



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)

International Impact Building Products, LLC
5900 Australian Avenue, Suite #300
West Palm Beach, FL 33407

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Titan 90" Aluminum Sliding Glass Door w/ reinforcements-Impact

APPROVAL DOCUMENT: Drawing No. **FBC08-1**, titled "Series-Titan 90" large Missile Impact Sliding Doors", sheets 1 through 5 of 5, prepared by CW Engineering, LLC, dated 05/20/09 and last revised on 06-09-09, signed and sealed by Charles William, 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: Large and Small 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 page E-1, as well as, approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



6/11/14

NOA No 09-0127.14
Expiration Date: July 01, 2014
Approval Date: July 01, 2009
Page 1

International Impact Building Products, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **FBC08-1**, titled "Series-Titan 90" large Missile Impact Sliding Doors", sheets 1 through 5 of 5, prepared by CW Engineering, LLC, dated 05/20/09 and last revised on 06-09-09, signed and sealed by Charles William, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 3) Water Resistance Test, per TAS 202-94.
 - 4) Forced Entry Test per FBC 2411.3.2.1 and TAS202-94.
 - 5) Large Missile Impact Test, per TAS 201-94
 - 6) Cyclic Wind Pressure Loading, per TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratories, Test Report No. **HTL-0171-0713.07**, dated 08-01-2008, signed and sealed by Vinu Abraham, P.E.

2. Additional OXO sliding Glass Door test report No. HTL-0171-106-07, dated 03-16-07 per TAS 201, 202 and 203-94, signed and sealed by Vinu Abraham, P.E., issued to Plaza Door Co (Now known as International Impact Products, LLC).

C. CALCULATIONS

1. Anchor verification complying with FBC 2007, prepared by CW Engineering, LLC, dated 01/19/09 and last revised on 06-01-09, signed and sealed by Charles William, P.E.
2. Glazing complies with ASTM E-1300-02 & -04.

D. QUALITY ASSURANCE BY:

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

E. MATERIAL CERTIFICATIONS

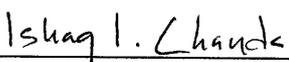
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont De Nemours for "Sentry Glas Plus", expiring on 01/14/2012.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", both dated 01/19/09, signed and sealed by Charles William, P.E.
2. Laboratory compliance, as a part of above test reports.
3. Statement letter dated 04/09/09, issued by Plaza Doors of all assets sold to Impact Building Products, signed by Roy Elwell, president Plaza Door.
4. Statement letter dated 04/09/09, issued by Impact Building Products of all assets purchased from Plaza Doors, signed by Michael Fry, Managing Partner, International Impact Building Products.

G. OTHER

1. Bill of Sales Assignment and Loan Purchase agreement between National City Bank and International Impact Building Products.

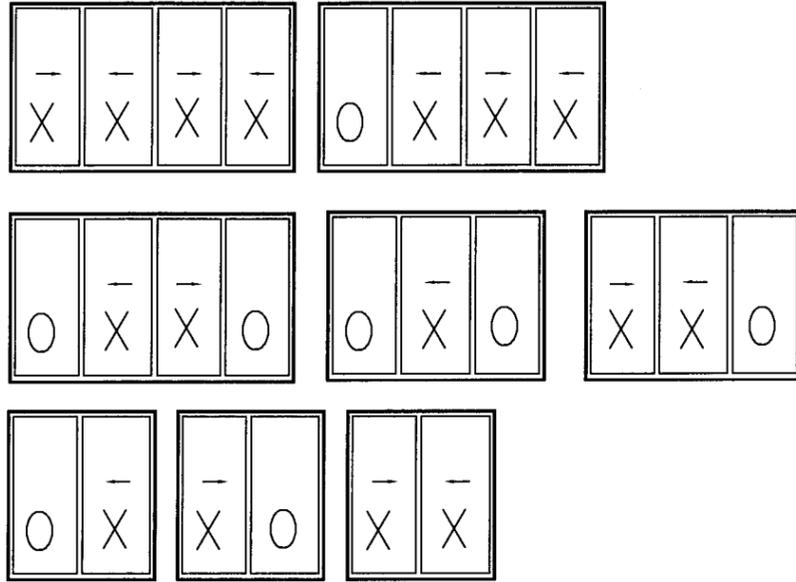


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 09-0127.14
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ALLOWABLE CONFIGUARTIONS

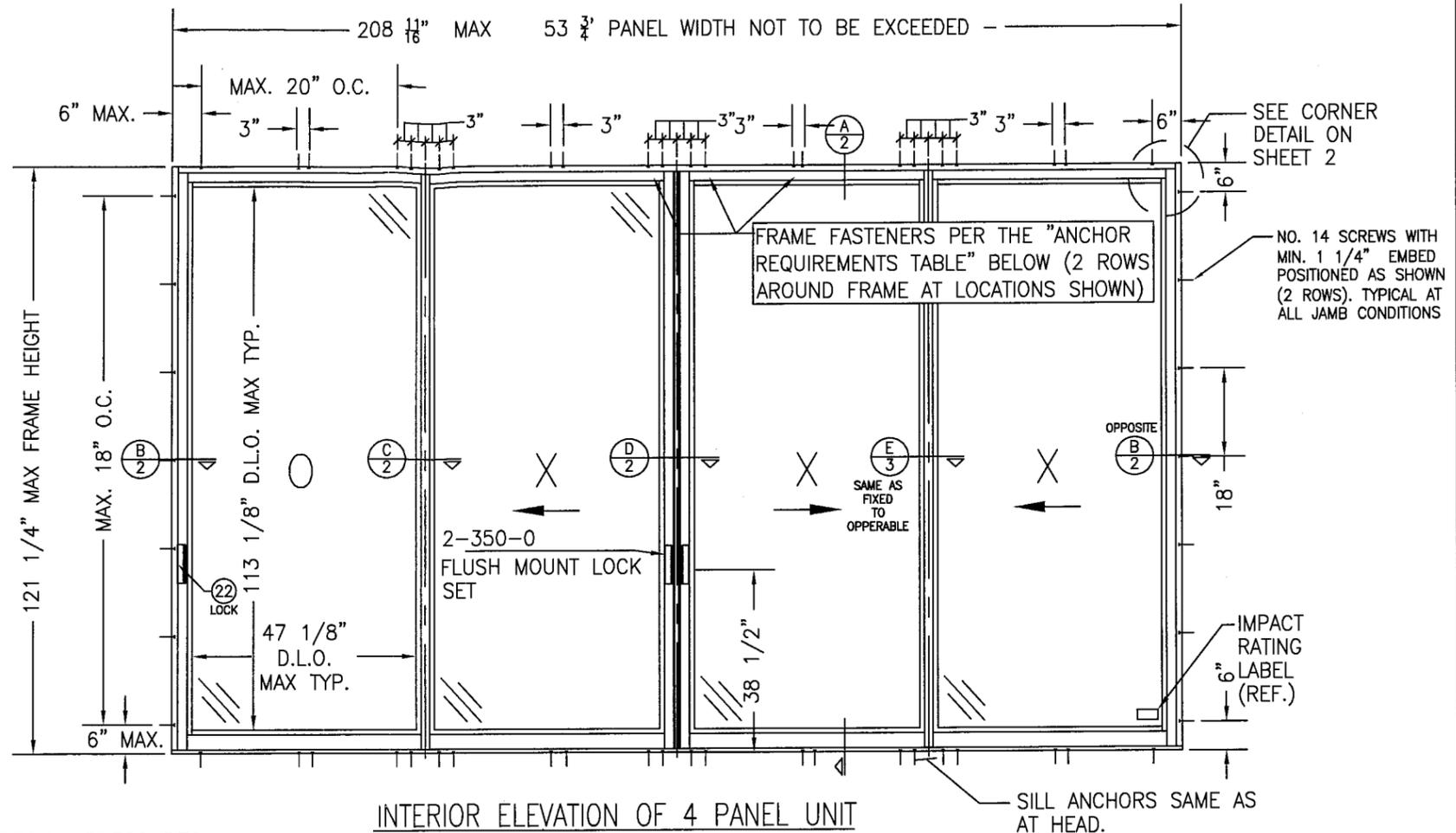
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES AS NOTED. CONFIGURATIONS BELOW ARE THE BASIS OF DESIGN.

SEE SHEET 5 OF 5 FOR DETAILS AND SIZES



$HEIGHT - DLO WIDTH = PANEL WIDTH - 4 \frac{5}{8}"$
 $DLO HEIGHT = PANEL HEIGHT - 7"$
 $FRAME HEIGHT = PANEL HEIGHT + 1 \frac{1}{4}"$

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
2. BUCKING, OPENINGS & 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.
4. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE (FBC) INCLUDING HVHZ.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
6. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
7. ALL FRAME ANCHORS SECURING 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. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BUILDING CODE SECTION 2003.8.4.
9. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE & GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE USED IN CONJUNCTION WITH LOAD COMBINATIONS OF ASCE-7S ECTIONS 2.3 & 2.4
10. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW DESIGN.



INTERIOR ELEVATION OF 4 PANEL UNIT

SCALE=3/8"=1'-0"

MAX. PANEL SIZE FOR ALL DOORS = $53 \frac{3}{4}"$ X $120"$

DOOR HEIGHT INCHES	DESIGN LOAD CAPACITY						
	84	90	96	102	108	114	120
PANEL WIDTH NOMINAL INCHES	(+)(-)	(+)(-)	(+)(-)	(+)(-)	(+)(-)	(+)(-)	(+)(-)
36	90.0	90.0	90.0	72.0	65.0	51.0	47.0
42	90.0	90.0	83.0	63.0	57.0	45.0	40.0
48	90.0	85.0	75.0	56.0	51.0	40.0	36
50.5	90.0	82.0	72.0	54.0	49.0	38.0	34
60	90.0	73.0	64.0	48	-	-	-

FRAME ANCHOR REQUIREMENTS TABLE			
FRAME SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK MIN. (MIN GR. 5)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	#14 SELF TAP/DRILLING SCREW	FULL	1/2"
3000 PSI CONCRETE	1/4" TAPPER PERMA -SEAL BBY POWERS	1 1/2"	1 1/2"
C-90 CMU GROUT FILLED BLOCK	1/4" TAPPER PERMA -SEAL BBY POWERS	2"	1 3/4"

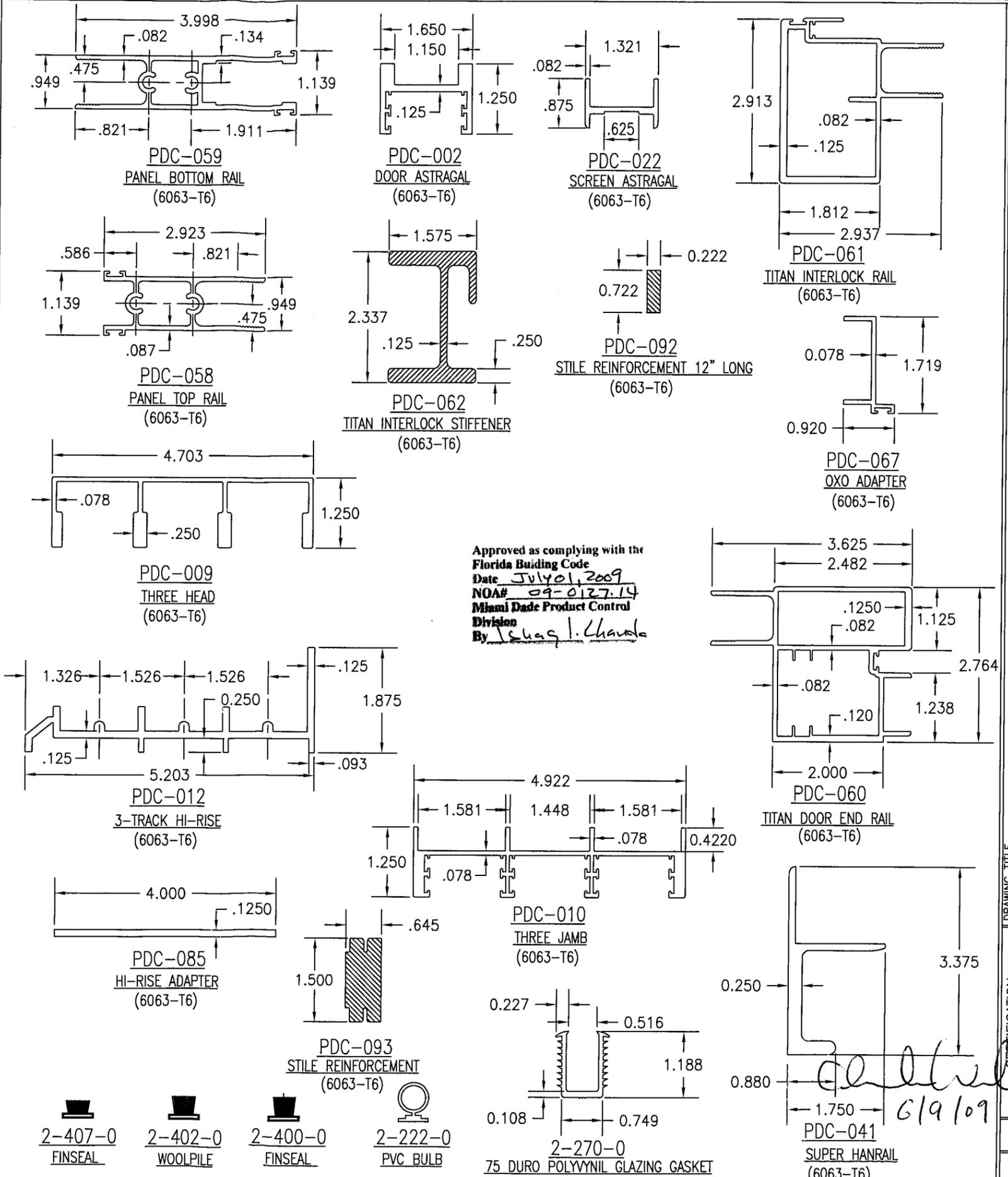
Approved as complying with the Florida Building Code
 Date July 01, 2009
 NOA# 09-0127-14
 Miami Dade Product Control Division
 By Shag J. Chande

Charles Williams
 6/9/09

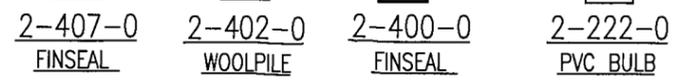
DRAWN BY: R.L.R.	CHECKED BY: R.L.R.	
PLOT: 1=32	DATE: 8/6/08	
REVISION NO.	DATE	DESCRIPTION
1	5-20-09	CORRECTIONS PER MDAD RLR
2	6-08-09	CORRECTIONS PER MDAD RLR
DRAWING TITLE: PLAZA TITAN 90 LARGE MISSILE IMPACT SLIDING GLASS DOORS		
CONSULTANTS: CW Engineering, LLC		
MANUFACTURER: INTL. IMPACT BUILDING PRODUCTS, LLC. dba. PLAZA DOOR SUITE 300 5900 AUSTRALIAN AVE. WEST PALM BEACH, FL 33407 561-578-5450		
CERTIFICATION: CHARLES WILLIAMS, P.E. P.E. NO. 50367		
DRAWING NO. FBC08-1	REV. B	SHEET NO. 1 OF 5

MATERIAL LIST

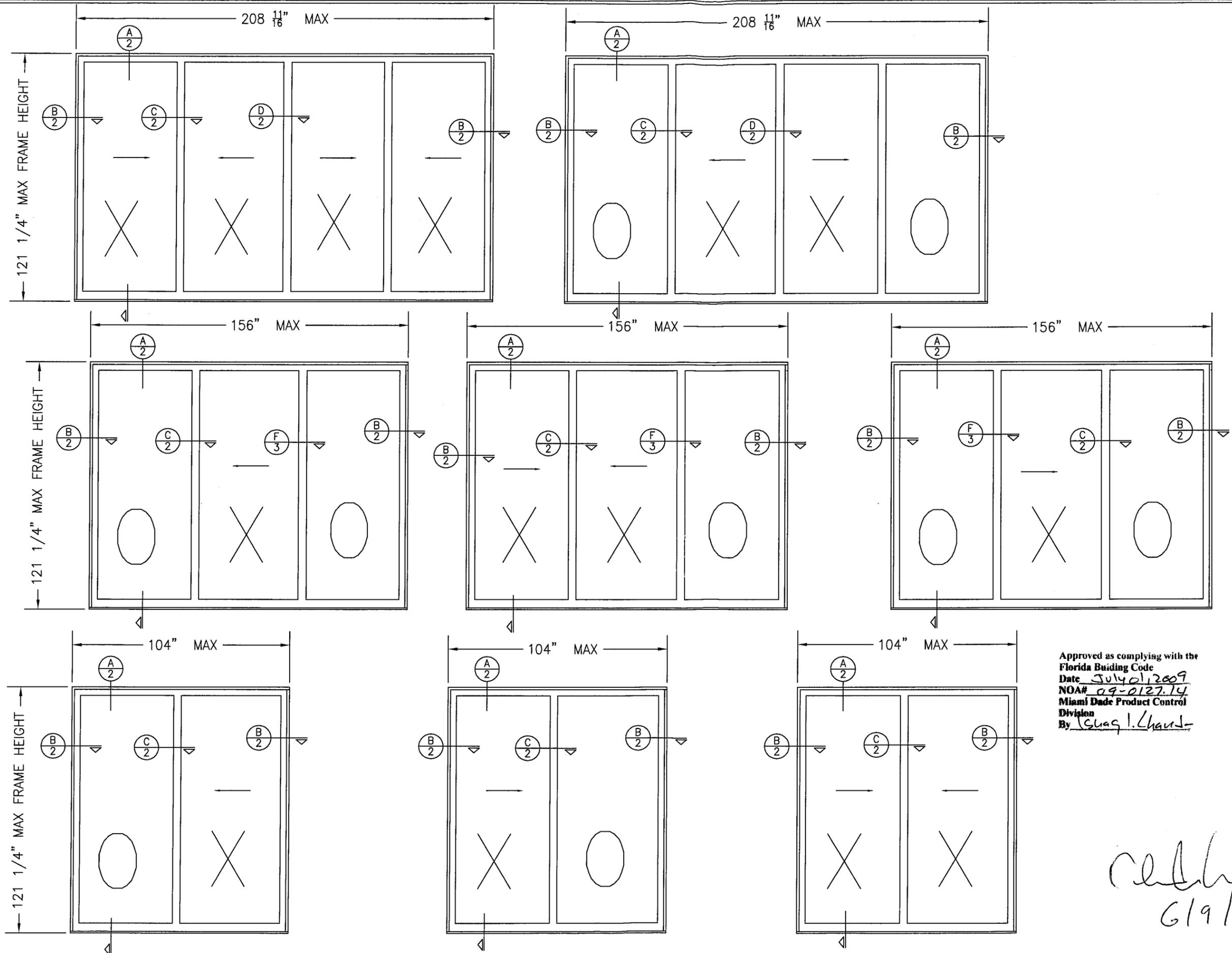
PART NO.	DESCRIPTION	LOCATION
WEATHERSTRIPPING & VINYL		
2-405-0	SCHLEGAL .270 WIDE POLY-BOND FINSEAL #PB-8425-2211-0	INSIDE AND OUTSIDE OF EACH DOOR PANEL TOP RAIL AGAINST FRAME HEAD SECTION.
2-402-0	SCHLEGAL .270 WIDE POLY-BOND WOOLPILE #PB-7525-6011-6	INSIDE AND OUTSIDE OF EACH DOOR PANEL BOTTOM RAIL AGAINST FRAME SILL SECTION.
2-407-0	SCHLEGAL .270 WIDE POLY-BOND FINSEAL #PB-7531-6011-2	INSIDE AND OUTSIDE OF THE JAMB AT THE FIXED PANEL LOCATION.
2-407-0	SCHLEGAL .270 WIDE POLY-BOND FINSEAL #PB-7531-6011-2	PANEL INTERLOCK RAILS.
2-407-0	SCHLEGAL .270 WIDE POLY-BOND FINSEAL #PB-7531-6011-2	MEETING STILE LOCATION.
2-222-0	CENTRAL PLASTICS CO. PVC BULB (EV-277)	PANEL INTERLOCK RAILS.
2-222-0	CENTRAL PLASTICS CO CO. PVC BULB (EV-277)	INSIDE AND OUTSIDE OF THE JAMB AT THE FIXED PANEL LOCATION.
2-222-0	CENTRAL PLASTICS CO CO. PVC BULB (EV-277)	MEETING STILE LOCATION.
2-270-0	CENTRAL PLASTICS CO. PVC (X-1842)	GLAZING VINYL.
HARDWARE		
3-310-0	ADJUSTABLE ROLLER ASSEMBLY INTL. IMPACT BUILDING PRODUCTS (IIBP)	2 @ EACH ROLLING PANEL.
2-322-0	DEADLOCK - #1847-02 SS	LOCKING RAIL OF MEETING PANELS.
2-351-0	ADAMS RITE MANUFACTURING COMPANY LOCK ESCUTCHEON - #4430 ADAMS RITE	LOCKING RAIL OF MEETING PANELS.
3-001-0	LOCK KEEPER - SS IIBP	MEETING RAIL.
3-008-0	TRACK RAIN PAN - IIBP	SILL TRACK
3-009-0	H.P. WEATHER TAB - IIBP	TOP OF INTERLOCK RAILS - EXTERIOR
FASTENERS		
2-025-0	NO. 10-24 X 1/4" PFH UC SMS	2" FROM ENDS & 14" O.C.
2-038-0	NO. 8-32 X 1 1/2" MS	6" FROM ENDS & 14" O.C.
2-060-0	NO. 8-32 X 5/8" ALUMINUM SEX BOLT	6" FROM ENDS & 14" O.C.
2-010-0	NO. 12 X 1 1/4" PPH SS SMS	1 PER DOOR ROLLER
2-040-0	NO. 8 X 1" SMS FH	2 PER 12" REINF. BAR
2-007-0	NO. 14 X 1 1/4" SMS PH	2 PER DOOR PANEL CORNER
2-019-0	NO. 8 X 1 1/2" SMS PH	3" FROM ENDS & 18" O.C.
2-069-0	NO. 8 X 1 1/4" SMS	3" FROM ENDS & 18" O.C.
2-027-0	NO. 10 X 1 1/4" MS TYPE "F" FH	6" FROM ENDS & 12" O.C.
2-042-0	NO. 8 X 3/4" SMS PH	6" FROM ENDS & 18" O.C.
2-022-0	NO. 10 X 1 1/4" SMS FH	6" FROM ENDS & 14" O.C.
2-027-0	NO. 10 X 1 1/4" MS TYPE "F" FH	9" FROM BOTTOM END (1 REQ'D)
EXTRUSIONS		
PDC-009	3-HEAD	HEAD TRAK
PDC-010	3-JAMB	FRAME JAMB
PDC-012	3-TRACK HI-RISE	SILL TRACK
PDC-085	4" HI-RISE ADAPTER	SILL TRACK
PDC-058	PANEL TOP RAIL	ALL PANELS
PDC-059	3 1/2" PANEL BOTTOM RAIL	ALL PANELS
PDC-041	SUPER HANRAIL	MEETING RAILS
PDC-060	TITAN DOOR SIDE RAIL	MEETING/LOCKING RAILS
PDC-061	TITAN INTERLOCK RAIL	PANEL INTERLOCK RAILS
PDC-002	DOOR ASTRAGAL	MEETING RAILS
PDC-022	SCREEN ASTRAGAL	MEETING RAILS
PDC-067	OXO ADAPTER	LOCKING RAIL AT OXO
REINFORCEMENTS		
PDC-093	5/8" x 1 1/2" 6063-T6 ALUMINUM (FULL LENGTH OF STILE)	MEETING STILES
PDC-092	1/4" x 1" x 12" LONG ALUMINUM BAR	TOP & BOTTOM OF ALL INTERLOCK RAIL CORNERS
PDC-062	TITAN INTERLOCK STIFFENER 6063-T6 (FULL LENGTH OF STILE - 9")	PANEL INTERLOCK RAILS



Approved as complying with the Florida Building Code
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 NOA# 09-0127.14
 Miami Dade Product Control Division
 By Ismael I. Chanda



DRAWN BY: R.L.R.	CHECKED BY: R.L.R.	DATE: 8/6/08	
PLOT: 1-32			
DATE	BY	REVISION DESCRIPTION	
5-20-09	RJR	CORRECTIONS PER MDAD	
1			
DRAWING TITLE: PLAZA TITAN 90 LARGE MISSILE IMPACT SLIDING GLASS DOORS MANUFACTURER: INTL. IMPACT BUILDING PRODUCTS, LLC. CONSULTANTS: CW Engineering, LLC 5900 AUSTRALIAN AVE. SUITE 300 WEST PALM BEACH, FL 33407 561-578-5450 22693 Ashley Inn Terrace Ashburn, VA 20148 PHONE: (703) 726-1670 FAX: (703) 842-8216			
CERTIFICATION CHARLES WILLIAMS, P.E. P.E. NO. 50567		DRAWING NO. REV. FBC08-1 B SHEET NO. 4 OF 5	



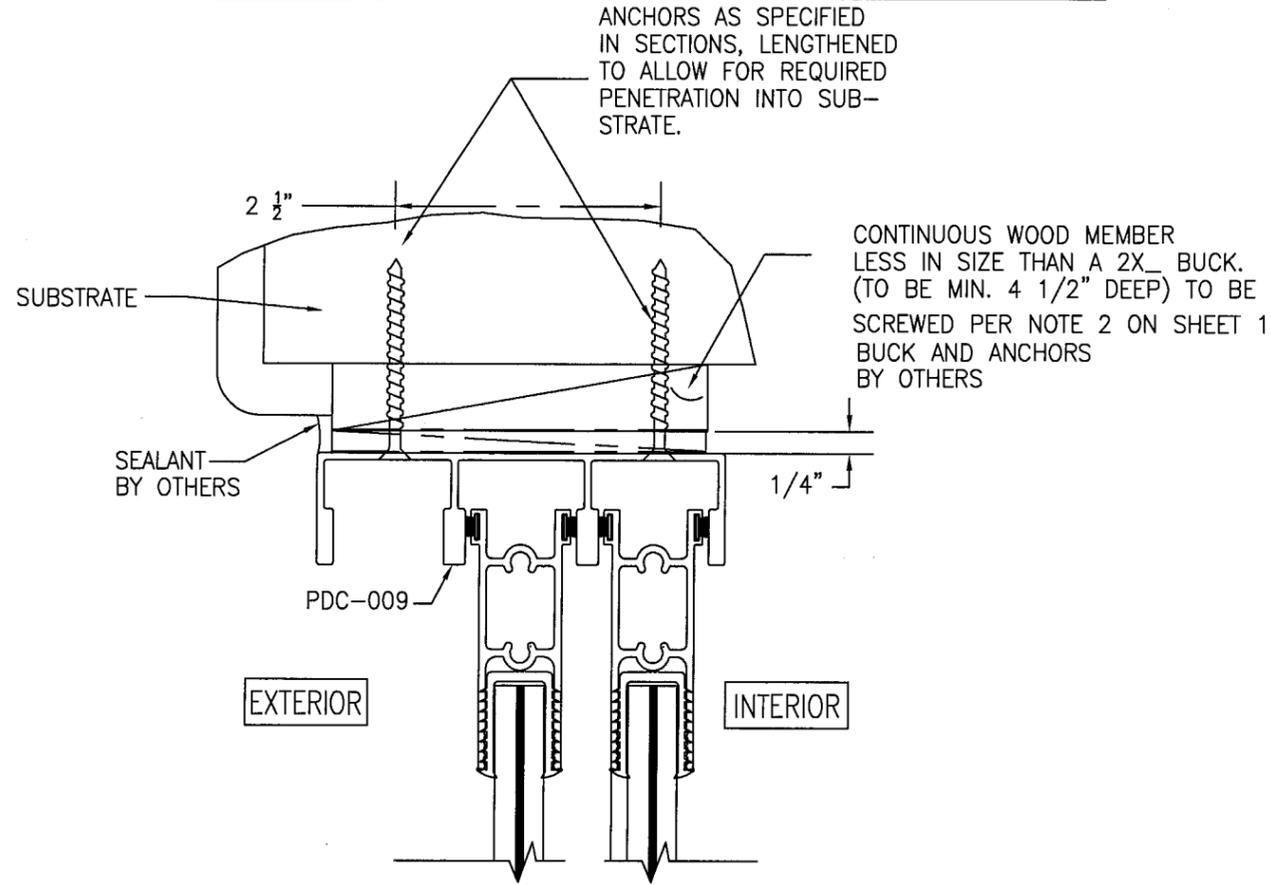
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 NOA# 09-0127.14
 Miami Dade Product Control
 Division
 By Guang. Chand

Charles Williams
 6/9/09

DRAWING TITLE		PLAZA TITAN 90 LARGE MISSILE IMPACT SLIDING GLASS DOORS	
CONSULTANTS		CW Engineering, LLC	
MANUFACTURER		INTL. IMPACT BUILDING PRODUCTS, LLC. dba. PLAZA DOOR 5900 AUSTRALIAN AVE. SUITE 300 WEST PALM BEACH, FL 33407 561-578-5450	
DRAWING NO.		FBC08-1	
REV.		B	
SHEET NO.		5 OF 5	
DRAWING BY:		R.L.R.	
CHECKED BY:		R.L.R.	
PLOT:		1-32	
DATE:		8/6/08	
NO.	REVISION DESCRIPTION	BY	DATE
1	CORRECTIONS PER MDAD	RLR	5-20-09
2	CORRECTIONS PER MDAD	RLR	6-08-09

CHARLES WILLIAMS, P.E.
 P.E. NO. 50367

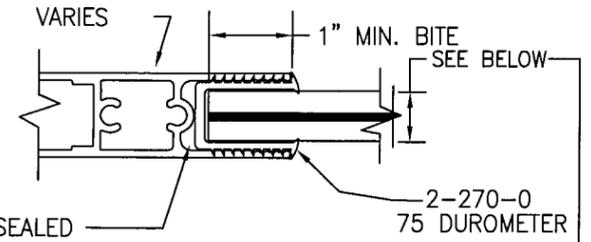
ALTERNATE ANCHORAGE CONDITIONS



ANCHORS AS SPECIFIED IN SECTIONS, LENGTHENED TO ALLOW FOR REQUIRED PENETRATION INTO SUBSTRATE.

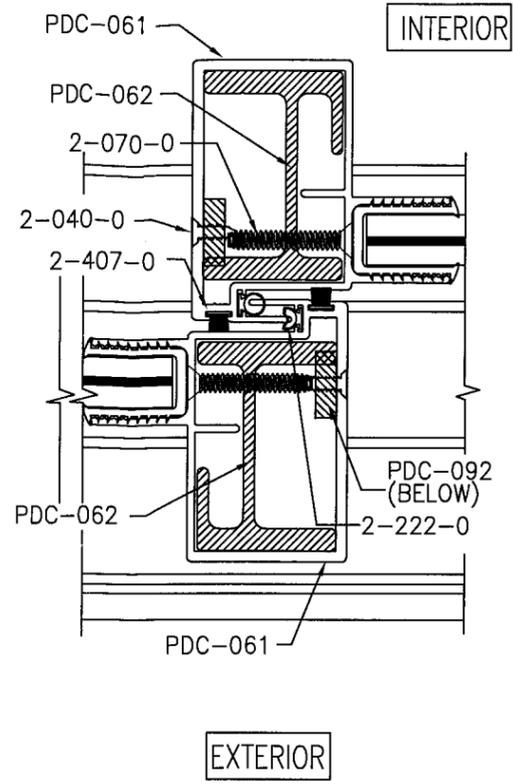
CONTINUOUS WOOD MEMBER LESS IN SIZE THAN A 2X BUCK. (TO BE MIN. 4 1/2" DEEP) TO BE SCREWED PER NOTE 2 ON SHEET 1 BUCK AND ANCHORS BY OTHERS

MOUNT DETAIL
WHEN SHIM SPACE EXCEED 1/4"
HEAD DETAIL SHOWN; SIDES SIMILAR
(SEE SECTIONS FOR DETAIL NOT SHOWN)

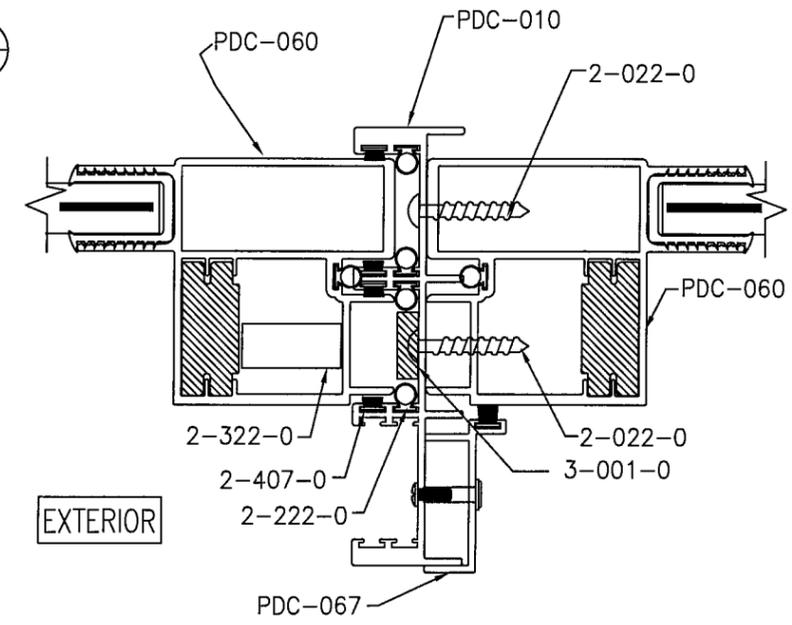


GASKET TO SEALED AT TOP JOINT AND CORNERS USING SONOBORN NP1 POLYURETHANE SEALANT

TYP. GLAZING DETAIL
GLAZING OPTION 1) 9/16" THICK LAMINATED GLASS (1/4" HS/.090 SGP/1/4" HS)



SECTION E
SCALE: 1/2 FULL



SECTION F
SCALE: 1/2 FULL
OXO DETAIL

Approved as complying with the Florida Building Code
Date July 01, 2009
NOA# 09-0127.14
Miami Dade Product Control Division
By Shaqi Chaudhry

Charles Williams
6/9/09

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PLOT: 1-32		DATE: 8/6/08	
NO.	REVISION DESCRIPTION	BY	DATE
1	CORRECTIONS PER MDAD	RLR	6-20-09
2	CORRECTIONS PER MDAD	RLR	6-08-09
3	CORRECTIONS PER MDAD	RLR	6-09-09
DRAWING TITLE PLAZA TITAN 90 LARGE MISSILE IMPACT SLIDING GLASS DOORS			
CONSULTANTS CW Engineering, LLC		MANUFACTURER INTL. IMPACT BUILDING PRODUCTS, LLC.	
22893 Ashley Inn Terrace Ashburn, VA 20148 PHONE:(703) 726-1670 FAX:(703) 842-8216		dba. PLAZA DOOR 5900 AUSTRALIAN AVE. SUITE 300 WEST PALM BEACH, FL 33407 561-578-5450	
CERTIFICATION CHARLES WILLIAMS, P.E. P.E. NO. 50367			
DRAWING NO. FBC08-1		REV. A	
SHEET NO. 3 OF 5			