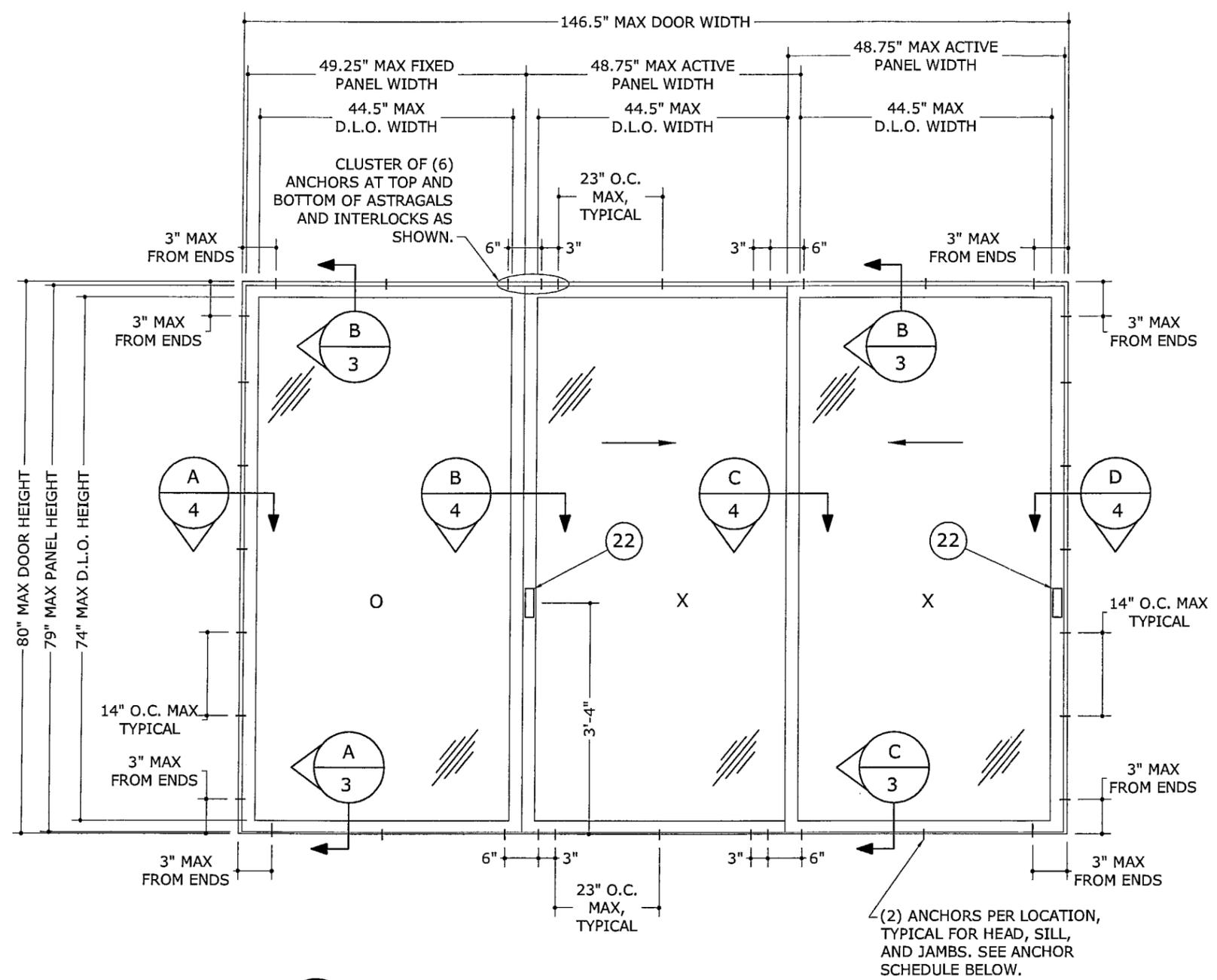
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	09/19/07
REVISE PER COMMENTS	KL	CL	12/18/07

07-JWN-0001

SCALE: 01

PAGE DESCRIPTION:

2



ANCHOR SCHEDULE:

TO HOLLOW BLOCK OR 3192 PSI MIN CONCRETE HOST STRUCTURE:

- 1/4" TAPCONS (ELCO OR ITW) THRU 1X OR 2X WOOD BUCKS OR DIRECTLY INTO MASONRY/ CONCRETE WITH 1-3/4" MIN EMBED.

TO WOOD BUCK OR HOST STRUCTURE (G=0.55 MIN WOOD):

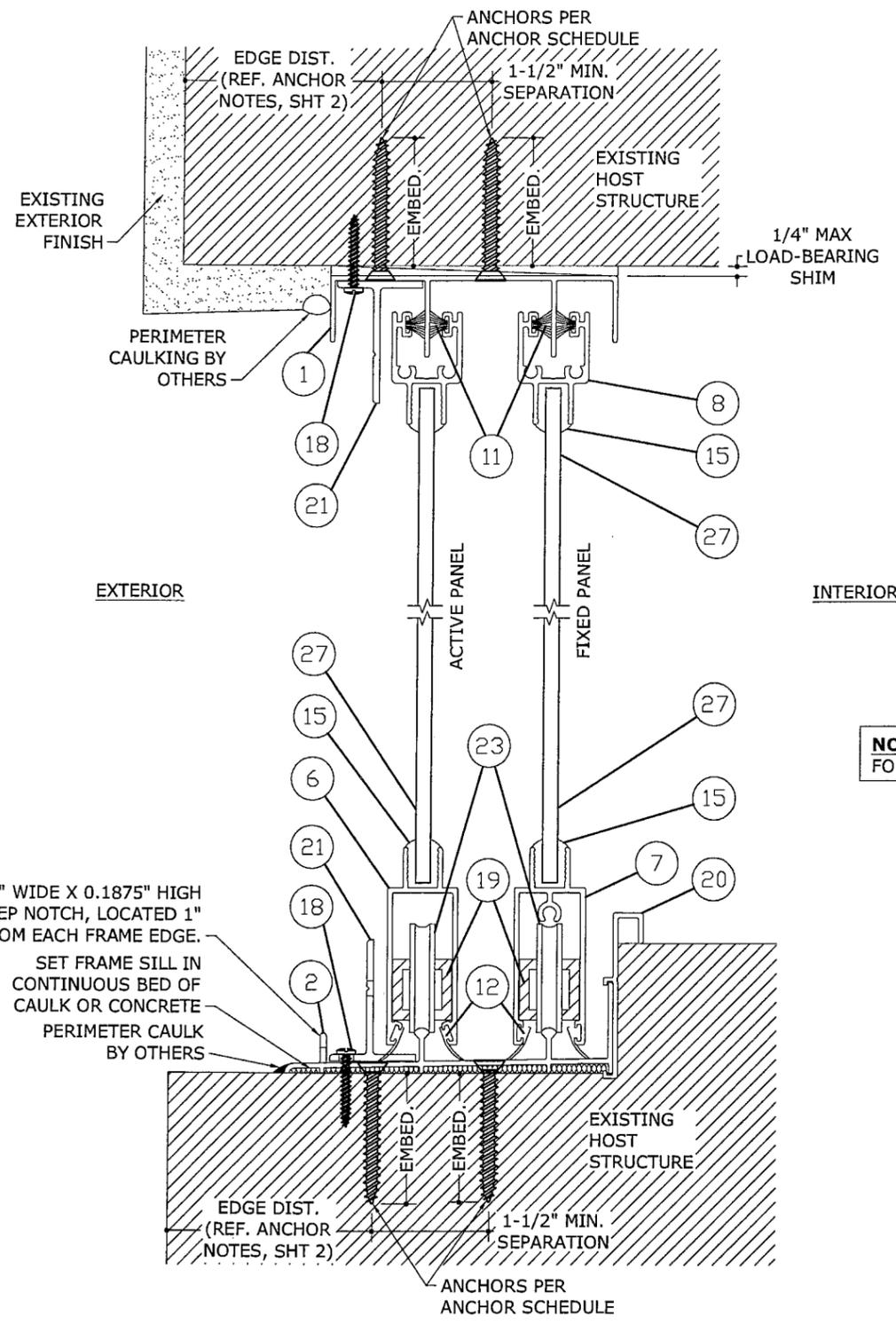
- 1/4" TAPCONS (ELCO OR ITW) WITH 1-1/2" MIN THREAD PENETRATION.
- #14 WOOD SCREWS WITH 1-1/2" MIN THREAD PENETRATION.
- 1/4"x2" LAG SCREWS WITH 1-3/8" MIN THREAD PENETRATION.

- ANCHOR NOTES:**
1. SEE TYPICAL ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
 2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
 3. TAPCONS MAY BE MANUFACTURED BY ELCO OR ITW.
 4. ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK.
 5. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
 6. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
 7. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
 8. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN.
 9. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
 11. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

1 TYPICAL ELEVATION
2 N.T.S. EXTERIOR ELEV

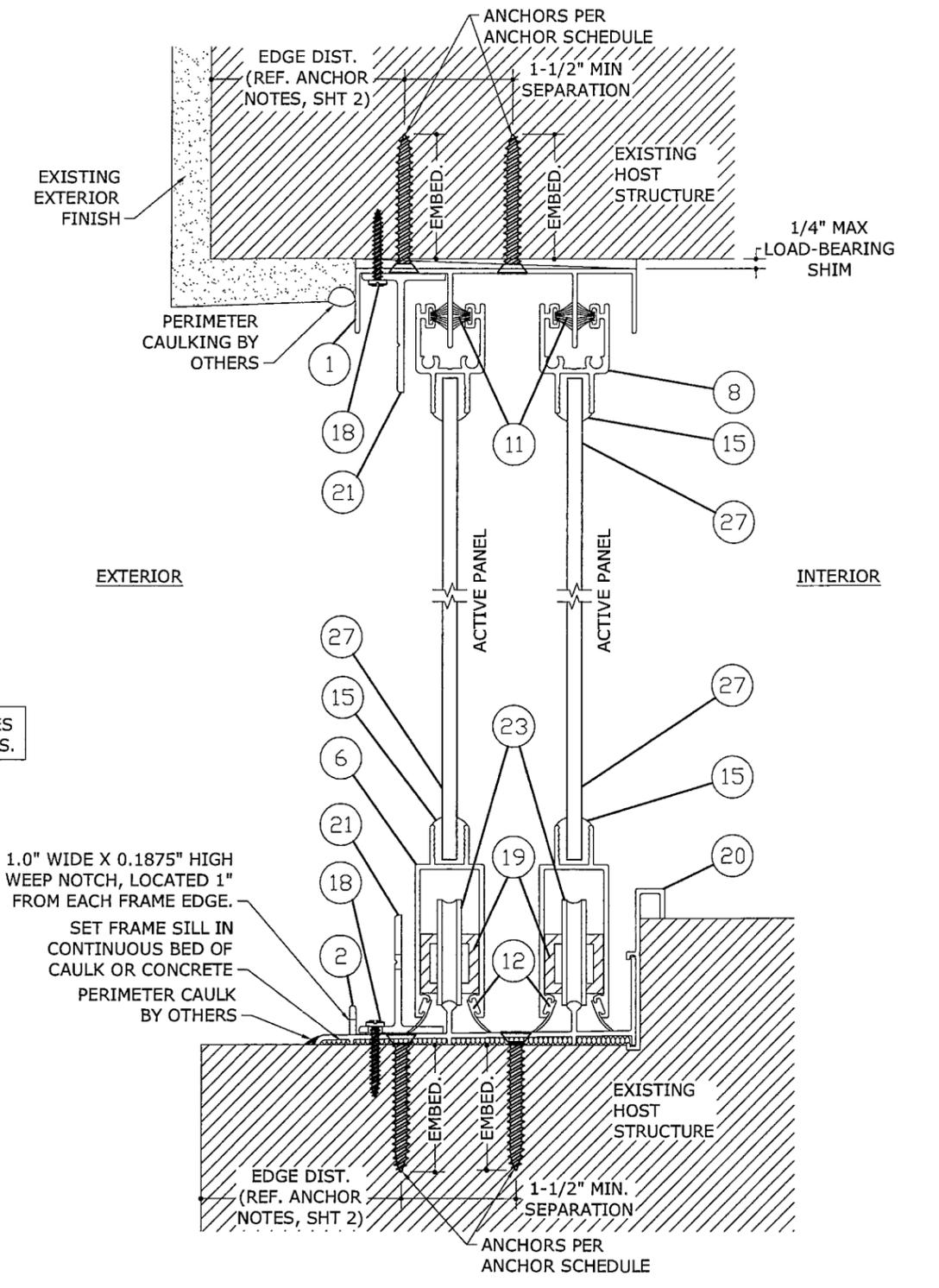
Approved as complying with the Florida Building Code
Date 02/21/2008
NOA# 07-1015.03
Miami Dade Product Control Division
By *Messiah Perry*

B
3
TYPICAL TOP RAIL
N.T.S. VERT SECTION



A
3
FIXED/ACTIVE BOTTOM RAIL
N.T.S. VERT SECTION

B
3
TYPICAL TOP RAIL
N.T.S. VERT SECTION



C
3
ACTIVE/ACTIVE BOTTOM RAIL
N.T.S. VERT SECTION

NOTE: SEE ANCHOR SCHEDULE AND ANCHOR NOTES FOR REQUIRED EDGE DISTANCES AND EMBEDMENTS.

Approved as complying with the Florida Building Code
Date 02/21/2008
NOA# 07-1015.03
Miami Dade Product Control Division
By Manuel Perez

FRANK L. BENNARDO, P.E.
PE0046549

01/02/2008

LICENSED AFFILIATE OF
ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #9885

JELD-WEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	09/19/07	KL	CL
REVISE PER COMMENTS	12/18/07	KL	CL

07-JWN-0001
SCALE: 1/8" = 1'-0"
PAGE DESCRIPTION: 01

3

F:\01 Project Files\Jeld-Wen (JWN)\2007\07-JWN-0001 Bldrs Alum 4500 SGD NI Sliding Door (NOA).dwg
01/02/2008 - 4:21pm keifhl

01/02/2008

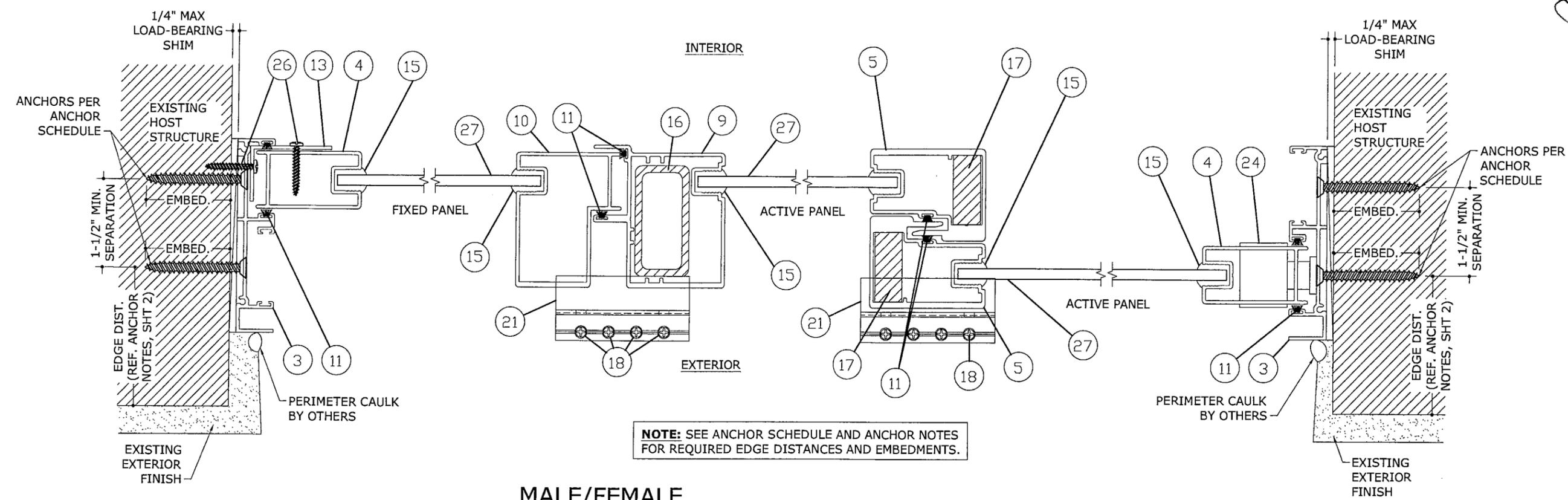
LICENSED AFFILIATE OF
ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #6885

JELD-WEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	09/19/07
REVISE PER COMMENTS	KL	CL	12/18/07

07-JWN-0001
SCALE: 01
PAGE DESCRIPTION:

Approved as complying with the
Florida Building Code
Date 02/21/2008
NOA# 07-1015.03
Miami Dade Product Control
Division
By *Manuel Diaz*



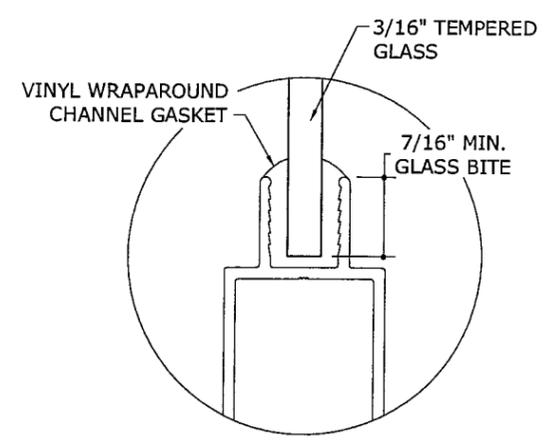
NOTE: SEE ANCHOR SCHEDULE AND ANCHOR NOTES FOR REQUIRED EDGE DISTANCES AND EMBEDMENTS.

A **FIXED PANEL JAMB**
4 N.T.S. HORIZ SECTION

B **MALE/FEMALE ASTRAGAL**
4 N.T.S. HORIZ SECTION

C **INTERLOCK**
4 N.T.S. HORIZ SECTION

D **ACTIVE PANEL JAMB**
4 N.T.S. HORIZ SECTION



E **GLAZING DETAIL**
4 N.T.S. VERT SECTION

F:\01 Project Files\Jeld-Wen (JWN)\2007\07-JWN-0001 Bldrs Alum 4500 SGD, MI (NOA)\07-JWN-0001_01h Bldrs Alum 4500 SGD NI Sliding Door (NOA).dwg
01/02/2008 - 4:21pm keithl

01/02/2008

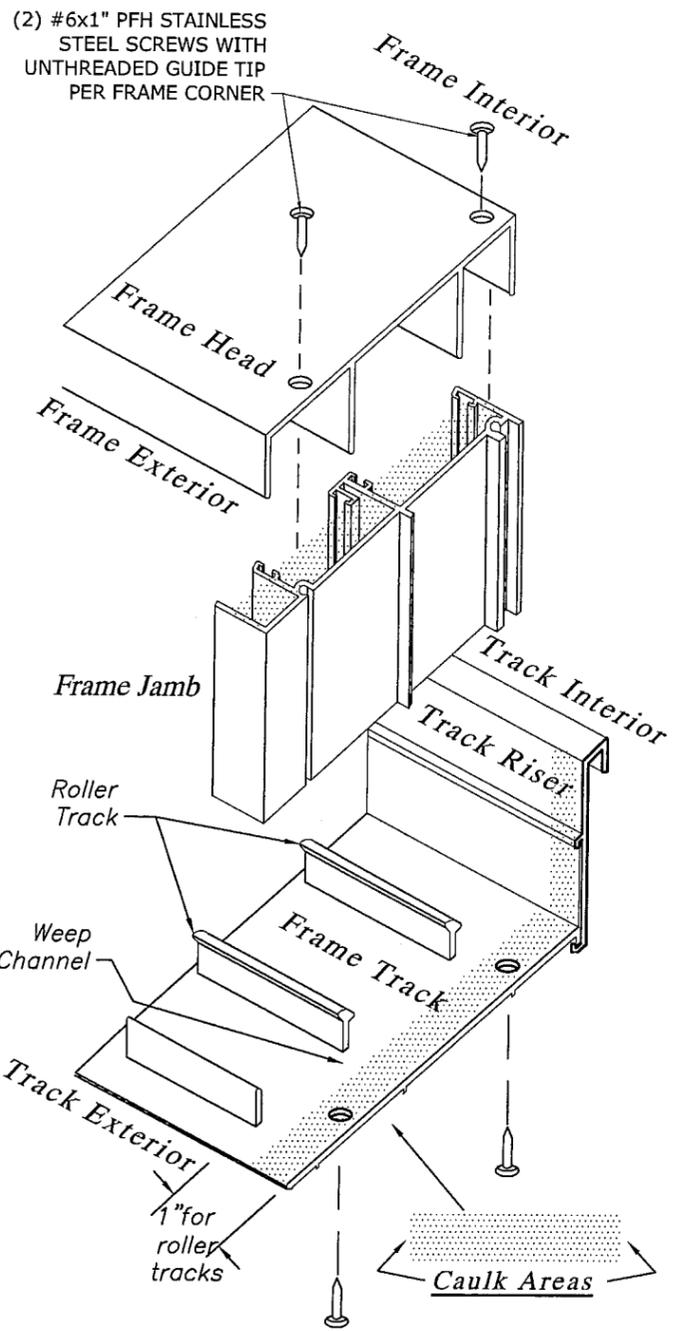
LICENSED AFFILIATE OF
ENGINEERING EXPRESS®
160 SW 12th AVENUE, # 106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #9885

JELBOWEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

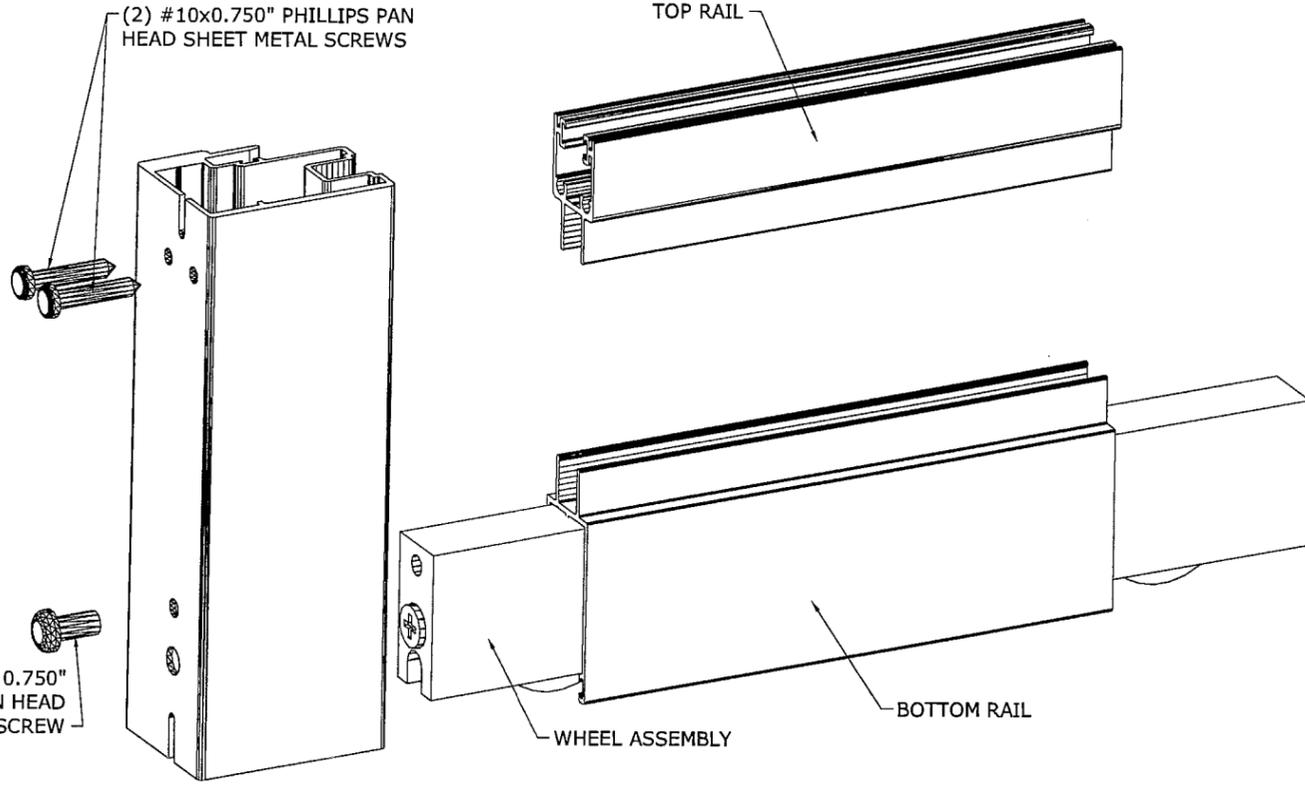
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	09/19/07
REVISE PER COMMENTS	KL	CL	12/18/07

07-JWN-0001
SCALE: 01

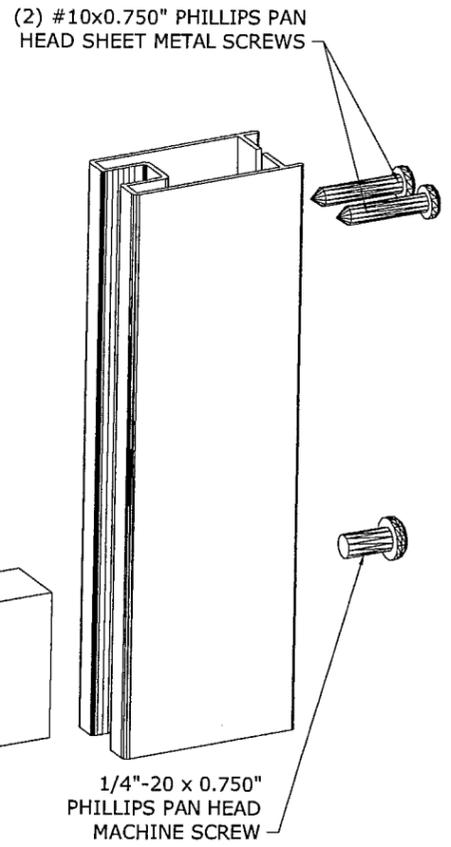
PAGE DESCRIPTION:
5



1 FRAME ASSEMBLY DETAIL
5 N.T.S. ISOMETRIC VIEW



2 PANEL ASSEMBLY DETAIL
5 N.T.S. ISOMETRIC VIEW



Approved as complying with the Florida Building Code
Date 02/21/2008
NOA# 07-1015.03
Miami Dade Product Control Division
By *Manuel Perez*

01/02/2008 - 4:21pm keithl F:\01 Project Files\Jeld-Wen (JWN)\200707-JWN-0001 Blinds Alum 4500 SGD NI Sliding Door (NOA).dwg

FRANK L. BENNARDO, P.E.
PE0046549

01/02/2008

LICENSED AFFILIATE OF
ENGINEERING EXPRESS
160 SW 12th AVENUE, # 106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT. OF AUTH. #8885

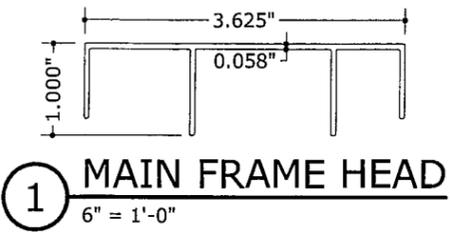
JELD-WEN
355 CENTER COURT
VENICE, FL 34285
PHONE: (941) 497 - 1984
BUILDERS ALUMINUM 4500 SLIDING PATIO DOOR
NON-IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	09/19/07
REVISE PER COMMENTS	KL	CL	12/18/07

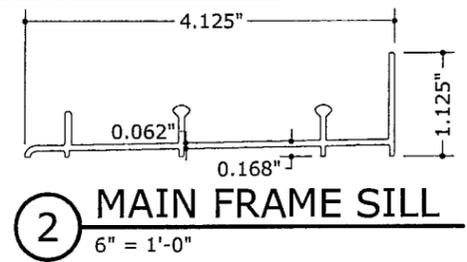
07-JWN-0001
SCALE: 1/8" = 1'-0"

PAGE DESCRIPTION:

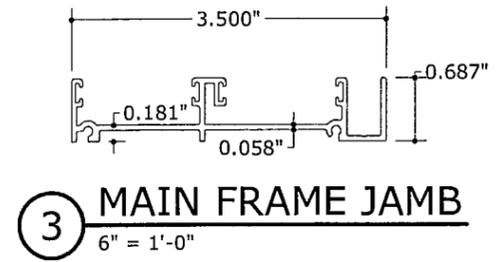
6



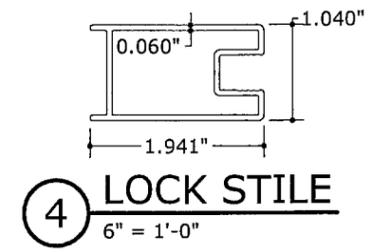
1 MAIN FRAME HEAD
6" = 1'-0"



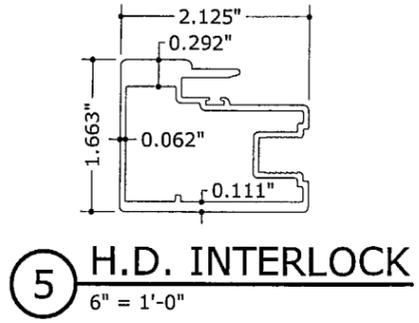
2 MAIN FRAME SILL
6" = 1'-0"



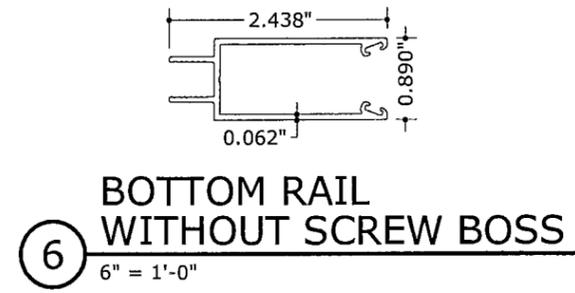
3 MAIN FRAME JAMB
6" = 1'-0"



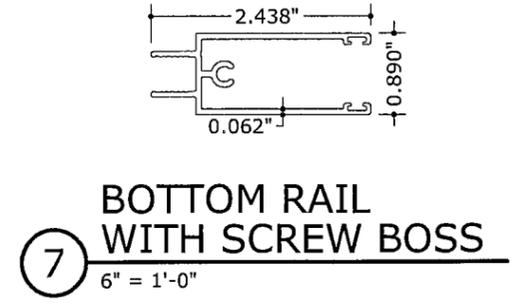
4 LOCK STILE
6" = 1'-0"



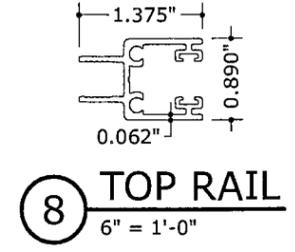
5 H.D. INTERLOCK
6" = 1'-0"



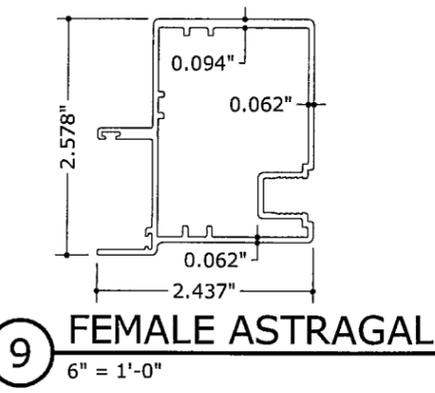
6 BOTTOM RAIL WITHOUT SCREW BOSS
6" = 1'-0"



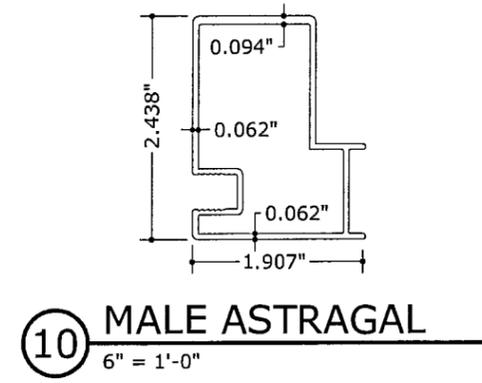
7 BOTTOM RAIL WITH SCREW BOSS
6" = 1'-0"



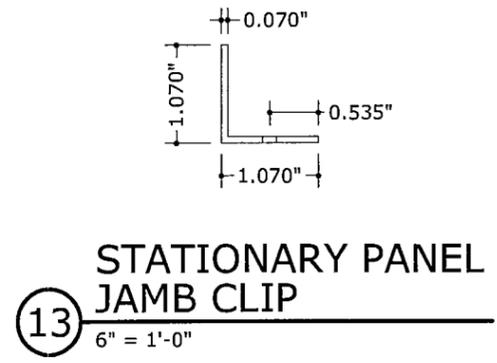
8 TOP RAIL
6" = 1'-0"



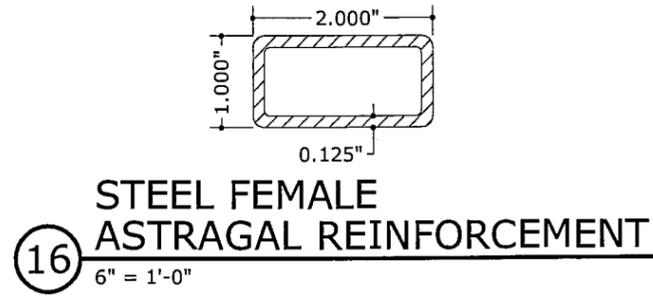
9 FEMALE ASTRAGAL
6" = 1'-0"



10 MALE ASTRAGAL
6" = 1'-0"



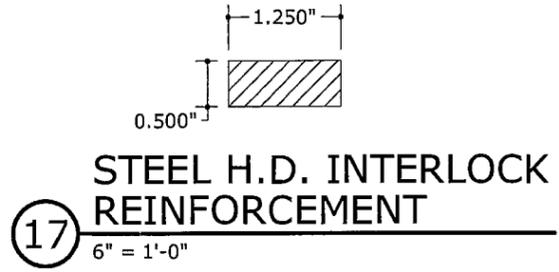
13 STATIONARY PANEL JAMB CLIP
6" = 1'-0"



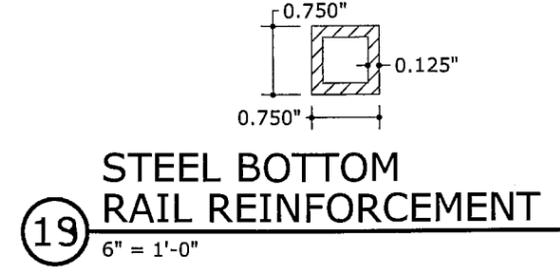
16 STEEL FEMALE ASTRAGAL REINFORCEMENT
6" = 1'-0"

MATERIALS LIST

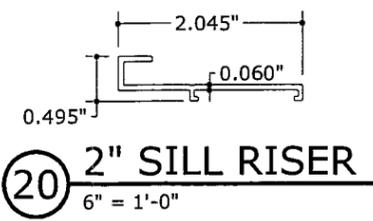
ITEM	PART #	DESCRIPTION	MATERIAL	REMARKS
1	SGD2MH	FRAME HEAD	6063-T6	
2	SGD2TEM	FRAME SILL	6063-T6	
3	SGD2MJ	FRAME JAMB	6063-T6	
4	SGDLST	LOCK STILE	6063-T6	
5	ASDINT	H.D. INTERLOCK	6063-T6	
6	SGDBRM	PANEL BOTTOM RAIL WITHOUT SCREW BOSS	6063-T6	
7	SGDBRF	PANEL BOTTOM RAIL WITH SCREW BOSS	6063-T6	
8	SGDTPR	TOP RAIL	6063-T6	
9	ASDASF	FEMALE ASTRAGAL	6063-T6	
10	ASDASM	MALE ASTRAGAL	6063-T6	
11	01257	TOP RAIL WEATHER SEAL		FIN SEAL WOOL PILE
12	01053	BOTTOM RAIL WEATHER SEAL	VINYL	
13		STATIONARY PANEL JAMB CLIP	6063-T6	
14	SCR10S	#10 X 3/4" ASSEMBLY SCREW		
15	01052	GLAZING BEAD	PVC	WRAPAROUND CHANNEL GASKET
16	00009	1" X 2" X 1/8" TUBE	STEEL	FEMALE ASTRAGAL REINFORCEMENT
17	00003	1/2" X 1-1/4" BAR	STEEL	MALE INTERLOCK REINFORCEMENT
18		#10 X 1" SELF-DRILLING SCREW		
19	00010	3/4" X 3/4" X 1/8" TUBE	STEEL	BOTTOM RAIL REINFORCEMENT
20	SGD20AM	2" SILL RISER	6063-T6	
21		HEAD AND SILL NEGATIVE PRESSURE CLIP	6063-T6	
22	SGDPPI	CLAW TYPE LOCK		DNS 1400 OR EQUAL
23	SGDWHL	OPERATING PANEL ROLLER ASSEMBLY		
24	SGDPPE	LOCK ASSEMBLY		
25	SGDFPC	1-1/2" X 1" X 1/16" ANGLE	ALUMINUM	
26		#6 X 3/4" SMS		
27	01595	3/16" TEMPERED GLASS		



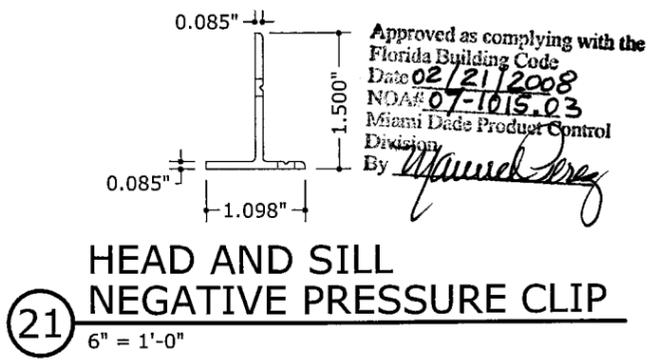
17 STEEL H.D. INTERLOCK REINFORCEMENT
6" = 1'-0"



19 STEEL BOTTOM RAIL REINFORCEMENT
6" = 1'-0"



20 2" SILL RISER
6" = 1'-0"



21 HEAD AND SILL NEGATIVE PRESSURE CLIP
6" = 1'-0"

Approved as complying with the
Florida Building Code
Date 02/21/2008
NOA 07-1615.03
Miami Dade Product Control
Division
By *Manuel Juez*