



**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)

**Horton Automatics Division of Overhead Door
4242 Baldwin Boulevard
Corpus Christi, TX 78405**

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 "2001/110 "(Sx-O) Aluminum Automatic Sliding Door w/ Breakout

APPROVAL DOCUMENT: Drawing No. **040709-L**, titled "Series 2001/110 Impact Single Slide", sheets 1 through 4, of 4 prepared by manufacturer, dated 11/23/09 and last revised on 01/18/10, signed and sealed by John E. Scates, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

1. Not approved where water infiltration is required, unless covered by overhang complying w/FBC.

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 # **08-0410.16** consists of this page 1 and evidence pages E-1 as well as approval document mentioned above.

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



**NOA No 10-0322.17
Expiration Date: August 21, 2013
Approval Date: July 14, 2010
Page 1**

6/21/10

Horton Automatics Division of Overhead Door

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Photocopy from file # **08-0410.16**)
2. Drawing No. **040709-L**, titled "Series 2001/110 Impact Single Slide", sheets 1 through 4, of 4 prepared by manufacturer, dated 11/23/09 and last revised on 01/18/10, signed and sealed by John E. Scates, P.E.

B. TESTS (Photocopy from file # **08-0410.16)**

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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94.
4) Water Resistant test, per FBC, TAS 202-94 (Not conducted)
5) Large Missile Impact test per FBC, TAS 201-94
6) Cyclic Loading Test per FBC, TAS 203-94

along with installation diagram of an aluminum automatic sliding glass doors, prepared by Hurricane Testing Laboratories, Test Report No. **HTL-0322-1103-07** (phase 2, elevations 1-4), dated 03/14/08 and revised on 06/12/08 by an addendum letter, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis dated 01/18/10, prepared, signed and sealed by John E. Scates, P.E.
2. Glazing complies w/ ASTM E-1300-02 and -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 Inc., for "Vanceva Composite Glass Interlayer", expiring on 12/11/2013.

F. STATEMENTS

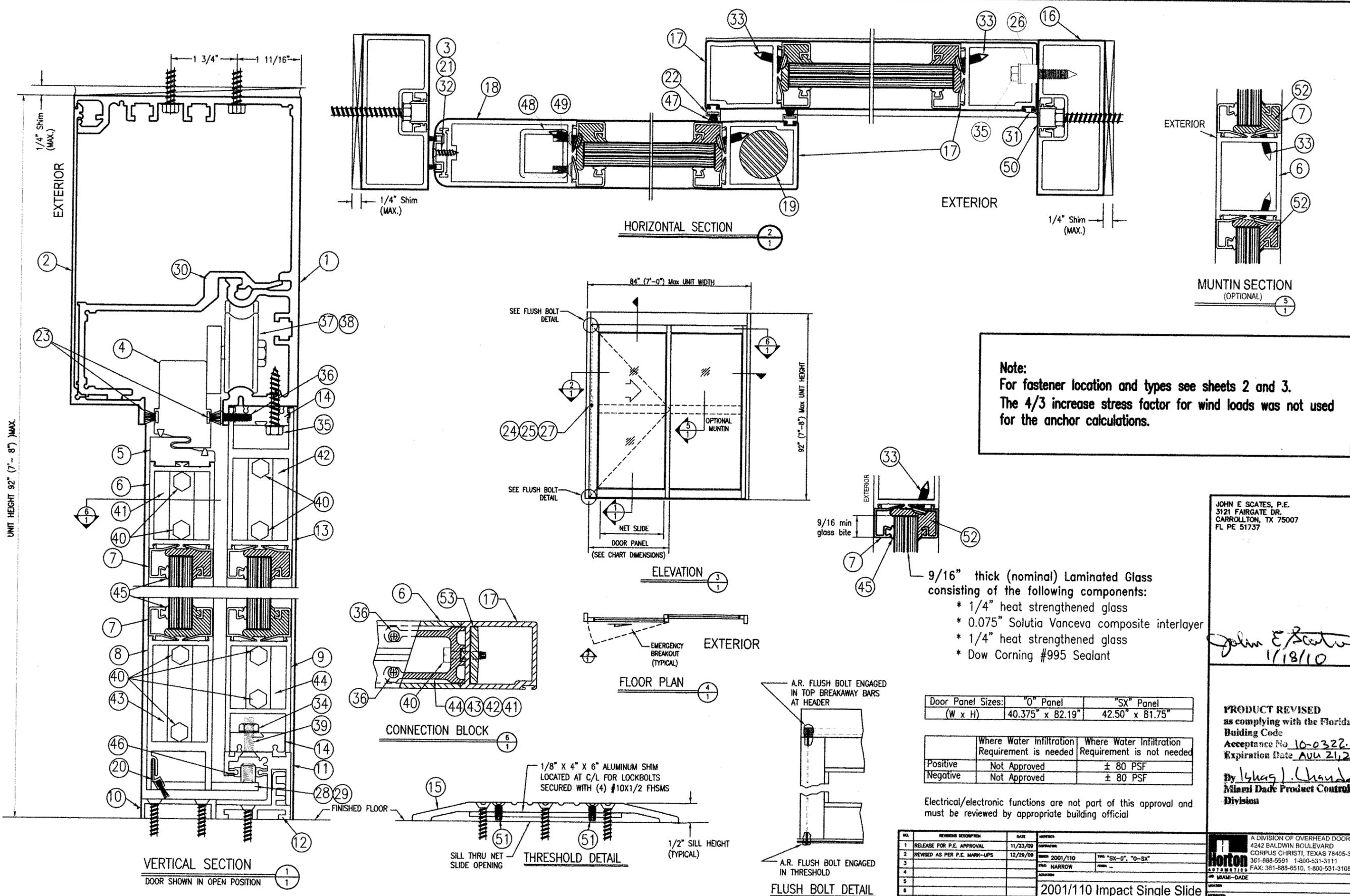
1. Statement letter of conformance & "No financial interest", dated 01/18/10, signed & sealed by John E. Scates, P.E.
2. Addendum letter dated 06-12-08, issued by Hurricane Testing lab, signed and sealed by Vinu Abraham, P. E.
3. Statement letter of compliance, part of above test report.

G. OTHER

1. This NOA revises NOA # **08-0410.16**, expiring August 21, 2013.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 10-0322.17
Expiration Date: August 21, 2013
Approval Date: July 16, 2010



Note:
 For fastener location and types see sheets 2 and 3.
 The 4/3 increase stress factor for wind loads was not used for the anchor calculations.

9/16" thick (nominal) Laminated Glass consisting of the following components:
 * 1/4" heat strengthened glass
 * 0.075" Solutia Vanceva composite interlayer
 * 1/4" heat strengthened glass
 * Dow Corning #995 Sealant

Door Panel Sizes:	"O" Panel	"SX" Panel
(W x H)	40.375" x 82.19"	42.50" x 81.75"

	Where Water Infiltration Requirement is needed	Where Water Infiltration Requirement is not needed
Positive	Not Approved	± 80 PSF
Negative	Not Approved	± 80 PSF

Electrical/electronic functions are not part of this approval and must be reviewed by appropriate building official

JOHN E. SCATES, P.E.
 3121 FAIRGATE DR.
 CARROLLTON, TX 75007
 FL PE 51737

John E. Scates
 1/18/10

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 10-0322-17
 Expiration Date AUG 21, 2013

By Ulagal Chandra
 Miami Dade Product Control Division

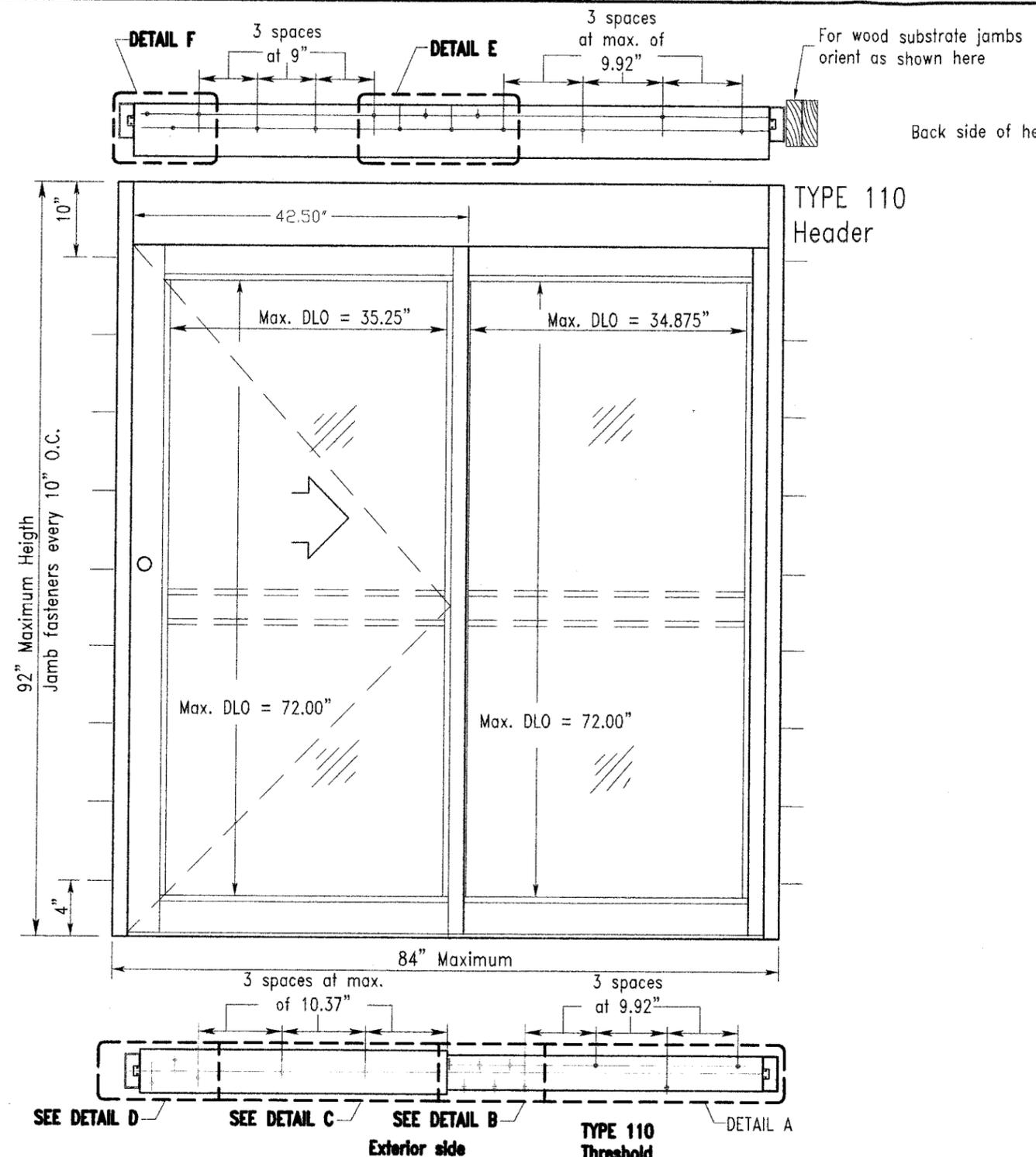
NO.	REVISION DESCRIPTION	DATE	APPROVED
1	RELEASE FOR P.E. APPROVAL	11/23/09	
2	REVISED AS PER P.E. MARK-UPS	12/29/09	
3			
4			
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6			
7			
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A DIVISION OF OVERHEAD DOOR CORP.
 4242 BALDWIN BOULEVARD
 CORPUS CHRISTI, TEXAS 78405-3309
 361-888-5591 1-800-531-3111
 FAX: 361-888-6510, 1-800-531-3108

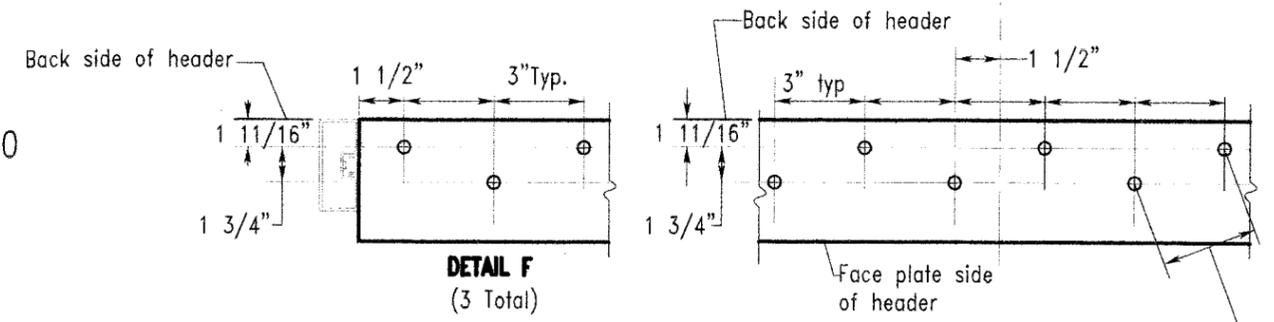
Horton

2001/110 Impact Single Slide
 Dwg. No. 040709-L

DATE: 04/07/09



For wood substrate jambs orient as shown here



The frame must be shimmed with a type of shim complying with the Florida Building Code and is capable of resisting the frame's rotation-1/4" thk. Max

The 4/3 increase stress factor for wind loads was not used for the anchor calculations.

Ref. 3" min. distance between all fasteners in concrete

HEADER

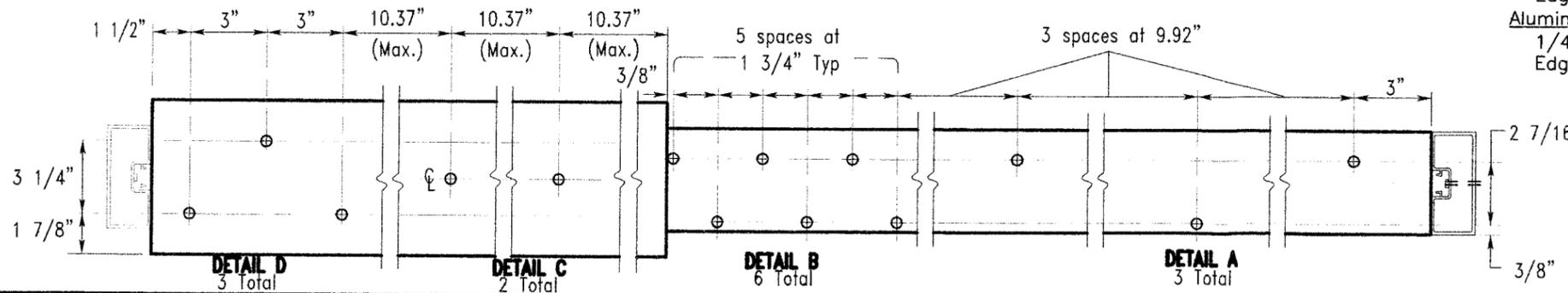
Steel (1/4" Thick, Fy=36 KSI) - INTERCORP #14 Steel HWH Self-Drilling Screw, 0.625" Min. Edge Distance
 Aluminum(0.125" Thick Min./6063-T5) - 1/4"-14 HWH Sheetmetal Screw, 1" Min. Edge Distance.

JAMBS

Steel (1/4" Thick, Fy=36 KSI) - ITW TEKS SCREW #14-20, HWH w/WINGS Self-Drilling Screw 0.625" Minimum Edge Distance
 Concrete(3000 PSI) - BUILDEX TAPCON 1/4" HWH Concrete Screw/Anchor, 2.0" Embed, 2.5" Min. Edge Distance
 Masonry(Solid CMU Block) - BUILDEX TAPCON 1/4" HWH Concrete Screw/Anchor, 2.0" Embed, 2.5" Min. Edge Distance
 Aluminum(0.125" Thick Minimum/6063-T5) - 1/4"-14 HWH Sheetmetal Screw, 1" Min. Edge Distance.
 Wood(#2 SP)-#14 x 4" Long Woodscrew or 1/4" x 4" Long Lag Bolt, 2.75" Minimum Penetration, 1" Minimum Edge Distance.

THRESHOLD

Steel (1/4" Thick, Fy= 36 KSI)- ITW TEKS SCREW #14-20 PFH w/Wings Self-Drilling Screw, 0.625" Minimum Edge Distance
 Concrete(3000 PSI)- BUILDEX TAPCON 1/4" Concrete Screw 2.0" Embed, 2.5" Minimum Edge Distance
 Aluminum(0.125" Thick Minimum/6063-T5) - 1/4"-14 FH Sheetmetal Screw, 1" Minimum Edge Distance



DETAIL D 3 Total

DETAIL C 2 Total

DETAIL B 6 Total

DETAIL A 3 Total

2001/110 Impact Single Slide

NO.	REVISIONS DESCRIPTION	DATE	APPROVED
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3			
4			
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6			
7			
8			

Fastener Locations
Dwg. No. 040709-L

JOHN E. SCATES, P.E.
3121 FAIRGATE DR.
CARROLLTON, TX 75007
FL PE 51737

John E. Scates
1/18/10

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0322-17
Expiration Date AUG 21, 2013
By *Ischag J. Chaudh*
Miami Dade Product Control Division

A DIVISION OF OVERHEAD DOOR CORP.
4242 BALDWIN BOULEVARD
CORPUS CHRISTI, TEXAS 78405-3309
361-888-5591 1-800-531-3111
FAX: 361-888-6510, 1-800-531-3108

Horton

400 MIAMI-DADE
LOCATION:
DESIGNER:
DATE: 04/07/09
SHEET 2 of 4

ITEM #	HORTON PART NUMBER	DESCRIPTION
1	C03600.0005	ALUMINUM EXTRUSION: HEADER
2	C03601.0002	ALUMINUM EXTRUSION: FACEPLATE
3	C00358.000R	ALUMINUM EXTRUSION: ASTRAGAL
4	C00314.0000	ALUMINUM EXTRUSION: INTERLOCK TOP
5	C00327.0000	ALUMINUM EXTRUSION: INTERLOCK LOWER
6	C00337.000R	ALUMINUM EXTRUSION: TOP RAIL
7	C00379.0001	ALUMINUM EXTRUSION: GLASS STOP
8	C00336.0001	ALUMINUM EXTRUSION: BOTTOM RAIL
9	C00325.0002	ALUMINUM EXTRUSION: BOTTOM RAIL
10	C00315.0000	ALUMINUM EXTRUSION: TRACK FILLER
11	C00330.0001	ALUMINUM EXTRUSION: BOTTOM GUIDE
12	C00386.0001	ALUMINUM EXTRUSION: ADAPTOR
13	C02801.0000	ALUMINUM EXTRUSION: TOP RAIL
14	C02899.0002	ALUMINUM EXTRUSION: CORNER BLOCK (USED AS REINFORCEMENT)
15	C00390.0000	ALUMINUM EXTRUSION: THRESHOLD 7"
16	C00351.0000	ALUMINUM EXTRUSION: JAMB TUBE 4" X 1-3/4" W/ POCKET
17	C00335.000R	ALUMINUM EXTRUSION: VERTICAL RAIL
18	C00363.0000	ALUMINUM EXTRUSION: VERTICAL RAIL
19	C00818.000R	BAR TORSION (SERVES AS SLIDE PANEL TOP PIVOT)
20	C00524.00FL	WEATHERSEAL BRUSH (FELTON #490621)
21	C00350.0000	NOSING SEAL SCHLEGEL #1104-5101
22	C00397.0000	ADAPTER FOR C00389.01FL
23	C00293.0000	WEATHERSEAL BRUSH SCHLEGEL #8430-5016-7
24	C00454.0000	LOCK, MAX SECURITY ADAMS RITE MS1850S w/ ADAMS RITE 4015 HEADER BOLT
25	C00463.0000	THUMBTURN ADAMS RITE 4066
26	C02098.0000	SECURITY POST; 1/2" O.D. X 3/4" LG. x .083" WALL ALUM. TUBE (PLACED AT 24" & 48" ABOVE FINISHED FLOOR)
27	C00883.0000	3/8" HEX BOLT ADAMS RITE 4015 EXTENDING INTO HEAD AND SILL 1/2"
28	C00843.01FL	BOTTOM GUIDE DOOR MOUNTED
29	C00844.01FL	BOTTOM GUIDE DOOR MOUNTED
30	C03638.0000	HEADER & FACEPLATE SUPPORT
31	C00371.000R	WEATHERSTRIP; PANEL TO JAMB
32	C00664.0001	#8 X 3/4 FHSMS
33	C09652.0000	#10 X 3/4" FHSMS (4" From each rail end and one (1) in center of rail)
34	C00404.0000	1/4-20 LOCKNUT
35	C00417.0000	#14 X 1-1/2 HWSMS
36	C00449.0000	#10-24 X 1" FHMS
37	C03682.0006	DRIVE WHEEL ASSEMBLY
38	C03681.0001	IDLER ASSEMBLY
39	C08151.0000	1/4-20 X 1" FHMS
40	C08150.0000	1/4-20 X 3/4 HHMB
41	C00537.000R	CORNER BLOCK
42	C09490.0001	CORNER BLOCK
43	C00536.0001	CORNER BLOCK
44	C09582.0002	CORNER BLOCK
45	C00341.0001	VINYL GLAZING BULB
46	C00289.0000	TRACK CAP
47	C00389.01FL	INTERLOCK SEAL SCHLEGEL #7595-6011-0
48	MI 0344.0000	REINFORCING BACKUP TUBE; 1 1/4" X 1 1/4" X 1/8" A36, FULL LENGTH OF VERT.RAIL
49	C00437.000A/B	#10-24 x 1/2 FHSMS LESS THAN 10" APART (STAGGERED)
50	C00353.0000	COVER; RECESS - JAMB
51	C00437.000A/B	#10-24 x 1/2 FHSMS
52	NPN	GLAZING - DOW CORNING #995
53	C0538.000R	BACKUP PLATE; CRS

JOHN E. SCATES, P.E.
3121 FAIRGATE DR.
CARROLLTON, TX 75007
FL PE 51737

John E. Scates
1/18/10

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0322-17
Expiration Date *Aug 21, 2013*
By *Ishaq J. Chaudhary*
Miami Dade Product Control
Division

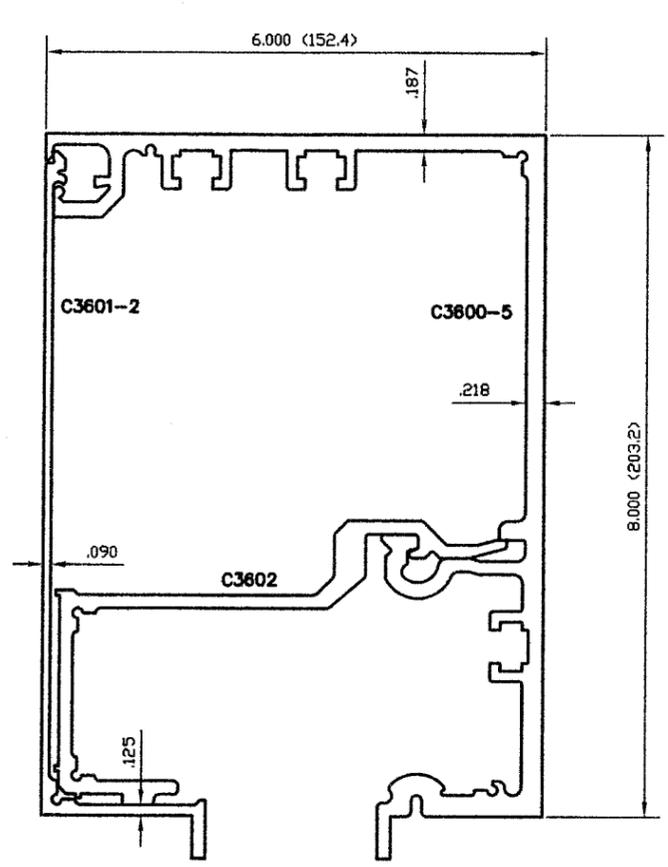
2001/110 Impact Single Slide

NO.	REVISIONS DESCRIPTION	DATE	APPROVAL
1	RELEASE FOR P.E. APPROVAL	11/23/09	
2	REVISE AS PER P.E. MARK-UPS	12/29/09	
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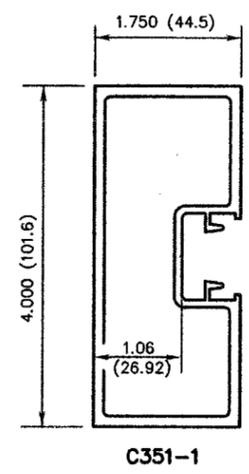
CONTRACTOR: _____
 DATE: 2001/110 TYPE: "SX-0", "O-SX"
 TITLE: NARROW DRAWN: _____
 ACTUATOR: _____
 LOCATION: _____
 Bill of Materials
 Dwg. No. 040709-L

Horton
A DIVISION OF OVERHEAD DOOR CORP.
4242 BALDWIN BOULEVARD
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361-888-5591 1-800-531-3111
AUTOMATICS FAX: 361-888-6510, 1-800-531-3108
MIAMI-DADE

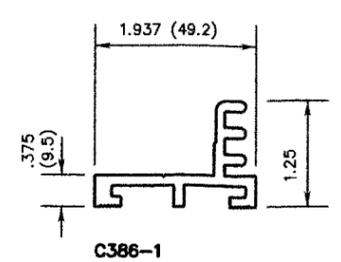
DATE: 04/07/09 SHEET: 3 of 4 REVISION: 2



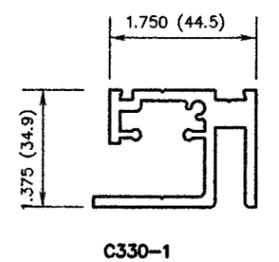
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(152.4) (203.2)
ASSEMBLED



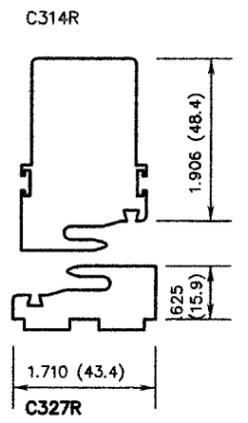
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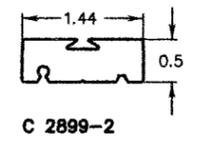
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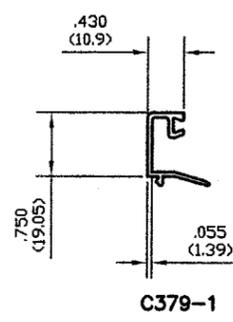
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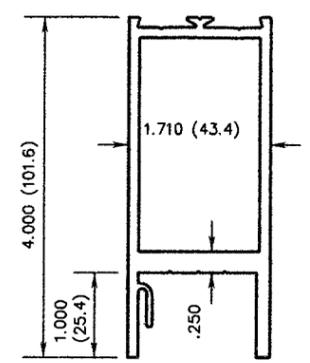
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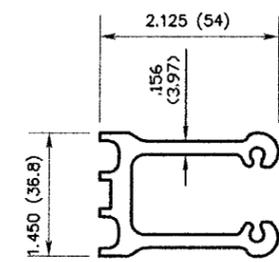
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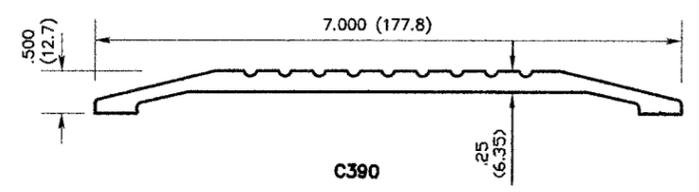
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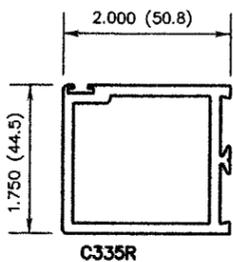
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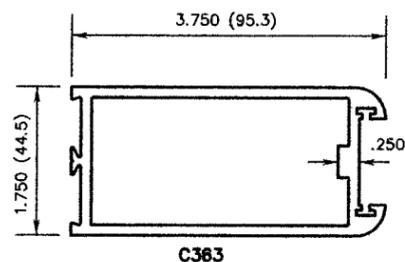
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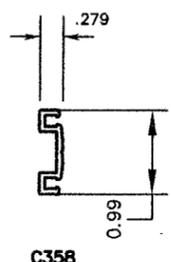
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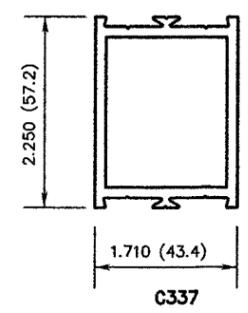
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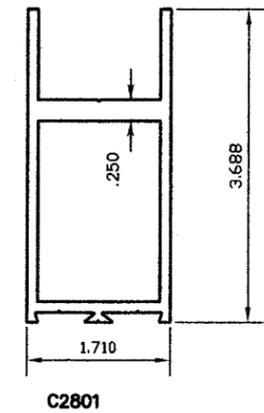
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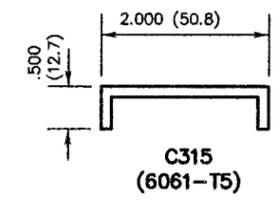
C358



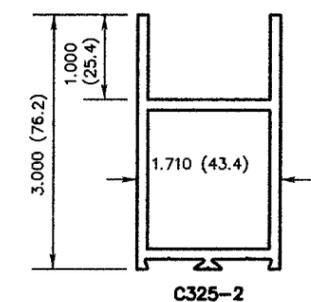
C337



C2801



C315
(6061-T5)



C325-2

TYPICAL THICKNESS = .125" UNLESS OTHERWISE NOTED

ALL EXTRUSIONS ARE 6063-T5 UNLESS OTHERWISE NOTED

2001/110 Impact Single Slide

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Extrusion chart
Dwg. No. 040709-L

JOHN E. SCATES, P.E.
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FAX: 361-888-0510, 1-800-531-3108

Horton
AUTOMATICS

LOCATION: MIAMI-DADE
DESCRIPTION:
DESIGNER: M. JONES
DATE: 04/07/09
PAGE: 4 of 4
REVISION: 2