



**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**

**NOTICE OF ACCEPTANCE (NOA)**

**Plaza Door Company, Inc.  
5900 Australian Ave.  
Mangonia Park, 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 the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "Titan IV" Aluminum Sliding Glass Door w/ reinforcements.

**APPROVAL DOCUMENT:** Drawing No. 03-109 R1, titled "Titan IV Series Aluminum Sliding Glass Door", sheets 1 through 4 of 4, dated 04-21-03 and last revised on Jan 28, 2004, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, 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

**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 E1, as well as approval document mentioned above.

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

8  
1/30/14



**NOA No 03-1105.04  
Expiration Date: February 19, 2009  
Approval Date: February 19, 2004  
Page 1**

**Plaza Door Company, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-109 R1**, titled "Titan IV Series Aluminum Sliding Glass Door", sheets 1 through 4 of 4, dated 04-21-03 and last revised on Jan 28, 2004, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, 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 TAS 202-94 & AAMA 1302.5  
along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1371**, dated August 21, 1996, signed and sealed by Gilbert Diamond, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, dated May 12, 2003 and last revised on January 28, 2004, prepared by EngCo. Inc., signed and sealed by Pedro De Figueiredo, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance and "No financial interest", dated May 13, 2003, signed and sealed by Pedro De Figueiredo, P.E.
2. Laboratory compliance statements, as part of the test report.

**G. OTHER**

1. None

*Ishaq I. Chanda*

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 03-1105.04

Expiration Date: February 19, 2009

Approval Date: February 19, 2004

**INDEX:**

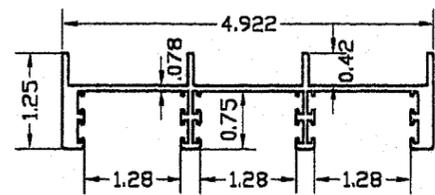
- SHEET 1 of 4 - GENERAL NOTES AND COMPONENTS
- SHEET 2 of 4 - ELEVATION AND DESIGN RATING
- SHEET 3 of 4 - SECTION DETAILS & FRAMING ANCHORAGE
- SHEET 4 of 4 - CORNER ASSEMBLY, GLASS DETAIL, HARDWARE, BILL OF MATERIAL

**GENERAL NOTES:**

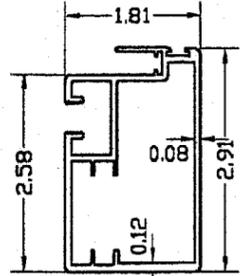
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) 2001 Ed. INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR NON IMPACT RESISTANT. (APPROVED HURRICANE SHUTTERS MUST BE INSTALLED IN ORDER TO COMPLY WITH IMPACT RESISTANT CRITERIA OF HVHZ AND OR WINDBORN DEBRIS PROTECTION AS APPLICABLE REQUIREMENTS PER FBC).
- 3- POSTING:
 

\*TITAN IV SERIES - NON IMPACT ALUMINUM SLIDING GLASS DOORS  
PLAZA DOOR COMPANY, INC  
WEST PALM BEACH - FLORIDA  
DADE COUNTY PRODUCT CONTROL APPROVED\*
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY AND GLAZING TO BE 3/16", 1/4" OR 5/16" FULLY TEMPERED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
  - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
  - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
  - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, EXCEPT WOOD SCREWS WITH 1.33 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- SEALANT: FIXED PANELS AND FRAMES CORNERS TO BE SEALED WITH SONNEBORN NP1 SEALANT.

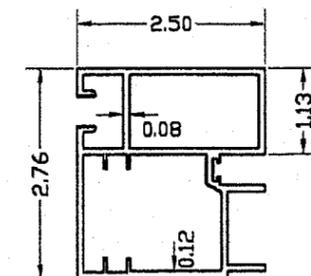
**DOOR COMPONENTS**



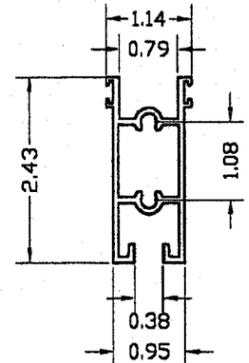
**PDC-010 THREE TRACK JAMB**  
ALLOY: 6063-T6



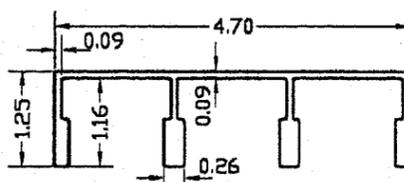
**PDC-072 INTERLOCK**  
ALLOY: 6063-T6



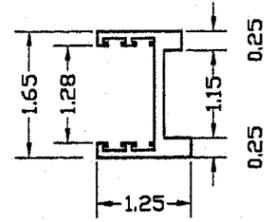
**PDC-066 MEETING RAIL**  
ALLOY: 6063-T6



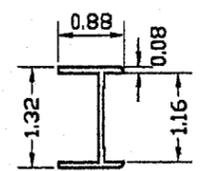
**PDC-016- TOP RAIL**  
ALLOY: 6063-T6



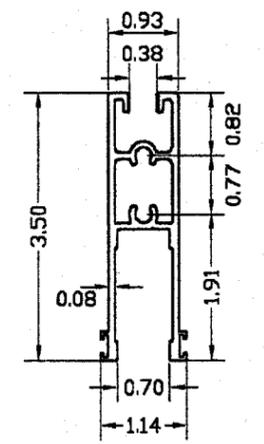
**PDC-009 THREE TRACK HEADER**  
ALLOY: 6063-T6



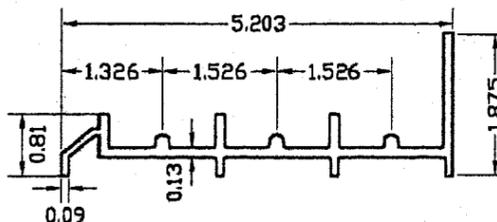
**PDC-002 ASTRAGAL**  
ALLOY: 6063-T6



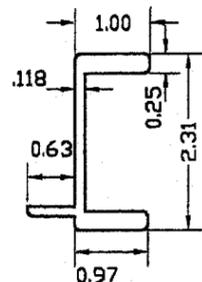
**PDC-022 SCREEN ASTRAGAL**  
ALLOY: 6063-T6



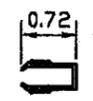
**PDC-082- BOTTOM RAIL**  
ALLOY: 6063-T6



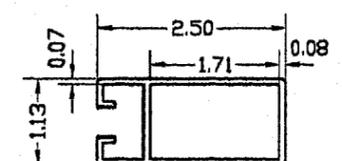
**PDC-012 THREE TRACK SILL**  
ALLOY: 6063-T5



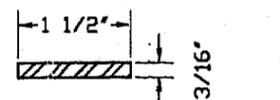
**PDC-073- REINFORCEMENT**  
ALLOY: 6061-T6  
LENGTH= FH-2 1/2"



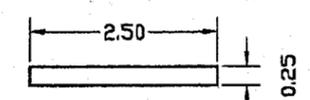
**2-251-0- GLASS GASKET**  
VV-1174 - 1/4" & 5/16" GLASS  
VV-1175 - 3/16" GLASS  
EXTRUDED VINYL MADE BY VIBORG VINYL CO., INC.



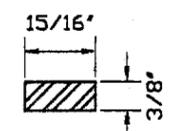
**PDC-015 DOOR END RAIL**  
ALLOY: 6063-T6



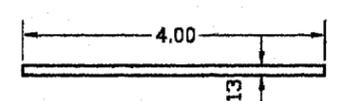
**STL1- 3/16 X 1 1/2' REINFORCEMENT**  
STEEL ASTM A36  
LENGTH= FH-17 1/8"



**AL1- 1/4 X 2 1/2' REINFORCEMENT**  
ALLOY: 6063-T6  
LENGTH= FH-1



**STL2- 3/8 X 15/16' REINFORCEMENT**  
STEEL ASTM A36  
TWO AT LENGTH= FH-1  
TWO AT LENGTH= FH-7



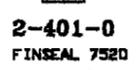
**PDC-065 SILL ADAPTOR**  
ALLOY: 6063-T6



**2-400-0**  
FINSEAL 7518



**2-249-0**  
PVC BULB



**2-401-0**  
FINSEAL 7520



**2-250-0**  
PVC BULB



**2-402-0**  
FINSEAL 7525



**2-403-0**  
FINSEAL 8416

DOOR ALLOWABLE DESIGNED PRESSURES	
SEE SHEET 2 OF 4 FOR PRESSURES	
3/16" TEMPERED GLASS - TABLE 3	
1/4" TEMPERED GLASS - TABLE 2	
5/16" TEMPERED GLASS - TABLE 1	
ALLOWABLE DESIGNED PRESSURES X SIZES.	

Approved as complying with the Florida Building Code  
Date: FEBRUARY 19, 2004  
NO. 03-1105-04  
Miami Dade Product Control Division  
By: Ishag I. Chanda

MANUFACTURER:  
**PLAZA DOOR CO., INC**  
5900 AUSTRALIAN AVE.  
SUITE #3  
WEST PALM BEACH  
FLORIDA, 33402  
PHONE: (561) 842-6551  
FAX: (561) 842-6541

PRODUCT:  
**Titan IV Series**  
ALUMINUM SLIDING  
GLASS DOOR

Engineering:  
**EngCo Inc.**  
CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL: (954) 585-0304

  
**JAN 28 2004**

Engineer Seal  
Pedro De Figueiredo  
PE 52609

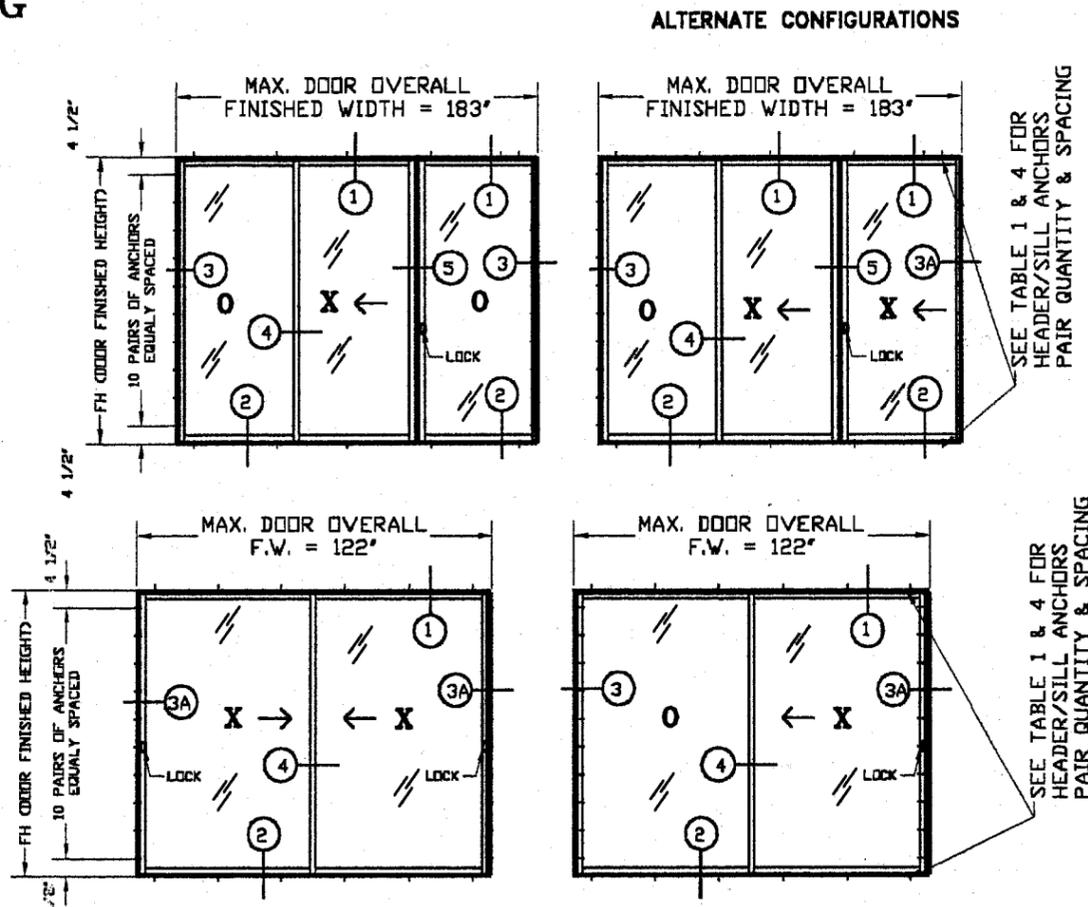
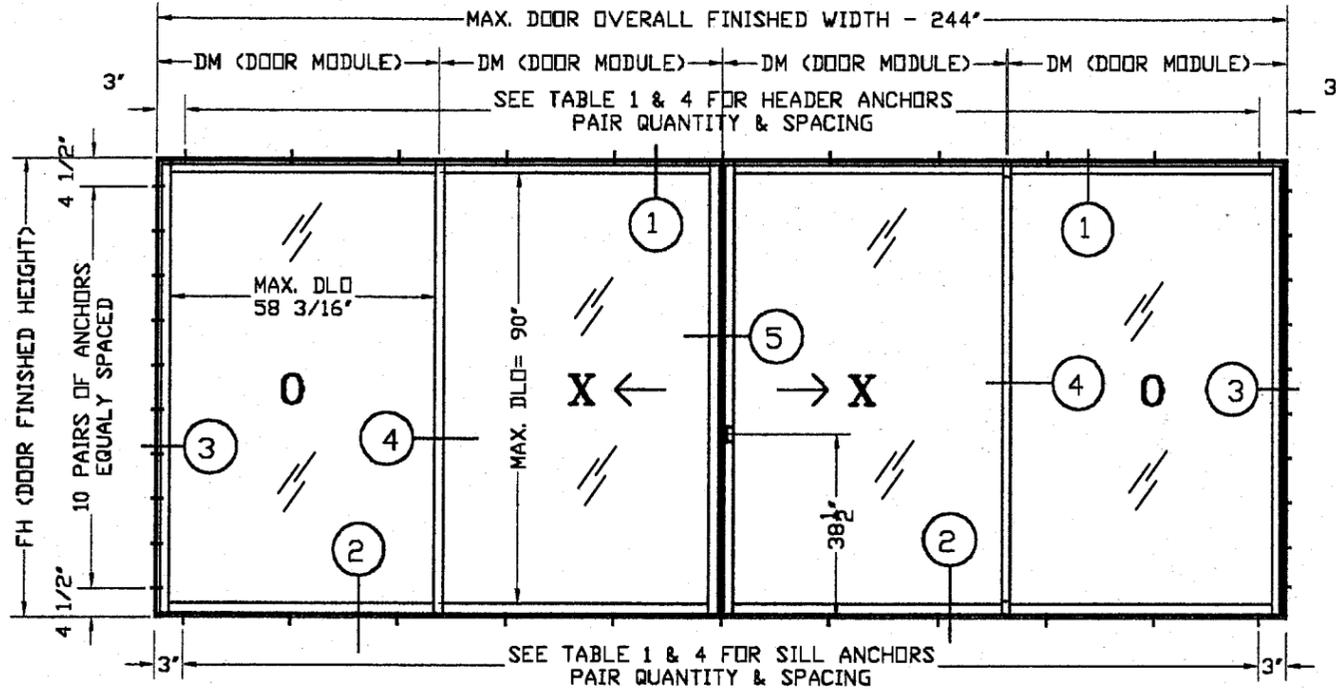
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Scale: NA  
Design by: PPMF

Revision:

Drawing Number  
**03-109R1**

Sheet  
1 of 4

# ELEVATIONS & DESIGN RATING

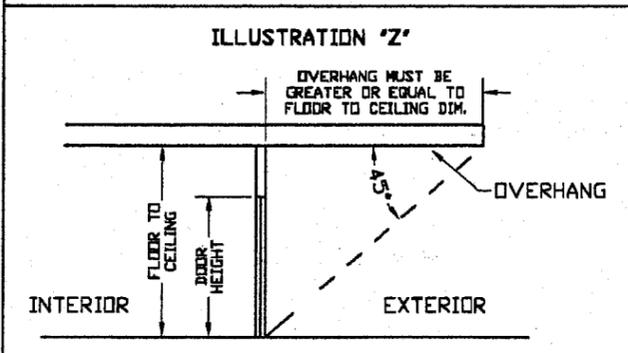


**TABLE 4 - HEADER/SILL ANCHOR (A OR B)  
MAXIMUM INCHES OC ANCHORS SPACING**

FH	DOOR MODULE (DM) (INCHES)			
	30	36	48	61
84	7-(5)	7-(6)	10-(7)	11-(9)
97	7-(5)	7-(6)	10-(7)	11-(9)

**NOTES:**  
1- A-(B): THE ABOVE TABLE VALUES A ARE FOR ANCHOR SPACING WHEN USING TYPE A ANCHORS INTO CONCRETE, (B) ARE FOR ANCHOR SPACING WHEN USING TYPE B ANCHORS INTO WOOD BUCK.  
2- MINIMUM EMBEDMENT ARE BEYOND WALL DRESSING.  
3- ANCHOR ARE BASED ON ALLOWABLE PRESSURES FROM TABLES 1 ON THIS SHEET.

POSITIVE PRESSURES CAN BE INCREASED UP TO CORRESPONDENT NEGATIVE PRESSURE FOR APPLICATIONS MEETING THE CRITERIA OF ILLUSTRATION 'Z' BELOW



**TABLE 1 - 5/16" TEMPERED GLASS  
ALLOWABLE DESIGNED PRESSURES (Psf) AND MINIMUM QUANTITY OF ANCHORS (IN PAIRS)**

FH	DP	DOOR MODULE WIDTH (DM) (INCHES)																										
		30				36				48				61														
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B											
84	+133	7	9	13	17	17	21	+133	7	9	14	18	19	24	+133	7	9	14	19	19	24	+133	8	10	16	20	20	26
	-210	7	9	13	17	17	21	-210	7	9	14	18	19	24	-170	7	9	14	19	19	24	-133	8	10	16	20	20	26
97	+133	7	9	13	17	17	21	+133	7	9	14	18	19	24	+133	7	9	14	19	19	24	+124	8	10	16	20	20	26
	-210	7	9	13	17	17	21	-193	7	9	14	18	19	24	-146	7	9	14	19	19	24	-124	8	10	16	20	20	26

**NOTES:**  
1- ANCHOR TYPES:  
A- 1/4" TAPCON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO 3350 PSI CONCRETE  
B- 1/4" TAPCON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO 2X PT WOOD (SG)=.55)  
2- SEE TABLE 4 FOR ANCHOR SPACING

**TABLE 3 - 3/16" TEMPERED GLASS  
ALLOWABLE DESIGNED PRESSURES (Psf)**

FH	DOOR MODULE WIDTH (DM) (INCHES)			
	30	36	48	61
84	-136, +133	±106	±100	±90
97	±125	± 93	± 81	±78

**NOTES:**  
1- USE TABLE 1 FOR ANCHOR TYPE AND QUANTITY

**TABLE 2 - 1/4" TEMPERED GLASS  
ALLOWABLE DESIGNED PRESSURES (Psf)**

FH	DOOR MODULE WIDTH (DM) (INCHES)			
	30	36	48	61
84	-197, +133	-146, +133	±120	±111
97	-184, +133	-130, +130	± 98	± 95

**NOTES:**  
1- USE TABLE 1 FOR ANCHOR TYPE AND QUANTITY

Approved as complying with the Florida Building Code  
Date: Feb 19, 2004  
NOA# 03-109-04  
Miami Dade Product Control Division  
By: [Signature]

**MANUFACTURER:**  
**PLAZA DOOR CO., INC**  
5900 AUSTRALIAN AVE.  
SUITE #3  
WEST PALM BEACH  
FLORIDA, 33402  
PHONE: (561) 842-6551  
FAX: (561) 842-6541

**PRODUCT:**  
**Titan IV Series**  
ALUMINUM SLIDING  
GLASS DOOR

**Engineering:**  
**EngCo Inc.**  
CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL: (954) 585-0304

[Signature]  
JAN 28 2004

Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 4/21/03  
Scale: NA  
Design by: PPMF

Revision:

Drawing Number  
03-109R1

Sheet  
2 of 4

# TYPICAL SECTION DETAILS

MANUFACTURER:  
**PLAZA DOOR  
 CO., INC**  
 5900 AUSTRALIAN AVE.  
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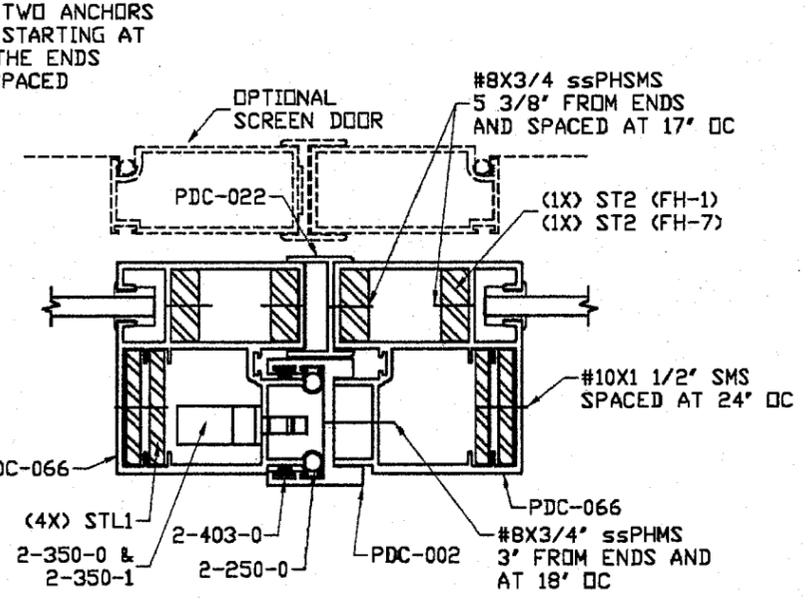
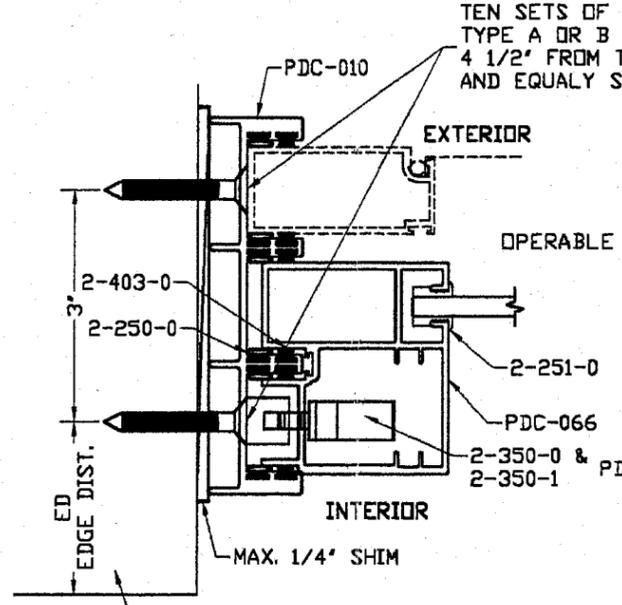
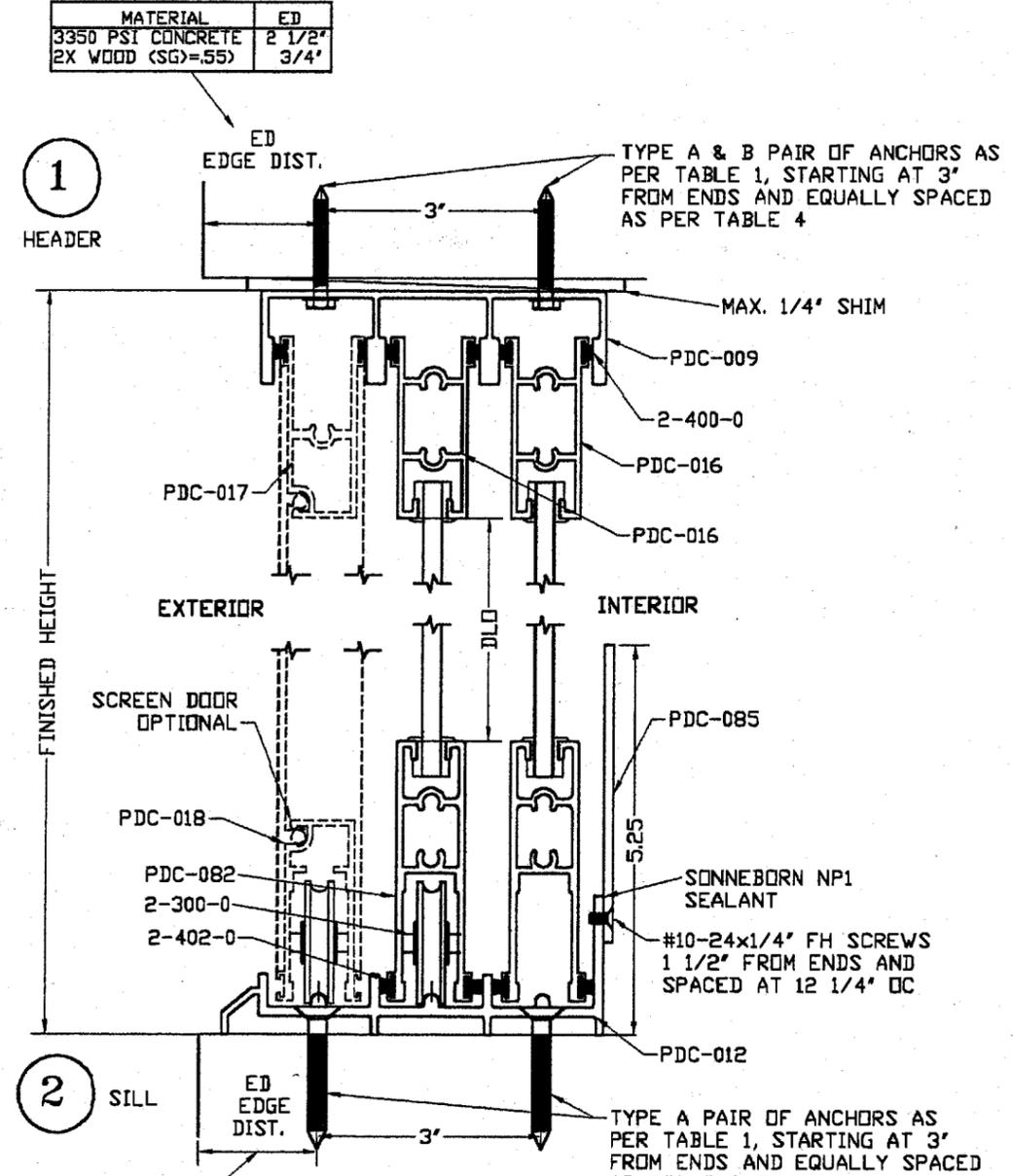
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Drawing Number  
 03-109R1

Sheet  
 3 of 4

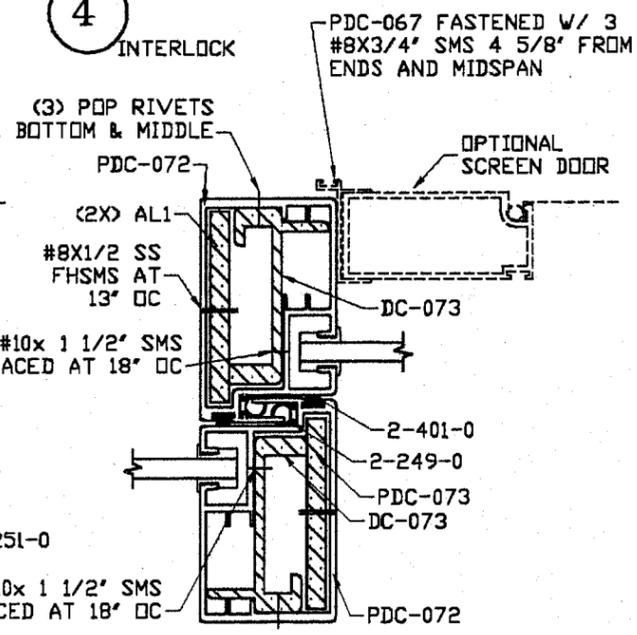
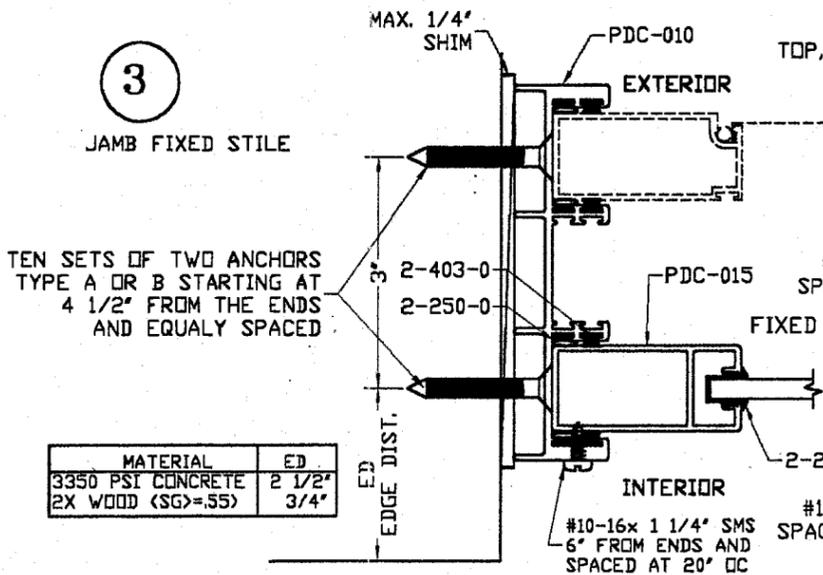
**3A** JAMB LOCK STILE

**5** MEETING STILE



**3** JAMB FIXED STILE

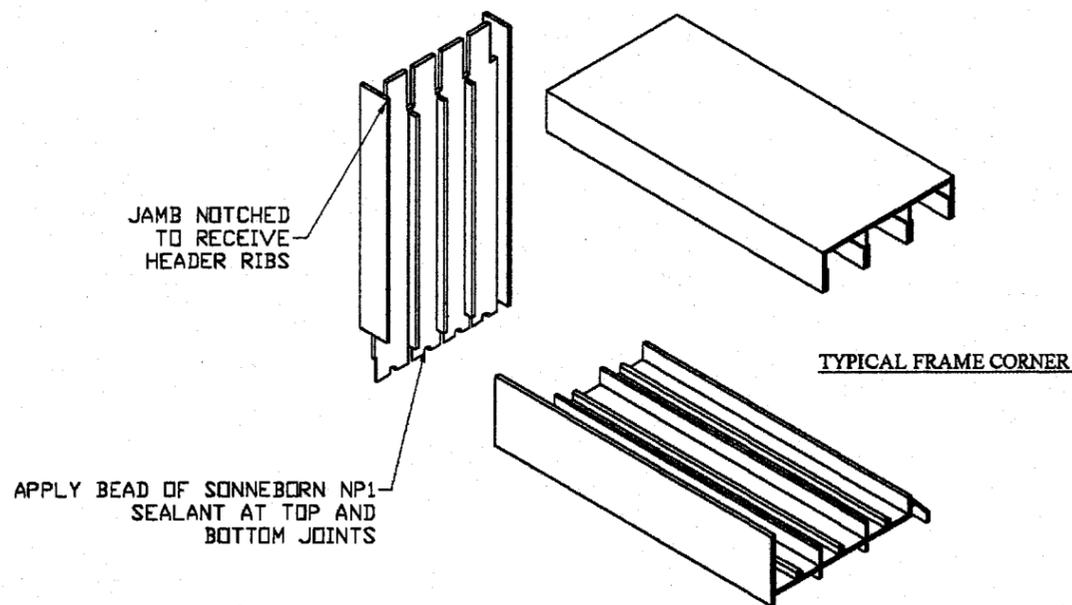
**4** INTERLOCK



ANCHOR TYPES:  
 A- 1/4" TAPCON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO 3350 psi CONCRETE  
 B- 1/4" TAPCON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO 2X PT WOOD (SG)=.55

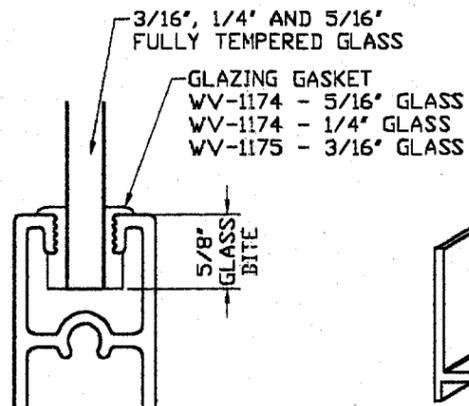
Approved as complying with the  
 Florida Building Code  
 Date FEB 19, 2004  
 NO. 03-1105.04  
 Miami Dade Product Control  
 Division  
 By Ishag I. Chanda

# FRAMING CORNER ASSEMBLY

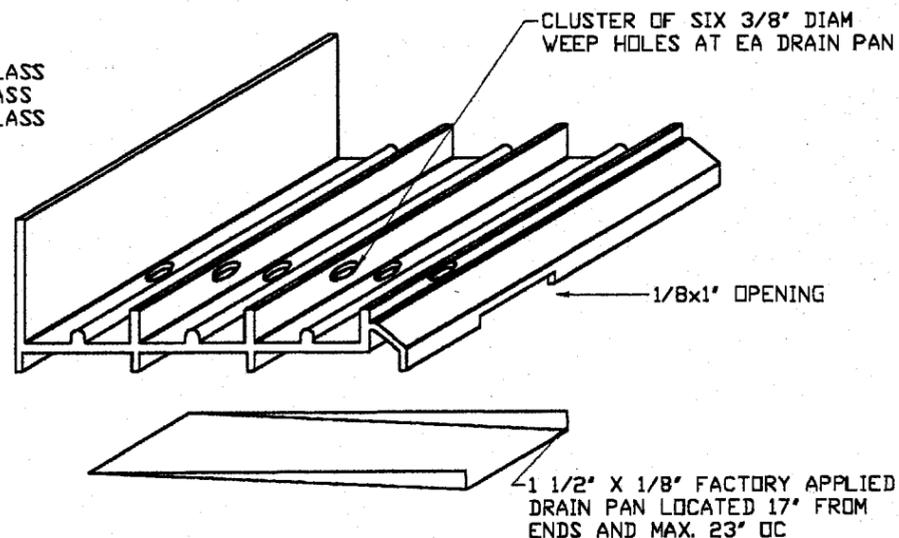


# GLAZING DETAIL

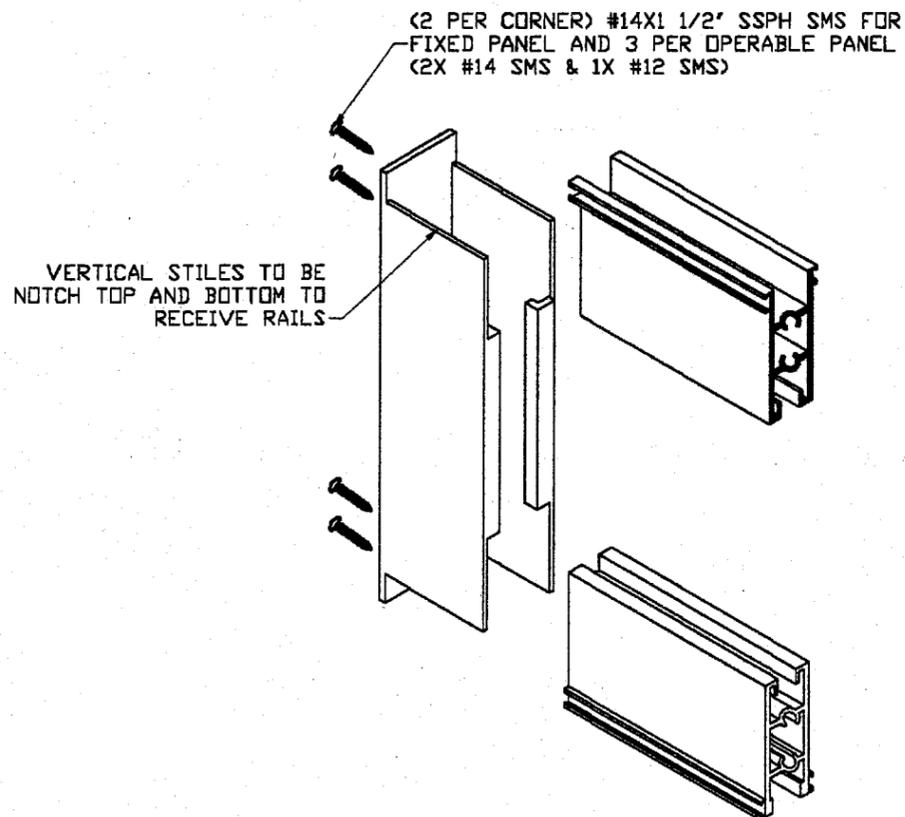
SEE DESIGNED PRESSURES TABLES 1, 2 OR 3 ON SHEET 2 OF 4



# SILL DRAINAGE



# DOOR CORNER ASSEMBLY



# BILL OF MATERIALS

#	DESCRIPTION	MATERIAL	SUPPLIER
1	PDC-009 FRAME HEAD	ALUMINUM 6063-T6	PLAZA DOOR
2	PDC-012 FRAME SILL	ALUMINUM 6063-T6	PLAZA DOOR
3	PDC-010 FRAME JAMB	ALUMINUM 6063-T6	PLAZA DOOR
4	PDC-016 DOOR TOP RAIL	ALUMINUM 6063-T6	PLAZA DOOR
4A	PDC-082 DOOR BOTTOM RAIL	ALUMINUM 6063-T6	PLAZA DOOR
5	PDC-072 TITAN INTERLOCK	ALUMINUM 6063-T6	PLAZA DOOR
6	PDC-002 APPLIED ASTRAGAL	ALUMINUM 6063-T6	PLAZA DOOR
7	PDC-015 FIXED LOCK STILE	ALUMINUM 6063-T6	PLAZA DOOR
8	PDC-022 ASTRAGAL ADAPTER	ALUMINUM 6063-T6	PLAZA DOOR
9	PDC-066 TITAN LOCK STILE	ALUMINUM 6063-T6	PLAZA DOOR
10	3/16", 1/4" OR 5/16" PANEL	TEMPERED GLASS	H. G. P.
11	2-251-0 GLAZING VINYL	EXTRUDED VINYL	VIBORG WV-1174/75
12	2-400-0 SCHLEGAL FINSEAL		SCHLEGAL 7518-270
13	2-401-0 SCHLEGAL FINSEAL		SCHLEGAL 7520-270
14	2-402-0 SCHLEGAL FINSEAL		SCHLEGAL 7525-270
15	2-403-0 SCHLEGAL FINSEAL		SCHLEGAL 8416-270
16	2-249-0 VINYL BULB		VIBORG WV-3180
17	2-250-0 VINYL BULB		VIBORG WV-3165
18	2-300-0 ADJUSTABLE ROLLER		SAUDER ENG. #P-13
19	2-350-0 DEADLOCK		ADAMS RITE 1847-02SS
20	2-351-0 LOCK EXTRUSION		ADAMS RITE 4430
21	3-001-0 LOCK KEEPER	STAINLESS STEEL	PLAZA DOOR
22	3-008-0 TRACK RAIN PAN	ALUMINUM	PLAZA DOOR
23	3-009-0 HP WEATHER TAB		PLAZA DOOR
24	PDC-073 INTERLOCK STIFFENER	ALUMINUM 6063-T6	PLAZA DOOR
25	PDC-017 SCREEN TOP RAIL	ALUMINUM 6063-T6	PLAZA DOOR
26	PDC-018 SCREEN BOTTOM RAIL	ALUMINUM 6063-T6	PLAZA DOOR
27	PDC-019 SCREEN END RAIL	ALUMINUM 6063-T6	PLAZA DOOR
28	PDC-022 SCREEN ASTRAGAL	ALUMINUM 6063-T6	PLAZA DOOR
29	PDC-085 HI-RISE ADAPTER	ALUMINUM 6063-T6	PLAZA DOOR
30	STL1 STEEL REINF. (FH-1)	A36 STEEL	PLAZA DOOR
31	AL1 ALUM. REINF. (FH-1)	ALUMINUM 6063-T6	PLAZA DOOR
33	STL2 STEEL REINF. (FH-7)	A36 STEEL	PLAZA DOOR

Approved as complying with the Florida Building Code  
Date FEBRUARY 19, 2004  
NOA# 03-1105.04  
Miami Dade Product Control Division  
By: Shag I. Chanda

MANUFACTURER:  
**PLAZA DOOR CO., INC**  
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PRODUCT:  
**Titan IV Series**  
ALUMINUM SLIDING GLASS DOOR

Engineering:  
**EngCo Inc.**  
CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL: (954) 585-0304

JAN 28 2004

Engineer Seal  
Padro De Figueiredo  
PE 52609

Date: 4/21/03  
Scale: NA  
Design by: PPMF

Revision:  
  
Drawing Number  
03-109R1

Sheet  
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