



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.buildingcodeonline.com

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 "S2110 "(O-Sx-Sx-O or O-Sx) Aluminum Automatic Sliding Door w/ Breakout

APPROVAL DOCUMENT: Drawing No. 970805, titled "Series 2110 O-Sx-Sx-O & O-Sx", sheets 1 through 5, of 5 prepared by manufacturer, dated 08/05/97 and last revised on 06-23-06, signed and sealed by Ballard L. Argus, 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

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 # 02-0221.03 and, 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.**



R
6/30/06

NOA No 06-0124.07
Expiration Date: April 15, 2007
Approval Date: July 20, 2006
Page 1

Horton Automatics Division of Overhead Door

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file #02-0221 03)

1. Manufacturer's die drawings and sections.
2. Drawing No. **970805**, titled "Series 2110 O-Sx-Sx-O & O-Sx", sheets 1 through 5, of 5 prepared by manufacturer, dated 08/05/97 and last revised on 06-23-06, signed and sealed by Ballard L. Argus, P.E.

B. TESTS (transferred from file #02-0221 03) original test conducted per SFBC, PA 201, PA202 & PA203-94, now termed as FBC, TAS 201, TAS 202 & TAS203-94.

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) Not tested for Water Resistant test.
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 American Test Lab of South Florida, Test Report No. **ATL-0115.01-98 R**, dated 1/15/97 thru 2/6/98, revised on 3/6/98, and Test Report No. **ATL 0217.01-99**, dated 2-17-99, both signed and sealed by William R. Mehner, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis dated 12/02/05, complying with FBC-2004, prepared, signed and sealed by Ballard L. Argus, P.E.

D. QUALITY ASSURANCE BY

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

E. MATERIAL CERTIFICATIONS

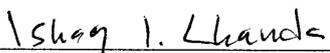
1. Notice of Acceptance No. **04-0818.01**, expiring on 01/13/10, for "Sentry Glass Series 457 Laminate Glass" issued to E. I. Dupont De Nemours & Co, Inc.

F. STATEMENTS (transferred from file #02-0221 03)

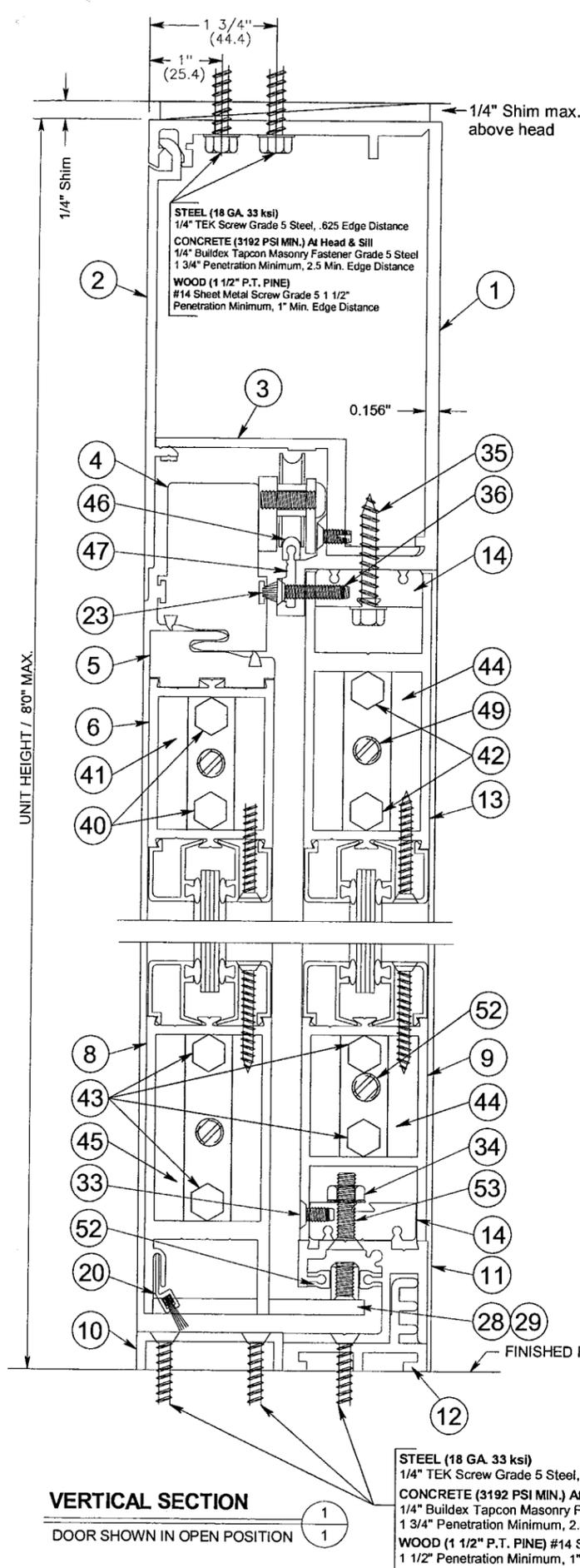
1. Statement of FBC compliance calculation dated 12-02-05, prepared, signed and sealed by Ballard L. Argus, P.E
2. Statement letter of conformance, dated July 03, 1998, signed & sealed by William M. Meyers, P.E.
3. Statement letter of no financial interest, dated July 03, 1998, signed & sealed by William M. Meyers, P.E.
4. Statement letter of compliance, dated 03-23-99 issued by American Testing Lab (ATL), signed by Keith Harker.

G. OTHER

1. This NOA **revises** NOA # **02-0221.03**, expiring on 04/15/07.
2. Glazing complies w/ ASTM E-1300-98 & ASTM E 1300-02
3. Test proposal for renewal dated 06-19-06, approved by BCCO



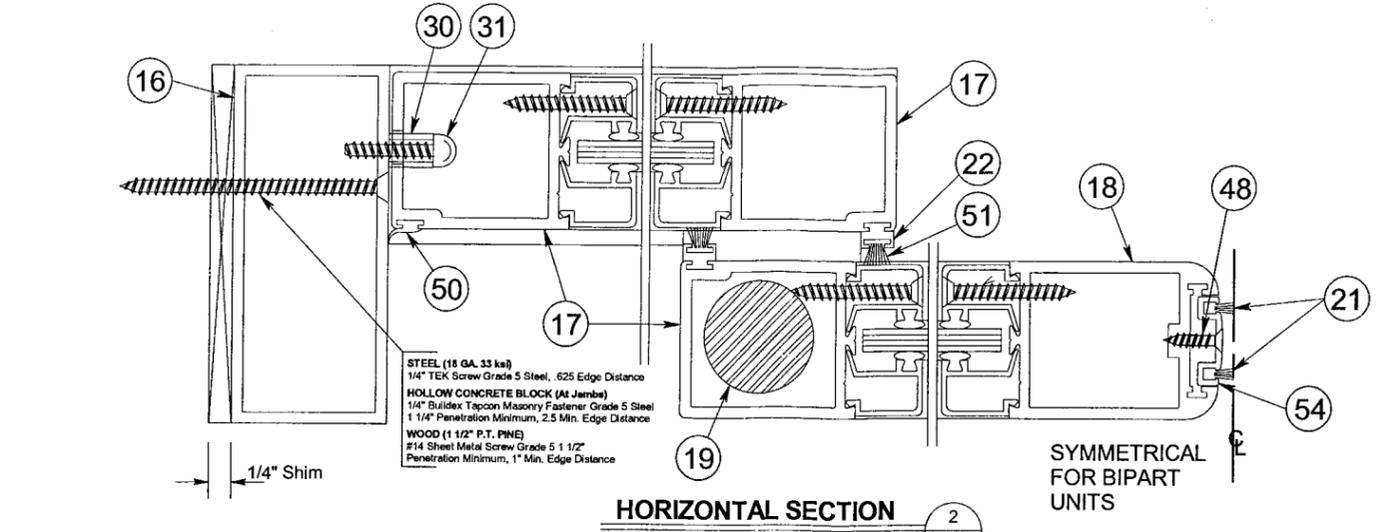
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 06-0124.07
Expiration Date: April 15, 2007
Approval Date: July 20, 2006



VERTICAL SECTION

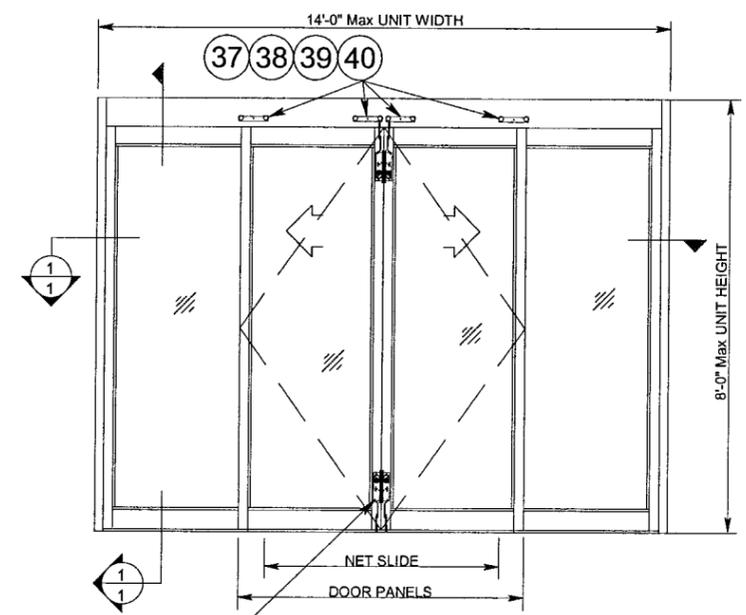
DOOR SHOWN IN OPEN POSITION

STEEL (18 GA. 33 ksi)
1/4" TEK Screw Grade 5 Steel, .625 Minimum Edge Distance
CONCRETE (3192 PSI MIN.) At Head & Sill
1/4" Buildex Tapcon Masonry Fastener Grade 5 Steel
1 3/4" Penetration Minimum, 2.5" Min. Edge Distance
WOOD (1 1/2" P.T. PINE) #14 Sheet Metal Screw Grade 5,
1 1/2" Penetration Minimum, 1" Min. Edge Distance



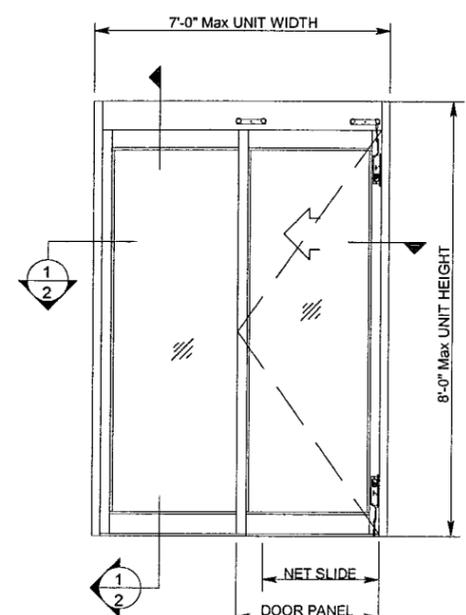
HORIZONTAL SECTION

SYMMETRICAL FOR BIPART UNITS



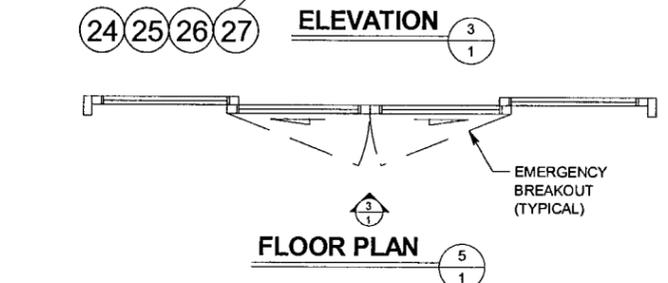
ELEVATION

24 25 26 27



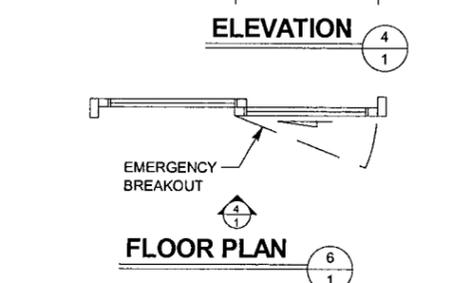
ELEVATION

1 2



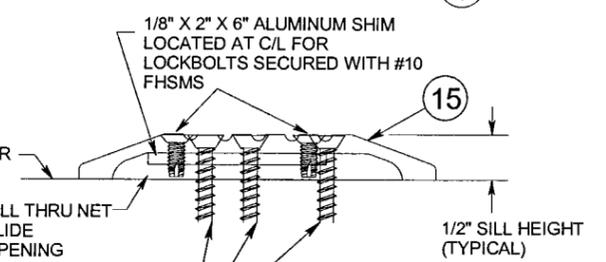
FLOOR PLAN

3 1



FLOOR PLAN

4 1



SILL THRU NET SLIDE OPENING

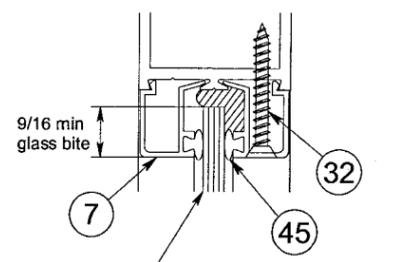
1/2" SILL HEIGHT (TYPICAL)

Maximum Unit Sizes:	Panel Width Nom. Door	Net Slide Opening
7'-0" W X 8'-0" H	1 @ 42" = 42"	36"
14'-0" W X 8'-0" H	2 @ 42" = 84"	72"
Maximum Daylight Openings:		
Operable Panel:	36" W X 80" H	
Fixed Panel:	37.25" W X 80" H	

	Where Water Infiltration Requirement is needed	Where Water Infiltration Requirement is not needed
Positive	Not Approved	+ 67 PSF
Negative	Not Approved	- 67 PSF

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

Note:
For fastener location and types see sheets 2 and 3
The allowable 4/3 increase stress factor for wind loads was not used in the anchor calculations for determining the minimum required anchor quantities shown on these drawings



1/4" Tempered Glass - DuPont SentryGlas 457 Laminate consists of 0.045" Polyvinyl Butyral and 0.007" of PET with an abrasion resistant hard coat. Interior glazed and wet glazed with Dow Corning 995 using aluminum snap-in glazing bead (0.848" X 0.621"), on interior and exterior side of panel stiles and rails with a vinyl wedge between glass and glazing bead. The glazing bead on the operable and fixed panels fastened to the rails and stiles on the interior side with a #10 X 1.5" FHMS. Minimum Glass Bite - 9/16".

Head to Jamb Steel Angles (Top - 2.25" X 0.63" X 0.13"; Bottom - 0.94" X 0.63" X 0.13") secured to jamb with 3.688" X 6" X 1/4" Alum. Tapping Plate & 2 ea. #1/4-20 X 5/8" SCS. The head is secured to the angles with 3 ea. #1/4-20 X 1/2" FHMS (2 @ top; 1 @ bottom).

All structural aluminum members are 6063-T5 alloy. Typical thickness = 1/8", unless indicated otherwise. Typical Panel thickness = 1 3/4"

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

Weatherseals:

C293	Slide Panel Top Seal	Schlegel Corp. Poly-Bond #8430-270
C389-1	Interlock Seal	Schlegel Corp. FinSeal #7595-6011-0
C350	Nosing Seal	Schlegel Corp. Skirting Seal #1104-5101
C371R	Sidelite / Jamb Seal	Textrude #C371R
C524-FL	Slide Panel Bottom Seal	Felton Nylon Bristle #490621

Hardware:

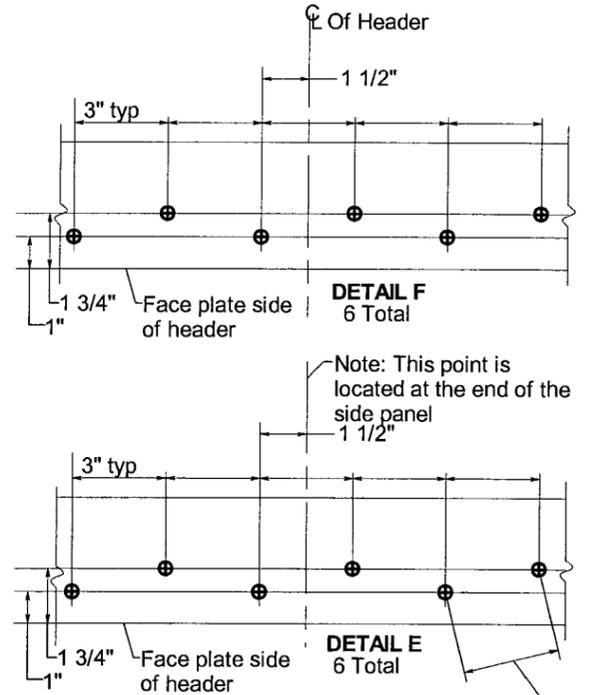
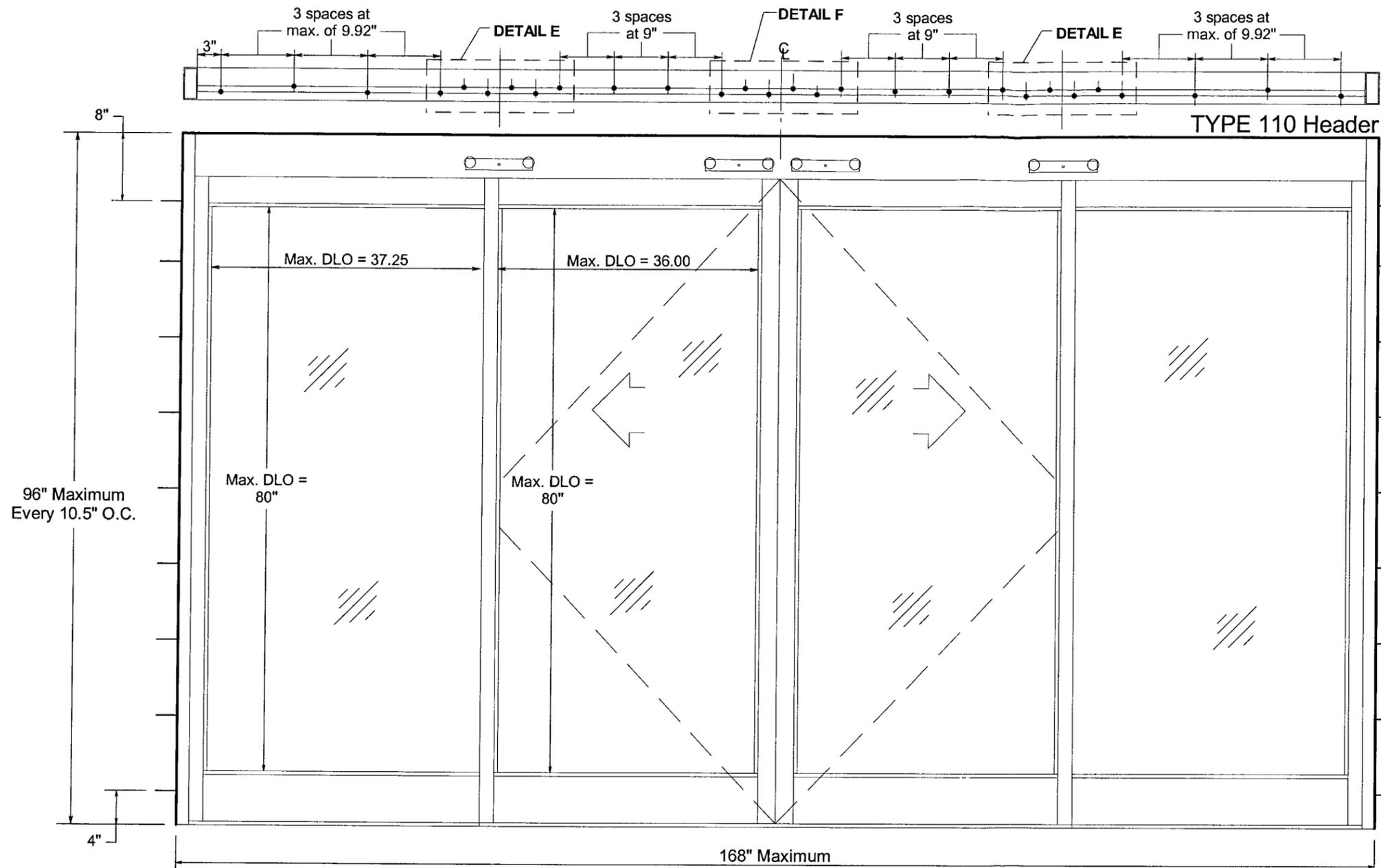
C454	Lock - Maximum Security	Adams-Rite #MS1850S-250-628
C659	Thumbturn Cylinder	Adams-Rite #4066
C487	Exit Indicator	Adams-Rite #4089
C883	Threshold Bolt	Adams-Rite #4015
C815-RFL	Slide Top Roller Assembly	
C843-1FL	Left Hand Bottom Guide	
C844-1FL	Right Hand Bottom Guide	

Ballard L. Argus, P.E.
530 West Pine Street, Suite 5
Ponchatoula, La 70454

[Signature]
6/23/06
Fu # 35686

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 06-0124-07
Expiration Date APRIL 15, 2007
By *[Signature]*
Miami Dade Product Control Division

NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:	A DIVISION OF OVERHEAD DOOR CORPORATION 4242 BALDWIN BOULEVARD CORPUS CHRISTI, TEXAS 78405-3399 361-888-5591 1-800-531-3111 FAX: 361-888-6510, 1-800-531-3108 http://www.hortondors.com
1	INSTALL SCREWS	4/5/98	CONTRACTOR:	
2	ADDITIONAL NOTES ADDED	3/12/99	SERIES: 2110 TYPE: O-SX-SX-O & O-SX	
3	ADDITIONAL NOTES ADDED	3/23/99	FINISH:	
4	UPDATE TO NEW FASTNER REQ.	12/6/05	ACTUATION:	
5	UPDATE SILL FASTENER NOTES	5/16/06		
Dwg. No. 970805				JOB: METRO-DADE LOCATION: DISTRIBUTOR: DWN: DPH P.O. # CHK: DATE: 8/5/97 SHEET 1 of 5

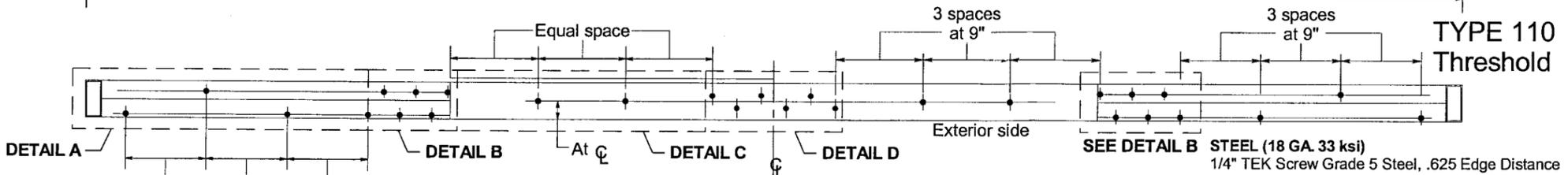


Note: This point is located at the end of the side panel 1 1/2"

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

Ballard L. Argus, P.E.
 530 West Pine Street, Suite 5
 Ponchatoula, La 70454

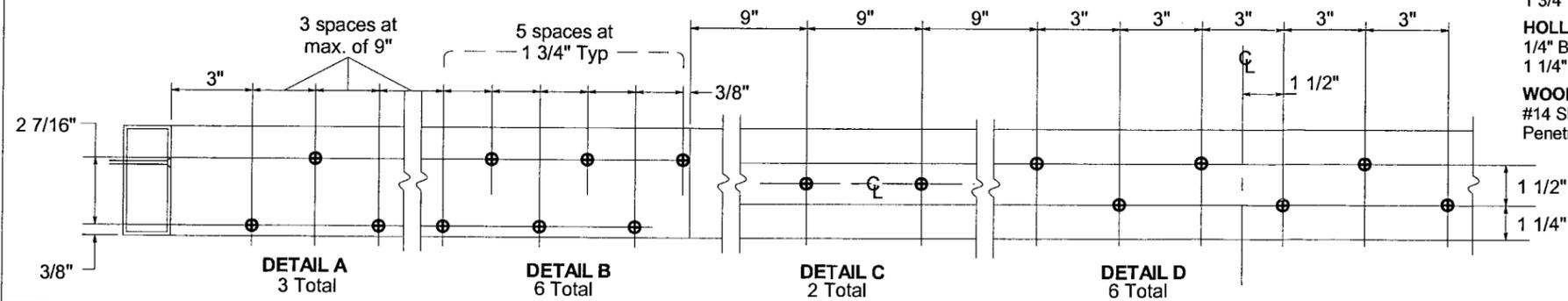
[Signature]
 6/23/06
 FL #3562L



- STEEL (18 GA. 33 ksi)
1/4" TEK Screw Grade 5 Steel, .625 Edge Distance
- CONCRETE (3192 PSI MIN.) At Head & Sill
1/4" Buildex Tapcon Masonry Fastener Grade 5 Steel
1 3/4" Penetration Minimum, 2.5 Min. Edge Distance
- HOLLOW CONCRETE BLOCK (At Jambes)
1/4" Buildex Tapcon Masonry Fastener Grade 5 Steel
1 1/4" Penetration Minimum, 2.5 Min. Edge Distance
- WOOD (1 1/2" P.T. PINE)
#14 Sheet Metal Screw Grade 5 1 1/2"
Penetration Minimum, 1" Min. Edge Distance

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

The allowable 4/3 increase stress factor for wind loads was not used in the anchor calculations for determining the minimum required anchor quantities shown on these drawings



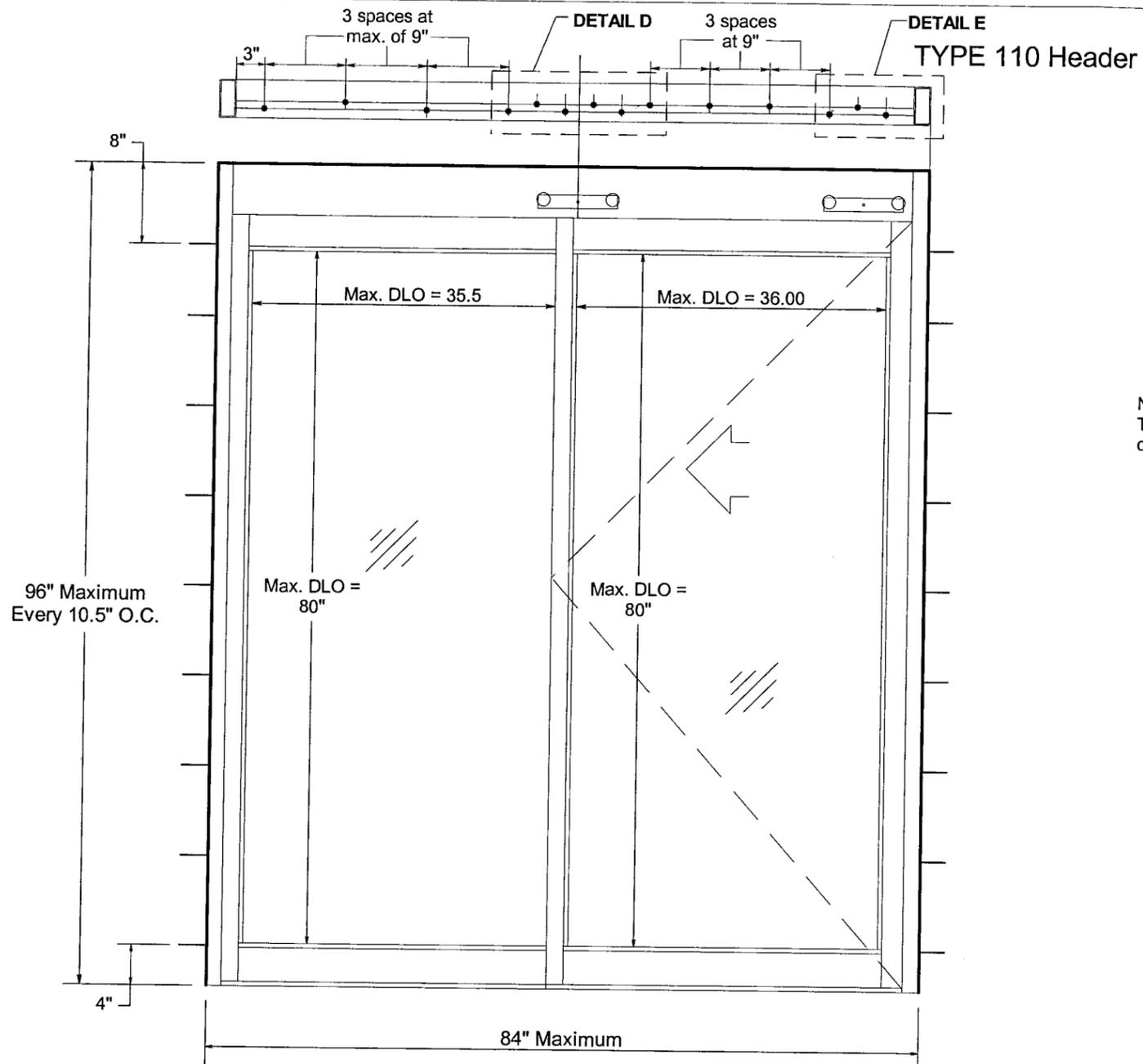
NO.	REVISIONS DESCRIPTION	DATE
1	ADDED DIMS & REV NOTES	5-16-06

ARCHITECT: _____
 CONTRACTOR: _____
 SERIES: _____ TYPE: _____
 FINISH: _____
 ACTUATION: _____
 Bi-Part Fastener Locations
Dwg. No. 970805

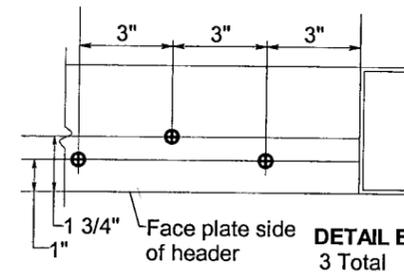
Horton
 A DIVISION OF OVERHEAD DOOR CORPORATION
 4242 BALDWIN BOULEVARD
 CORPUS CHRISTI, TEXAS 78405-3399
 361-888-5581 1-800-531-3111
 FAX: 361-888-6510 1-800-531-3108
 http://www.hortondors.com

JOB: METRO-DADE
 LOCATION: _____
 DISTRIBUTOR: _____
 DWN: CM P.O. # _____ SHEET 2 of 5
 CHK: FR DATE: 12/7/05 REVISION: _____

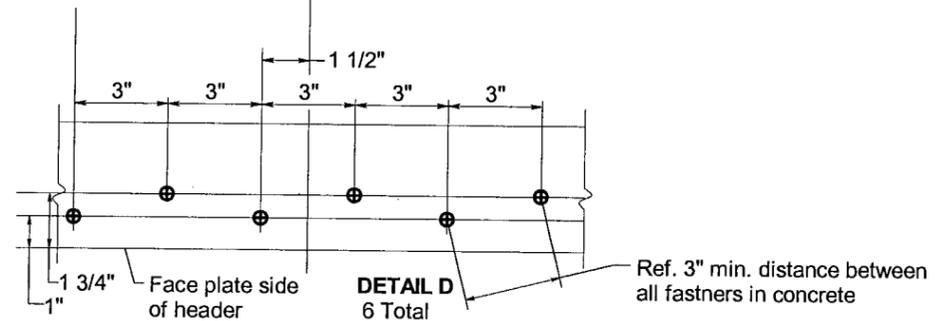
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 06-0124-07
 Expiration Date APRIL 15, 2007
 By *[Signature]*
 Miami Dade Product Control Division



- STEEL (18 GA. 33 ksi)**
1/4" TEK Screw Grade 5 Steel, .625 Edge Distance
- CONCRETE (3192 PSI MIN.) At Head & Sill**
1/4" Buildex Tapcon Masonry Fastener Grade 5 Steel
1 3/4" Penetration Minimum, 2.5 Min. Edge Distance
- HOLLOW CONCRETE BLOCK (At Jambs)**
1/4" Buildex Tapcon Masonry Fastener Grade 5 Steel
1 1/4" Penetration Minimum 2.5 Min. Edge Distance
- WOOD (1 1/2" P.T. PINE)**
#14 Sheet Metal Screw Grade 5 1 1/2" Penetration Minimum, 1" Minimum Edge Distance



Note:
This point is located at the end of the side panel



Ballard L. Argus, P.E.
530 West Pine Street, Suite 5
Ponchatoula, La 70454

6/23/06
FL # 35692

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

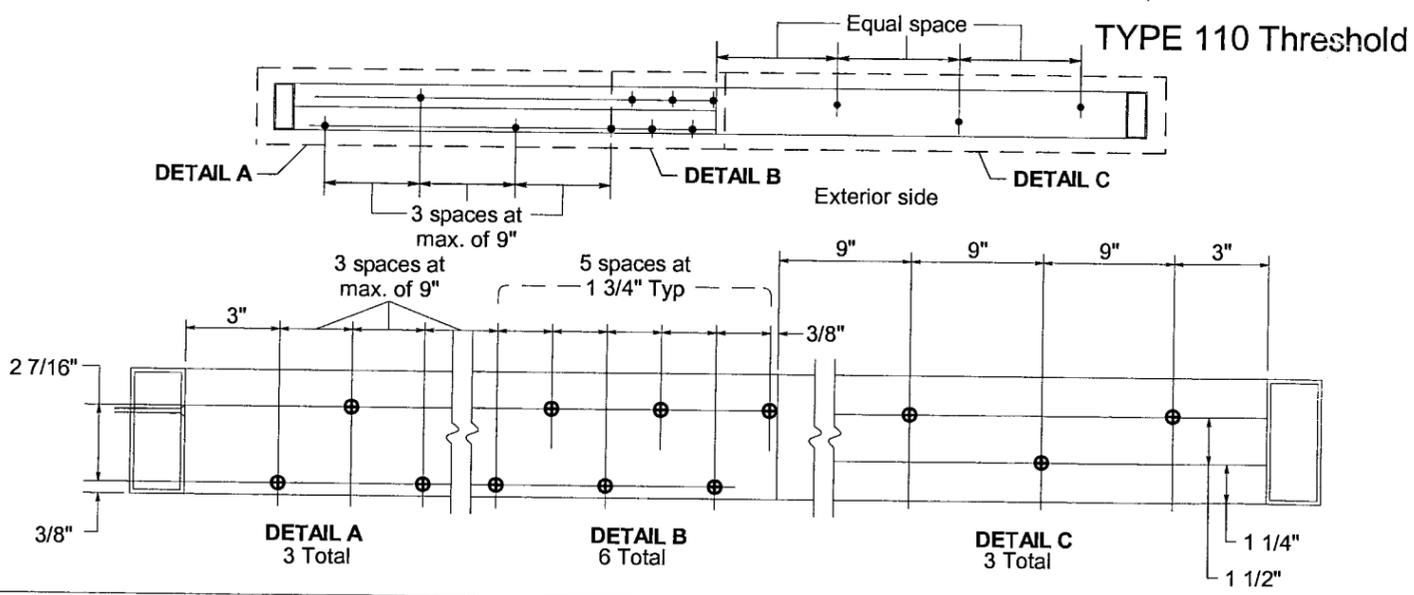
The allowable 4/3 increase stress factor for wind loads was not used in the anchor calculations for determining the minimum required anchor quantities shown on these drawings

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 06-012407
Expiration Date APRIL 15, 2007
By Wag. I. Llandu
Miami Dade Product Control Division

Fastener locations

NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:	CONTRACTOR:	SERIES:	TYPE:	FINISH:	ACTUATION:	JOB: METRO-DADE	LOCATION:	DISTRIBUTOR:	DWN: CM	P.O. #	SHEET 3 of 5
1	ADDED DIMS & REV NOTES	5-16-06										CHK: ER	DATE: 12/7/05	REVISION:

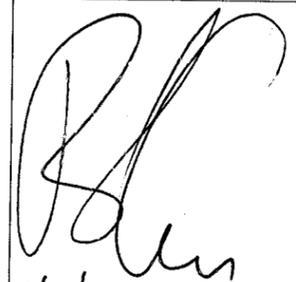
Dwg. No. 970805



ITEM #	HORTON PART NUMBER	DESCRIPTION
1	C00265.000R	ALUMINUM EXTRUSION: HEADER
2	C00266.000R	ALUMINUM EXTRUSION: FACEPLATE
3	C00264.000R	ALUMINUM EXTRUSION: TRAY
4	C00314.000R	ALUMINUM EXTRUSION: INTERLOCK TOP
5	C00327.000R	ALUMINUM EXTRUSION: INTERLOCK LOWER
6	C00337.000R	ALUMINUM EXTRUSION: TOP RAIL
7	C00370.0001	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	C00383.0000	ALUMINUM EXTRUSION: THRESHOLD 4"
16	C00300.0000	ALUMINUM EXTRUSION: JAMB TUBE 4" X 1-3/4"
17	C00335.000R	ALUMINUM EXTRUSION: VERTICAL RAIL
18	C00365.000R	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	INTERLOCK SEAL SHCLEGEL #7595-6011-0
23	C00293.0000	WEATHERSEAL BRUSH Schlegel #8430-5016-7
24	C00659.0000	LOCK, MAX SECURITY AR 41-0444-02
25	C00463.0000	THUMBTURN A/R 4066
26	C00487.0000	EXIT INDICATOR A/R 4089
27	C00883.0000	3/8" HEX BOLT A/R 4015 EXTENDING INTO HEAD AND SILL 1/2"
28	C00843.01FL	BOTTOM GUIDE DOOR MOUNTED
29	C00844.01FL	BOTTOM GUIDE DOOR MOUNTED
30	C00426.0001	5/16 SPACER
31	C00453.0000	#10 X 5/8 PHSMS
32	C00450.0000	#10 X 1-1/2 FHSMS
33	C00437.0000	#10-24 X 1/2" FHMS EVERY 12"
34	C00404.0000	1/4-20 LOCKNUT
35	C00417.0000	#14 X 1-1/2 HWSMS EVERY 12" IN SIDELITES
36	C07141.0000	#10-24 X 1" FHMS EVERY 12" IN SIDELITES
37	C02130.01FL	DRIVE WHEEL ASSEMBLY
38	C00815.0RFL	WHEEL ASSEMBLY
39	C00817.00FL	IDLER WHEEL ASSEMBLY
40	C08150.0001	1/4-20 X 3/4 HHMB
41	C01044.0000	CORNER BLOCK
42	C09490.0001	CORNER BLOCK
43	C09716.0000	CORNER BLOCK
44	C01045.0000	CORNER BLOCK
45	C00341.0001	VINYL GLAZING BULB
46	C00291.0001	TRACK CAP
47	C00380.0001	TRACK
48	C00664.0001	#8 X 3/4 FHSMS
49	C09719.0000	3/8-16 ALL THREAD THRU BOLT IN ALL HORIZONTALS
50	C00371.000R	WEATHERSTRIP; PANEL TO JAMB

51	C00389.00FL	INTERLOCK MOHAIR WITH FINSEAL
52	C00289.0000	TRACK CAP
53	C08141.0000	1/4-20 X 1" FHMS EVERY 12"
54	C00358.000R	ALUMINUM EXTRUSION: ASTRAGAL

Ballard L. Argus, P.E.
530 West Pine Street, Suite 5
Ponchatoula, La 70454



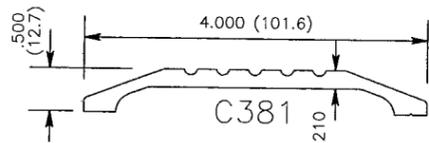
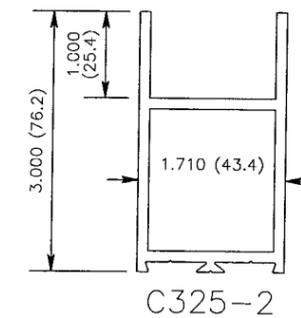
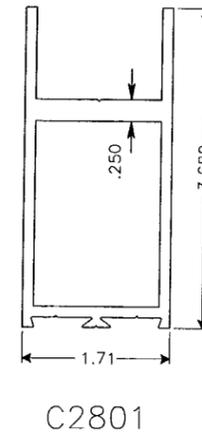
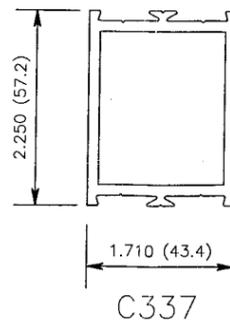
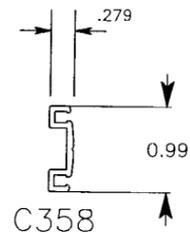
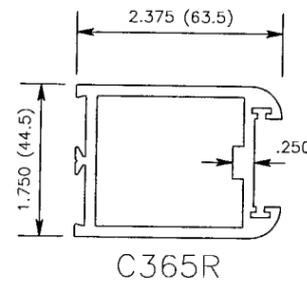
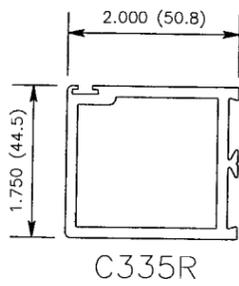
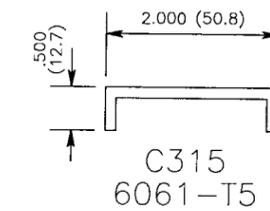
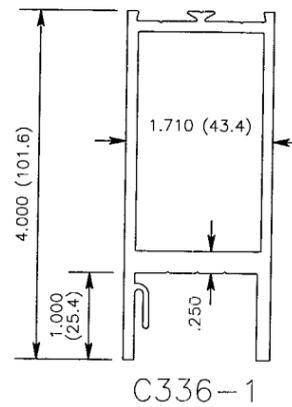
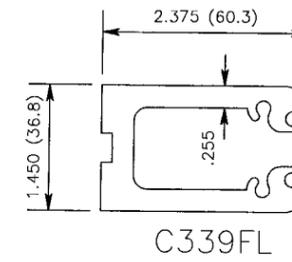
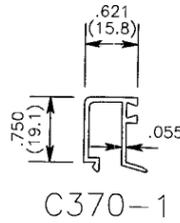
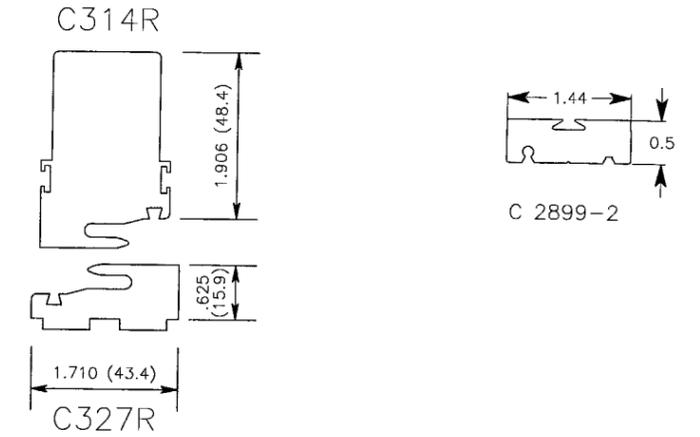
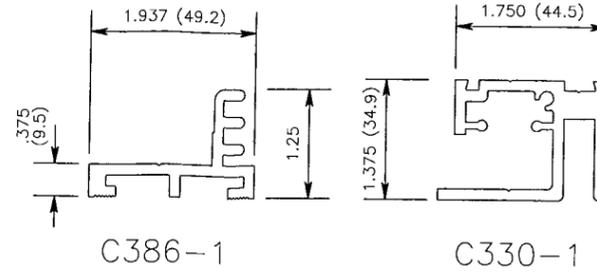
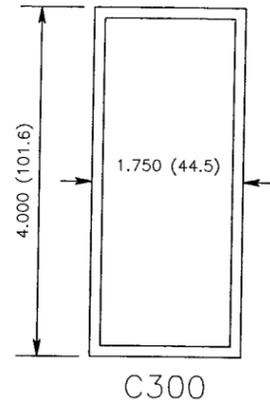
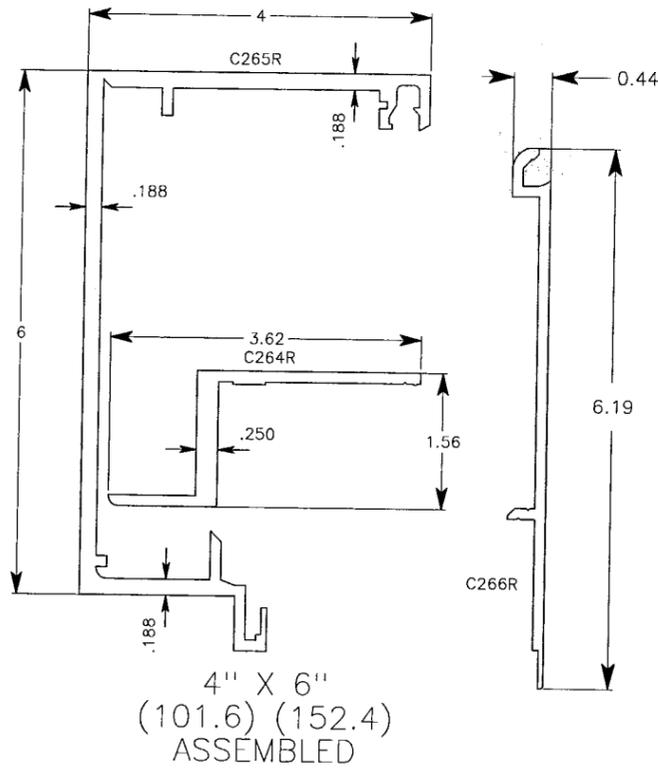
6/23/06
FL #35626

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 06-0124-07
Expiration Date APRIL 2007
By: Ballard L. Argus
Miami Dade Product Control
Division

NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:	CONTRACTOR:	SERIES:	TYPE:	FINISH:	ACTUATION:	JOB: METRO-DADE	LOCATION:	DISTRIBUTOR:	DWN: CM	P.O. #	SHEET 4 of 5
												CHK: FR	DATE: 12-7-05	REVISION:

Bill of materials
Dwg. No. 970805

Horton
AUTOMATIC
A DIVISION OF OVERHEAD DOOR CORPORATION
4242 BALDWIN BOULEVARD
CORPUS CHRISTI, TEXAS 78405-3399
361-888-5591 1-800-531-3111
FAX: 361-888-6510, 1-800-531-3108
http://www.hortondoors.com



TYPICAL THICKNESS = .125" UNLESS OTHERWISE NOTED

ALL EXTRUSIONS ARE 6063-T5 UNLESS OTHERWISE NOTED

Ballard L. Argus, P.E.
530 West Pine Street, Suite 5
Ponchatoula, La 70454

[Signature]
6/23/06
R#35626

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0124-07
Expiration Date APRIL 15, 2007
By Isaac J. Llauda
Miami Dade Product Control
Division

NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:
1	ADDED DIMENSIONS	5-16-06	CONTRACTOR:
			SERIES: TYPE:
			FINISH:
			ACTUATION:
			Extrusion chart
			Dwg. No. 970805

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JOB: METRO-DADE
LOCATION:
DISTRIBUTOR:
DWN: CM P.O. # SHEET 5 of 5
CHK: FR DATE: 12-7-05 REVISION: