

**Plaza Door Co., Inc.**

ACCEPTANCE No.: 01-0717.06

APPROVED : \_\_\_\_\_

EXPIRES : \_\_\_\_\_

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This approves an aluminum sliding glass door as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

2.1 The Series "Atlas IV" Aluminum Sliding Glass Door and its components shall be constructed in strict compliance with the following document: Drawing No. A-1003, Sheets 1 thru 4 of 4, titled "Series: Atlas IV Alum. Sliding Glass Door - None Impact Door", prepared by Applied Engineering Concepts, Inc., dated 12/15/99, signed and sealed by K.A. Whitfield, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies to single unit applications only, as shown in approved drawings.  
3.2 Head receptor is not allowed to be used in this installation.

**4. INSTALLATION**

4.1 The aluminum sliding glass door and its components shall be constructed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

**5. LABELING**

5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by two copies of the following:  
6.1.1 This Notice of Acceptance.  
6.1.2 Duplicate copies of the approved drawings, as identified in section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.  
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

\_\_\_\_\_  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

Plaza Door Co., Inc.

ACCEPTANCE No.: 01-0717.06

APPROVED : \_\_\_\_\_

EXPIRES : \_\_\_\_\_

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process.
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

\_\_\_\_\_  
Manuel Perez, P.E., Product Control Examiner  
Product Control Division

Plaza Door Co., Inc.

ACCEPTANCE No.: 01-0717.06

APPROVED : \_\_\_\_\_

EXPIRES : \_\_\_\_\_

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **A-1003**, Sheet 1 thru 4 of 4, titled "Series: Atlas IV Alum. Sliding Glass Door - None Impact Door", prepared by Applied Engineering Concepts, Inc., dated 12/15/99, signed and sealed by K.A. Whitfield, P.E.

**B. TESTS**

1. Test reports on
  - 1) Air Infiltration Test, per SFBC, PA 202-94.
  - 2) Uniform Load Static Air Pressure Test, per SFBC, PA 202-94.
  - 3) Water Resistance Test, per SFBC, PA 202-94.
  - 4) Forced Entry Resistance Test, per AAMA 1302.5-76.along with the manufacturer's parts and section drawings of a 15'5" x 8' 1-1/4", XXO aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-1159**, dated April 28, 1995, signed and sealed by Yamil Gerado Kuri, P.E.

**C. CALCULATIONS**

1. Comparative analysis and anchor calculations prepared by: Applied Engineering Concepts, Inc., dated 2/18/97 signed and sealed by Kelvyn Whitfield, P.E.

**D. MATERIAL CERTIFICATION**

1. None

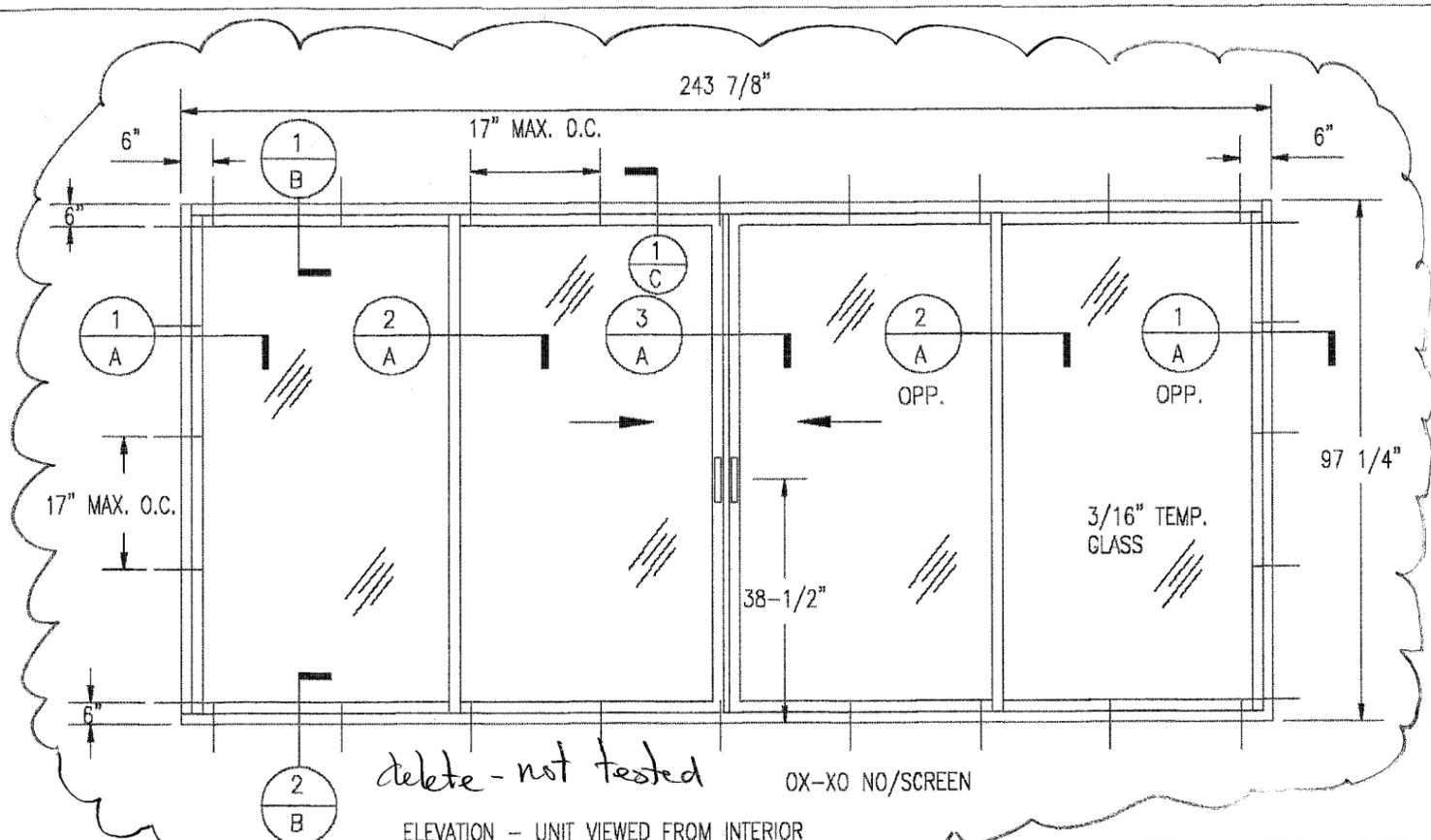
**E. STATEMENTS**

1. Conformance letter dated on 2/19/97, issued by Applied Engineering Concepts, Inc., signed and sealed by Kelvyn Whitfield, P.E.
2. "No financial Interest" letter, dated on 2/19/97, issued by Applied Engineering Concepts, Inc., signed and sealed by Kelvyn Whitfield, P.E.

**F. OTHERS**

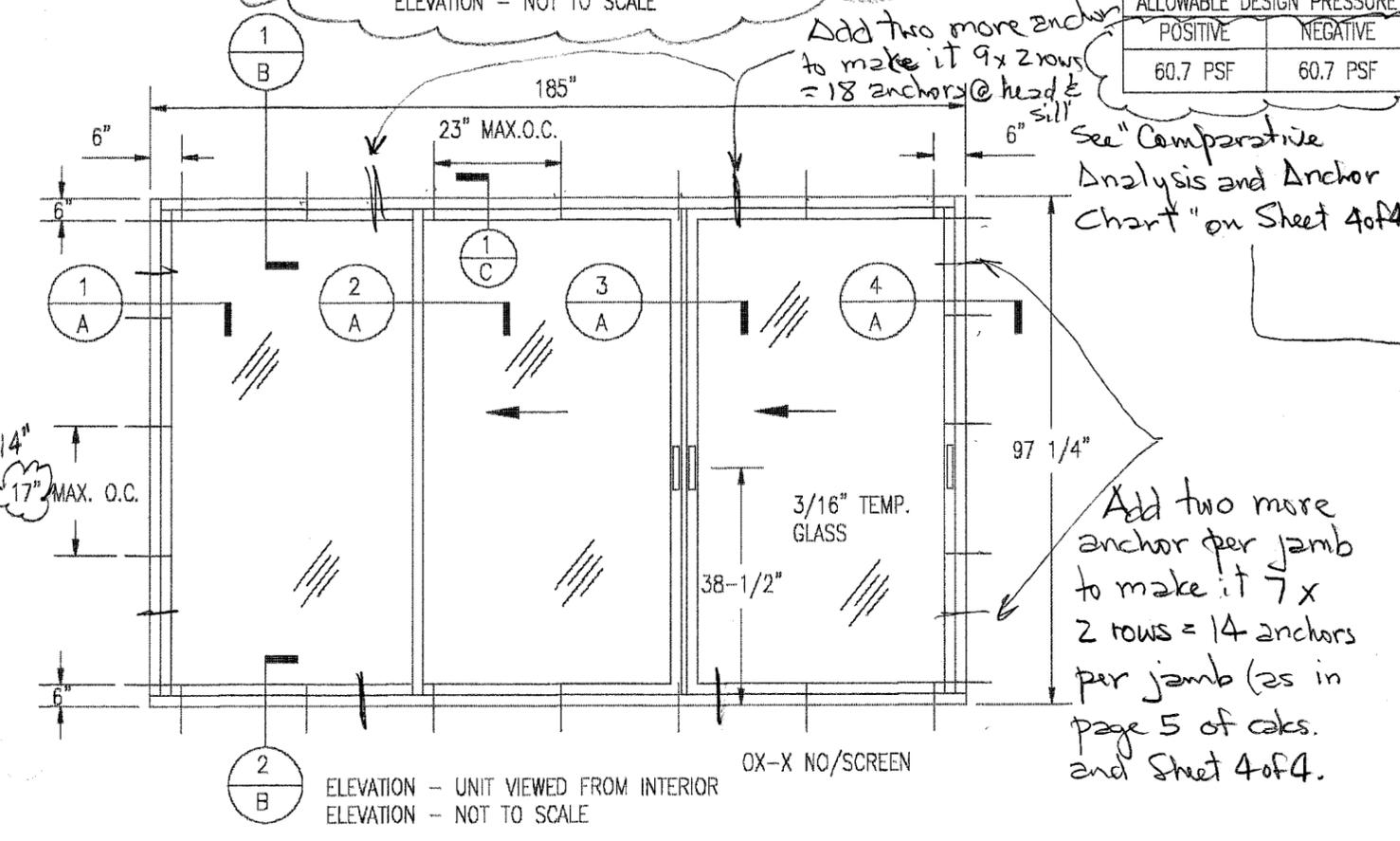
1. None

\_\_\_\_\_  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division



delete - not tested OX-XO NO/SCREEN

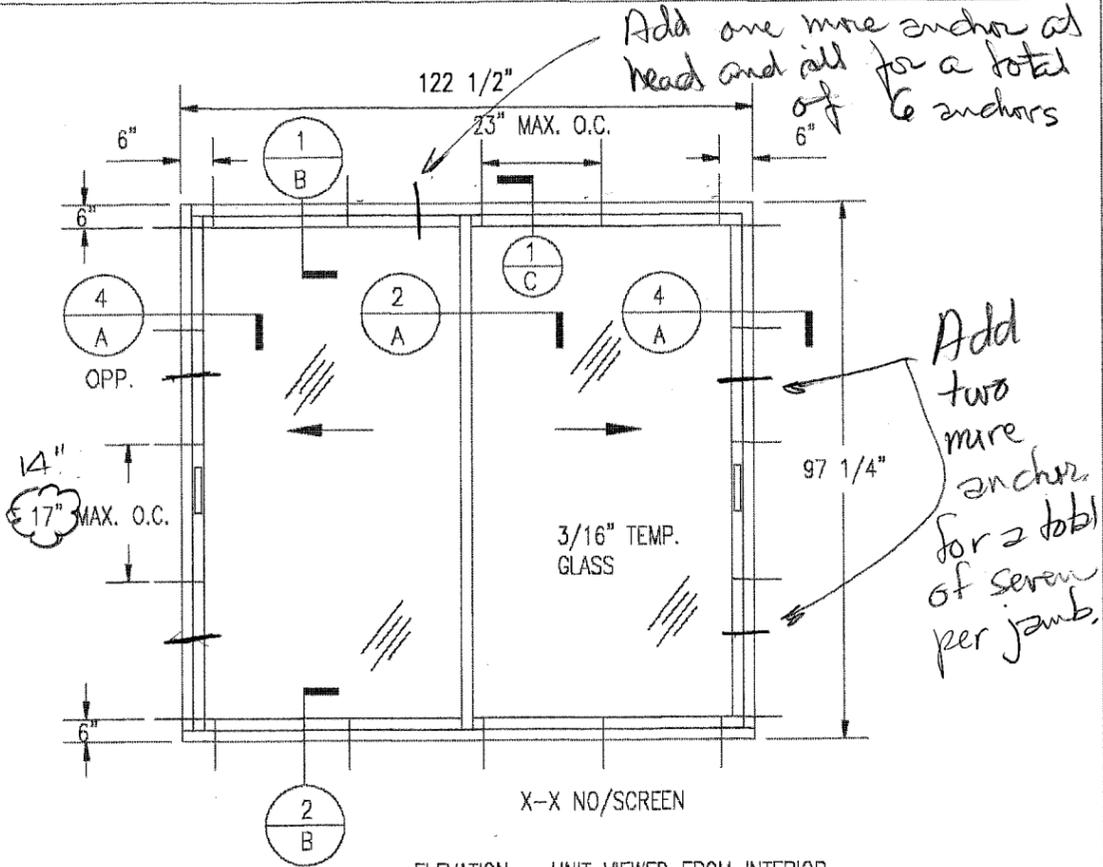
ELEVATION - UNIT VIEWED FROM INTERIOR  
ELEVATION - NOT TO SCALE



ELEVATION - UNIT VIEWED FROM INTERIOR  
ELEVATION - NOT TO SCALE

OX-X NO/SCREEN

ALLOWABLE DESIGN PRESSURE	
POSITIVE	NEGATIVE
60.7 PSF	60.7 PSF



ELEVATION - UNIT VIEWED FROM INTERIOR  
ELEVATION - NOT TO SCALE

X-X NO/SCREEN

NONE IMPACT PRODUCT

GENERAL NOTES

1. THIS SLIDING GLASS DOOR SYSTEM HAS BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED 91.0 PSF±
2. WOOD BUCKS BY OTHER, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED AND SPACING AS SHOWN ON DETAILS.
4. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
5. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR & UNIFORM STATIC AIR PRESSURE TESTING IN ACCORDANCE WITH DADE COUNTY PROTOCOL PA 202, ANSI-AAMA 101-93 & AAMA 1303.5-1976
6. ALL JAMB/TRACK TO BUCKING FASTENERS MUST PENETRATE THE BUCK A MINIMUM OF 1-1/4", IF PENETRATION IS LESS THEN 1-1/4" SCREW LENGTH SHALL INCREASE AS REQUIRED.

*[Signature]*  
5/19/00

APPLIED ENGINEERING CONCEPTS, INC.  
P.O. BOX 12-6403  
HIALEAH, FL. 33012  
TEL. (305) 820-0550

SERIES: ATLAS IV ALUM. SLIDING GLASS DOOR  
NONE IMPACT DOOR

PLAZA DOOR CO. INC.  
P.O. BOX 02304  
WEST PALM BEACH, FL. 33402  
PHONE: (561) 833-1017

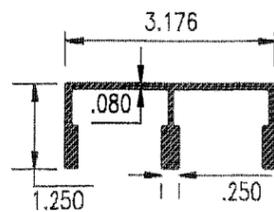
NO.	DATE	REVISIONS DESCRIPTION

DATE: 12/15/99  
SCALE: FULL SCALE  
DWG. BY: J.S.  
CHK. BY:  
JOB NO.: 97-0205  
SHEET 1 OF 4  
DWG. NO.: A-1003

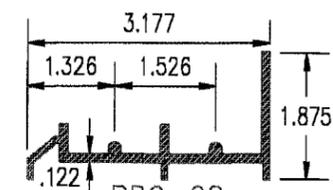
2-400-0  
FINSEAL 7500  
SCALE = N.T.

2-402-0  
FINSEAL 7500  
SCALE = N.T.

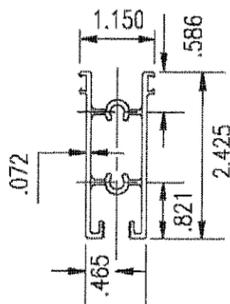
2-251-0  
GLASS GASKET



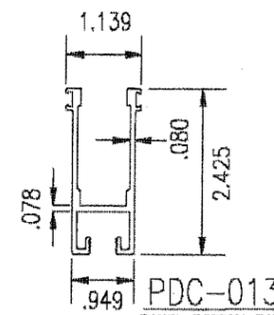
PDC-05  
TWO HEAD  
6063-T6  
SCALE = 1/2 FULL SIZE



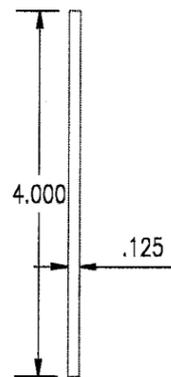
PDC-08  
TWO TRACK  
6063-T6  
SCALE = 1/2 FULL SIZE



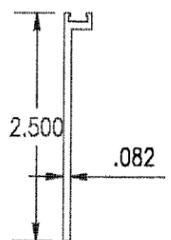
PDC-016  
PANEL TOP RAIL  
(6063-T6)  
SCALE = 1/2 FULL SIZE



PDC-013  
PANEL BOTTOM RAIL  
(6063-T6)  
SCALE = 1/2 FULL SIZE

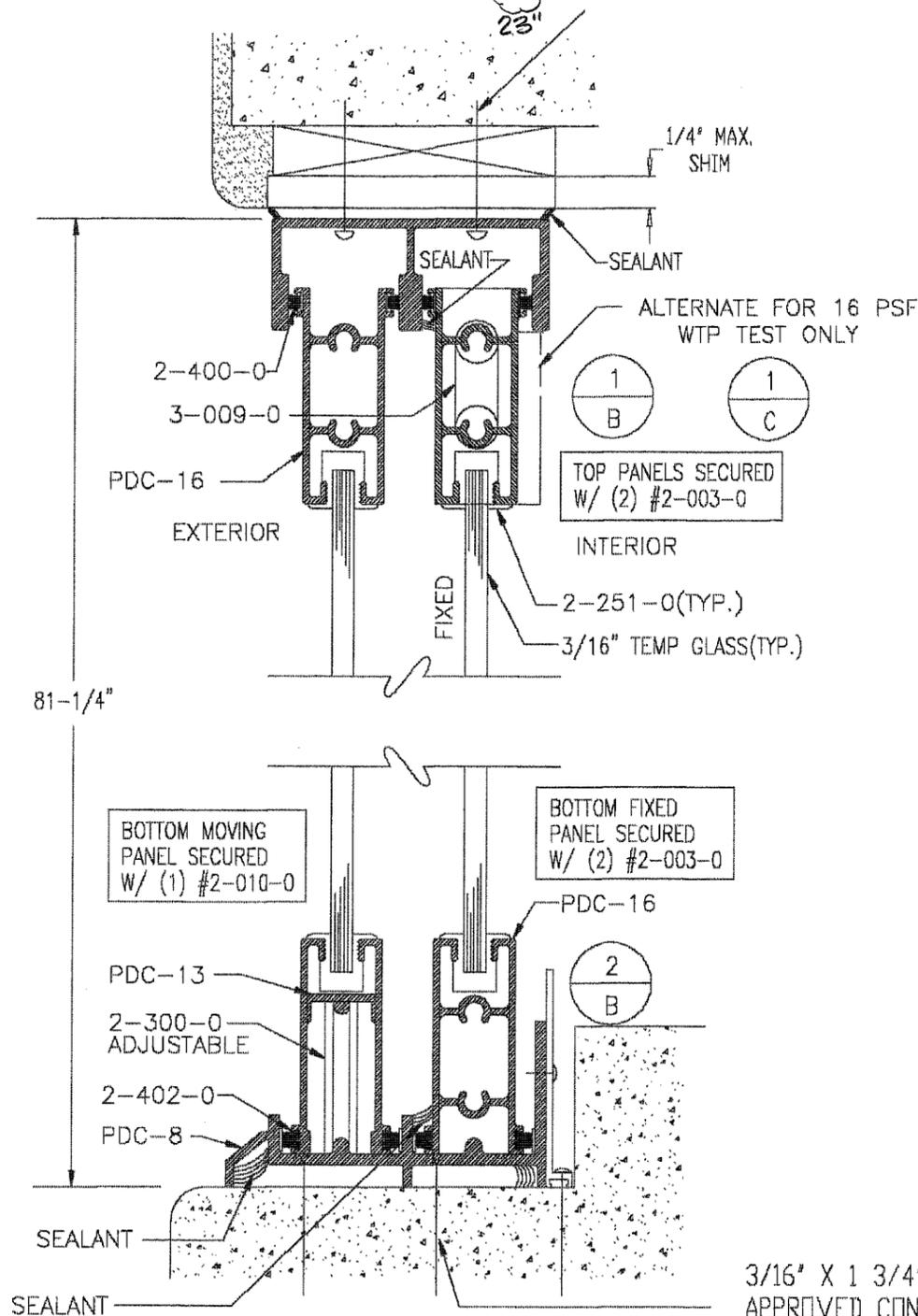


PDC-085  
4" HI-RISE PLATE  
(6063-T6)



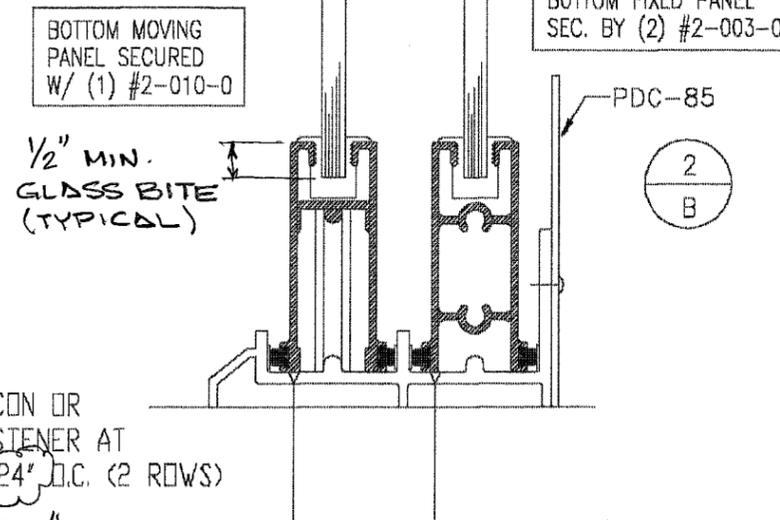
PDC-029  
2-1/2" ADAPTER  
(6063-T6)

#10 X 1 1/2" PH-SMS INTO 2 X BUCK OR  
3/16"-1 3/4" TAPCON THRU 1 X BUCK WITH  
A MIN. EMBEDMENT OF 1 1/4" INTO MASONRY  
AT 6" FROM EACH END & 24" O.C. ( 2 ROWS )



3/16" X 1 3/4" TAPCON OR  
APPROVED CONC. FASTENER AT  
6" FROM EA. END & 24" O.C. ( 2 ROWS )

ITEM NO.	PART NO.	REQ'D	PART NAME	REMARKS
1	PDC-005	1	FRAME HEAD	
2	PDC-008	1	FRAME SILL	
3	PDC-006	2	FRAME JAMB	
4	PDC-015	4	LOCK STILE	
5	PDC-016	3	DOOR TOP RAIL	
6	PDC-013	3	DOOR BOTTOM RAIL	
7	PDC-014	2	DOOR INTERLOCK	
8	PDC-002	1	APPLIED ASTRAGAL STILE	
9	PDC-025	2	HANNERAIL STIFFENER	INTERLOCK & MEETING RAIL
10	PDC-029	1	2-1/2" ADAPTER PLATE	2-1/2" HI-RISE FIN
11	PDC-085	1	4" x 1/8" ALUMINUM PLATE	4" HI-RISE FIN
12		1x	PANEL 3/16" TEMPER GLASS	H.G.P.
13	2-251-0	AS REQ'D	GLAZING VINYL	WIBORG VINYL CO. (WV-1175)
14	2-400-0	AS REQ'D	SCHLEGAL FINSEAL	7500 SERIES (pb-7518-270)
15	2-401-0	AS REQ'D	SCHLEGAL FINSEAL	7500 SERIES (pb-7520-270)
16	2-402-0	AS REQ'D	SCHLEGAL FINSEAL	7500 SERIES (pb-7525-270)
17	2-403-0	AS REQ'D	SCHLEGAL FINSEAL	8400 SERIES pb-8416-270)
18	2-249-0	AS REQ'D	VINYL BULB	WIBORG VINYL (WV-3180)
19	2-250-0	AS REQ'D	VINYL BULB	WIBORG VINYL (WV-3165)
20	2-300-0	4	ADJUSTABLE ROLLER ASSY.	SAUNDER ENG. #p-13
21	2-350-0	AS REQ'D	DEDALOCK-# 1847-09 SS	ADAMS RITE MFG.
22	2-351-0	AS REQ'D	LOCK ESCUTCHEON-# 4430	ADAMS RITE MFG.
23	3-001-0	AS REQ'D	LOCK KEEPER-SS	PLAZA DOOR CO. INC.
24	3-008-0	AS REQ'D	TRACK RAIN PAN	PLAZA DOOR CO. INC.
25	3-009-0	AS REQ'D	H.P. WEATHER TAB	PLAZA DOOR CO. INC.
26	2-019-0	AS REQ'D	#10x1 1/2" FH SS SMS	FRAME SILL ANCHORS
27	2-022-0	AS REQ'D	#10x1 1/4" PH SS SMS	FRAME HEAD&JAMBS ANCHORS
28	2-003-0	AS REQ'D	#14x1" PH SS SMS	PANEL ASSY. TOP&BOT.
29	2-010-0	AS REQ'D	#12x1 1/4" PH SS SMS	ROLLER ASSY.
30	2-040-0	AS REQ'D	#8x3/4" PH SS SMS	FIXED PANEL/JAMB ANCHOR
31	2-069-0	AS REQ'D	#8x1 1/4" PH SS SMS	ASTRAGAL/KEEPER ATTACH
32	2-090-0	AS REQ'D	#10-24 x 1/4" FH SS SMS	ATTACH HI-RISE FIN TO TRACK



ALTERNATE SILL FOR 16 PSF WTP TEST

*Handwritten signature and date: 5/19/00*

APPLIED ENGINEERING CONCEPTS, INC.  
P.O. BOX 12-6403  
HIALEAH, FL. 33012  
TEL. (305) 820-0550

SERIES: ATLAS 3X ALUM. SLIDING GLASS DOOR  
NONE IMPACT DOOR

PLAZA DOOR CO. INC.  
P.O. BOX 02304  
WEST PALM BEACH, FL. 33402  
PHONE: (561) 833-1017

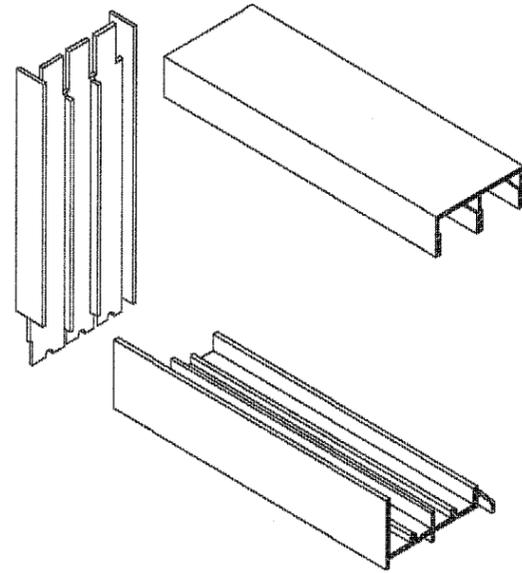
NO.	DATE	REVISIONS DESCRIPTION

DATE: 12/15/99  
SCALE: FULL SCALE  
DWG. BY: J.S.  
CHK. BY:  
JOB NO.: 97-0205  
SHEET 2 OF 4  
DWG. NO.: A-1003

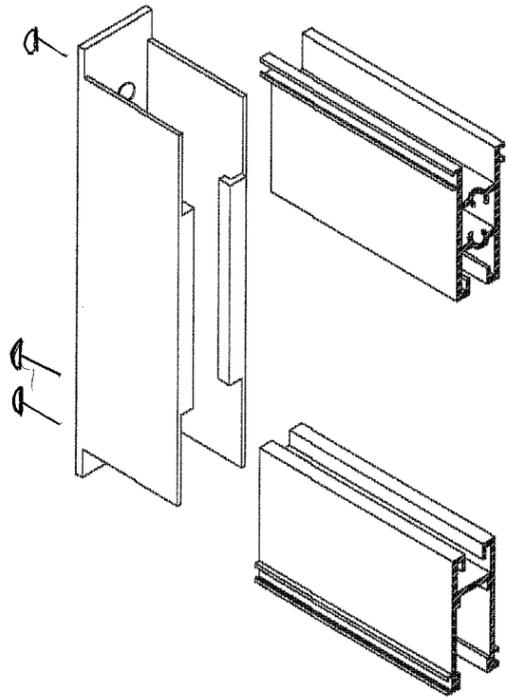


## Comparative Analysis and Anchor Chart

Based on FTL # 1159 - Unit B  
(For reinforcement see test report)



TYPICAL FRAME CORNER



TYPICAL DOOR CORNER

Panel Size inches	Design psf		No. of Anchor Screws in Frame		
			Head and Sill		Jamb
Width/Height	External	Internal	OX / XO	OXX / XXO	ALL
30 x 80 1/4	70.0	122.7	8	10	12
36 x 80 1/4	70.0	107.2	8	12	12
48 x 80 1/4	70.0	89	10	14	12
60 x 80 1/4	70.0	79.7	12	18	12
30 x 96	70.0	98.8	8	10	14
36 x 96	70.0	85.5	8	12	14
48 x 96	69.5	69.5	10	14	14
60 x 96	60.7	60.7	12	18	14

**Notes:**

1. Positive Design Pressure limited by water infiltration test at 10.5 psf
2. Number of anchors calculated not to exceed average spacing on test unit.
3. Calculations are based on nominal panel width and actual panel height.

*W. M. ...*  
5/19/00

**APPLIED ENGINEERING CONCEPTS, INC.**  
P.O. BOX 12-6403  
HIALEAH, FL. 33012  
TEL. (305) 820-0550

SERIES: ATLAS IX ALUM. SLIDING GLASS DOOR  
NONE IMPACT DOOR

**PLAZA DOOR CO. INC.**  
P.O. BOX 02304  
WEST PALM BEACH, FL. 33402  
PHONE: (561) 833-1017

NO.	DATE	DESCRIPTION

DATE: 12/15/99  
SCALE: FULL SCALE  
DWG. BY: J.S.  
CHK. BY:  
JOB NO.: 97-0205  
SHEET 4 OF 4  
DWG. NO.: A-1003