



**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Engineered Glass Systems, Inc.**  
**3133 S.W. 25th Street**  
**Pembroke Pines ,FL 33009-3071**

**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

**Series 4750 Flush Glazed Aluminum Storefront System - Impact.**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-1114.10**

**EXPIRES: 01/05/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 03/01/2001**



**Engineered Glass Systems, Inc.**

**ACCEPTANCE No.:** 00-1114.10

**APPROVED** : MAR 0 1 2001

**EXPIRES** : January 5, 2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This **renews** the Notice of Acceptance No. 97-0131.02, which was issued on January 05, 1998. It approves an aluminum Window wall system 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 4750 Flush Glazed Aluminum Storefront System – Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **4750**, titled "Series 4750 Impact Storefront System", Sheets 1 thru 3 of 3, dated 10/20/97, and revised on 02/08/01, signed and sealed by William M. Meyers, 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 multiple unit applications of an aluminum storefront system, limited only to the maximum height (span) and mullion spacing; for the Design Pressure Rating shown approved drawing.

**4. INSTALLATION**

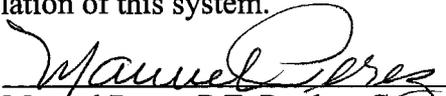
- 4.1 The aluminum storefront system and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protection system.

**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 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

**Engineered Glass Systems, Inc.**

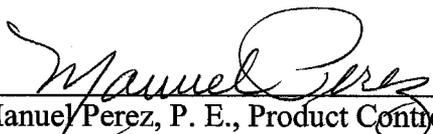
**ACCEPTANCE No.: 00-1114.10**

**APPROVED : MAR 0 1 2001**

**EXPIRES : January 5, 2006**

**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 purpose.
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 need 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.

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

**END OF THIS ACCEPTANCE**

Engineered Glass Systems, Inc.

ACCEPTANCE No.: 00-1114.10

APPROVED : MAR 0 1 2001

EXPIRES : January 5, 2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

*(For File ONLY. Not part of NOA.)*

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **4750**, titled "Series 4750 Impact Storefront System", Sheets 1 thru 3 of 3, dated 10/20/97, , and revised on 02/08/01, signed and sealed by William M. Meyers, P.E.

**B. TESTS**

1. Test reports on
  - 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Large Missile Impact Test, SFBC PA 201-94
  - 5) Cyclic Loading Test, per SFBC PA 203-94along with installation diagram of an aluminum flush glazed storefront system 148" high x 58.5" mullion spacing with steel reinforcement, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1460**, dated Sept 5, 1996, signed and sealed by Gilbert Diamond, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and Structural Analysis, prepared by Robt. E. Fisher -WM M. Meyer, P.E., dated 04/13/96 and 06/18/96, revised on 10/29/97 and 12/29/97, signed and sealed by William M. Meyers, P.E.

**D. MATERIAL CERTIFICATIONS**

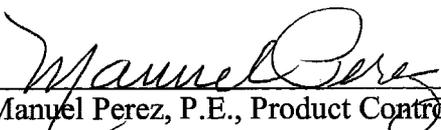
1. Notice of Acceptance No. **97-1224.07** issued to Solutia for "Polyvinyl Butyral Interlayer Saflex" dated 06/25/98, expiring on 01/09/00.

**E. STATEMENTS**

1. Statement letter of conformance, dated January 8, 1997, signed and sealed by Robert E. Fisher and William M. Meyers, P.E.
2. Statement letter of no financial interest, dated January 8, 1997, signed and sealed by Robert E. Fisher and William M. Meyers, P.E.

**F. OTHER**

1. This NOA renews the Notice of Acceptance No. 97-0131.02, approved on 01/05/98, and expiring on 01/05/01.

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

**Engineered Glass Systems, Inc.**

**ACCEPTANCE No.:** 00-1114.10

**APPROVED** : MAR 0 1 2001

**EXPIRES** : January 5, 2006

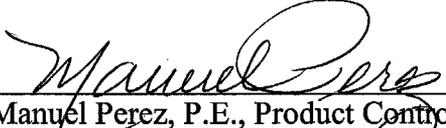
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

*(For File ONLY. Not part of NOA.)*

TEST PERFORMED:

RESULTS:

TEST	TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF SFBC PA 202-94 (0.15 CFM/FT <sup>2</sup> )	0.05 CFM/FT <sup>2</sup> FTL-1492	-----
AIR INFILTRATION @ 6.24 PSF SFBC PA 202-94	0.05 CFM/FT <sup>2</sup> FTL-1492	-----
UNIFORM STATIC PRESSURE DESIGN LOAD SFBC PA 202-94 POSITIVE 30 Seconds	+85.0 PSF FTL-1492	+85.0 PSF FTL-1492
UNIFORM STATIC PRESSURE DESIGN LOAD SFBC PA 202-94 NEGATIVE 30 Seconds	-85.0 PSF FTL-1492	-85.0 PSF FTL-1492
WATER RESISTANCE (PSF) SFBC PA 202-94 (5.0 GPH/FT <sup>2</sup> ) 15 min.	+15.0 PSF FTL-1492	+100.0 PSF FTL-1492
UNIFORM STATIC PRESSURE FULL TEST LOAD SFBC PA 202-94 POSITIVE 30 Seconds	+127.5 PSF FTL-1492	+85.0 PSF FTL-1492
UNIFORM STATIC PRESSURE FULL TEST LOAD SFBC PA 202-94 NEGATIVE 30 Seconds	-127.5 PSF FTL-1492	-85.0 PSF FTL-1492
FORCED-ENTRY RESISTANCE (FER) SFBC 3603.2(b)(5) & SFBC PA 202-94	Not Required	-----
LARGE MISSILE IMPACT TEST SFBC PA 201-94	SATISFACTORY FTL-1492	-----
CYCLIC WIND PRESSURE TEST SFBC PA 203-94 POSITIVE (4,500 cycles)	+85.0 PSF FTL-1492	+85.0 PSF FTL-1492
CYCLIC WIND PRESSURE TEST SFBC PA 203-94 NEGATIVE (4,500 cycles)	-85.0 PSF FTL-1492	-85.0 PSF FTL-1492
Design Pressure Rating (Positive)		+85.0 PSF
Design Pressure Rating (Negative)		-85.0 PSF
<b>For Design Pressure Rating (Mullion Capacity) vs. Mullion Length and Mullion Spacing (Tributary Width), see corresponding Table in Dwg. No. 96-26, Sheet 1 of 2 Mullion Load Capacity readings are for Positive and Negative Values.</b>		

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



REVISIONS  
 02/08/01

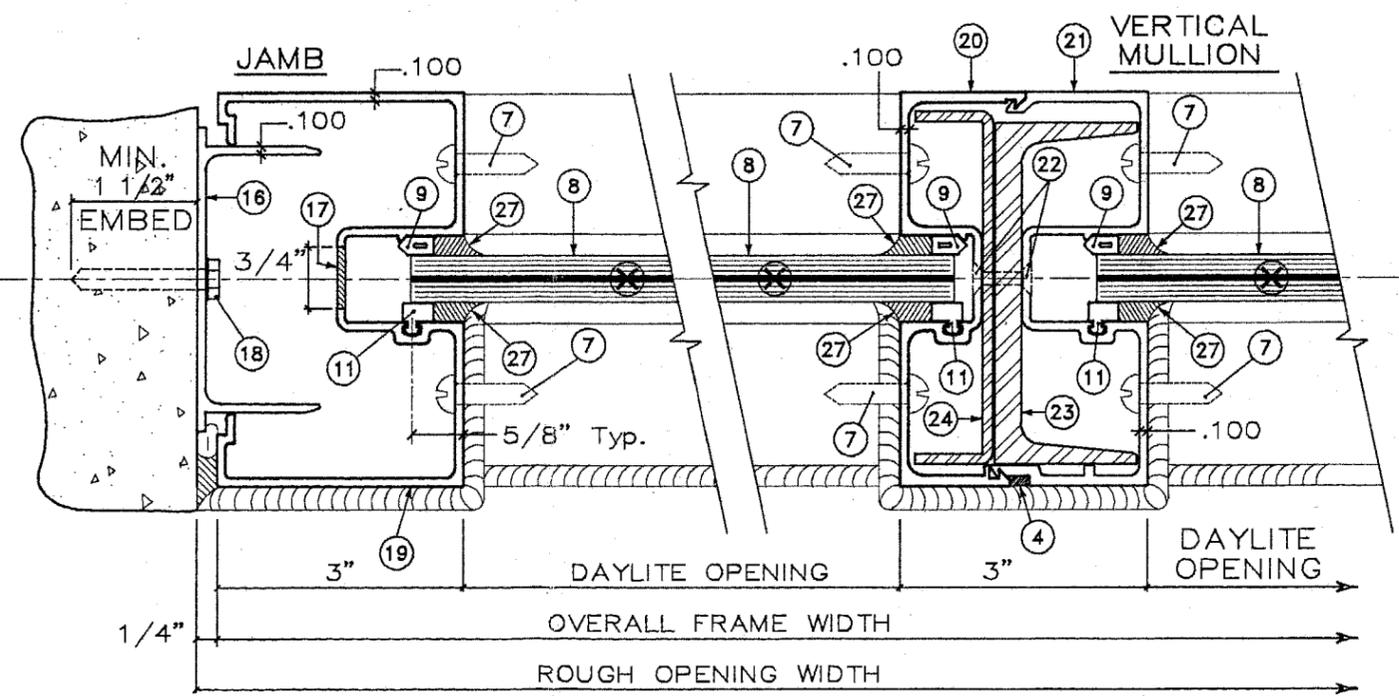
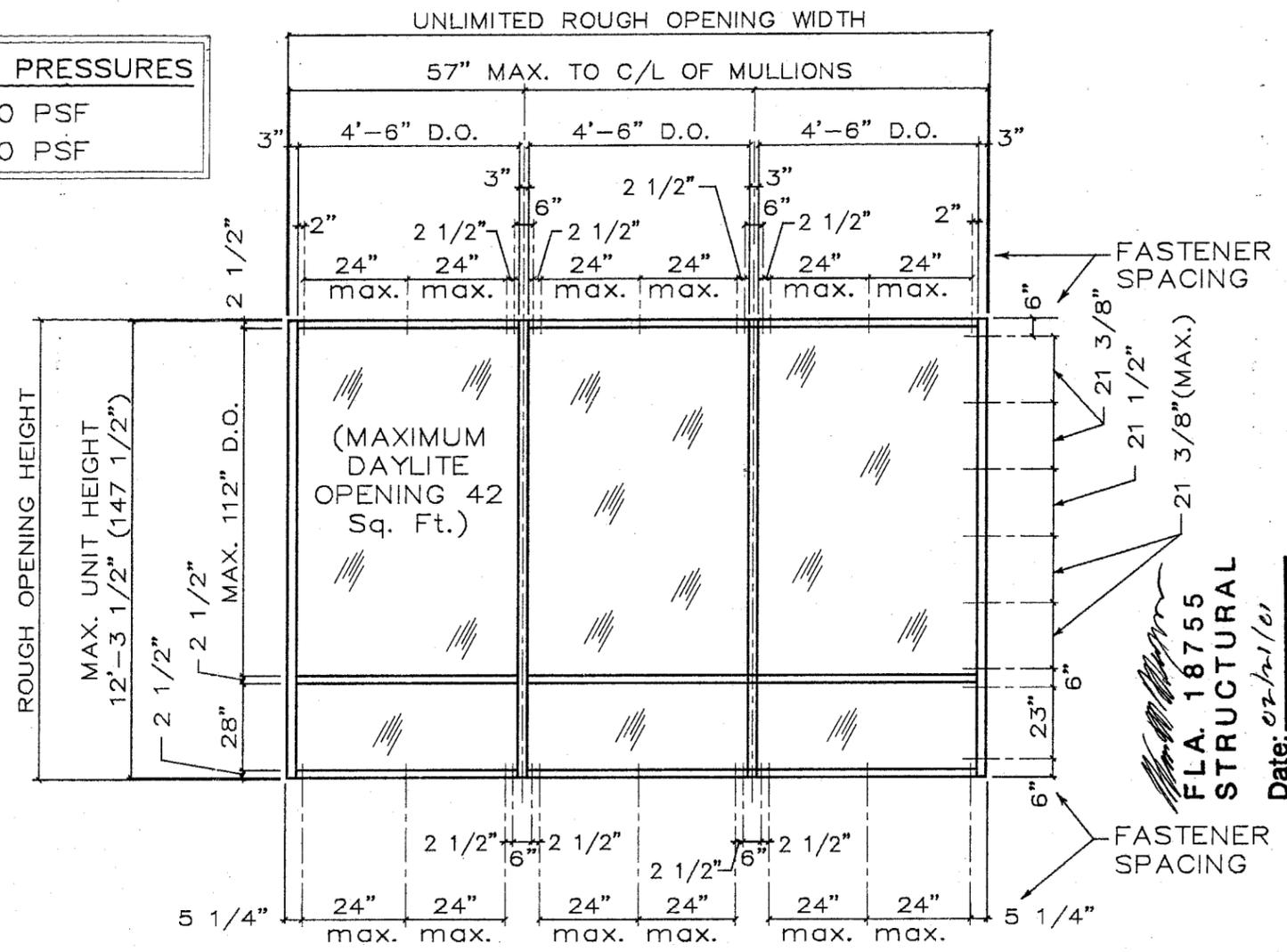
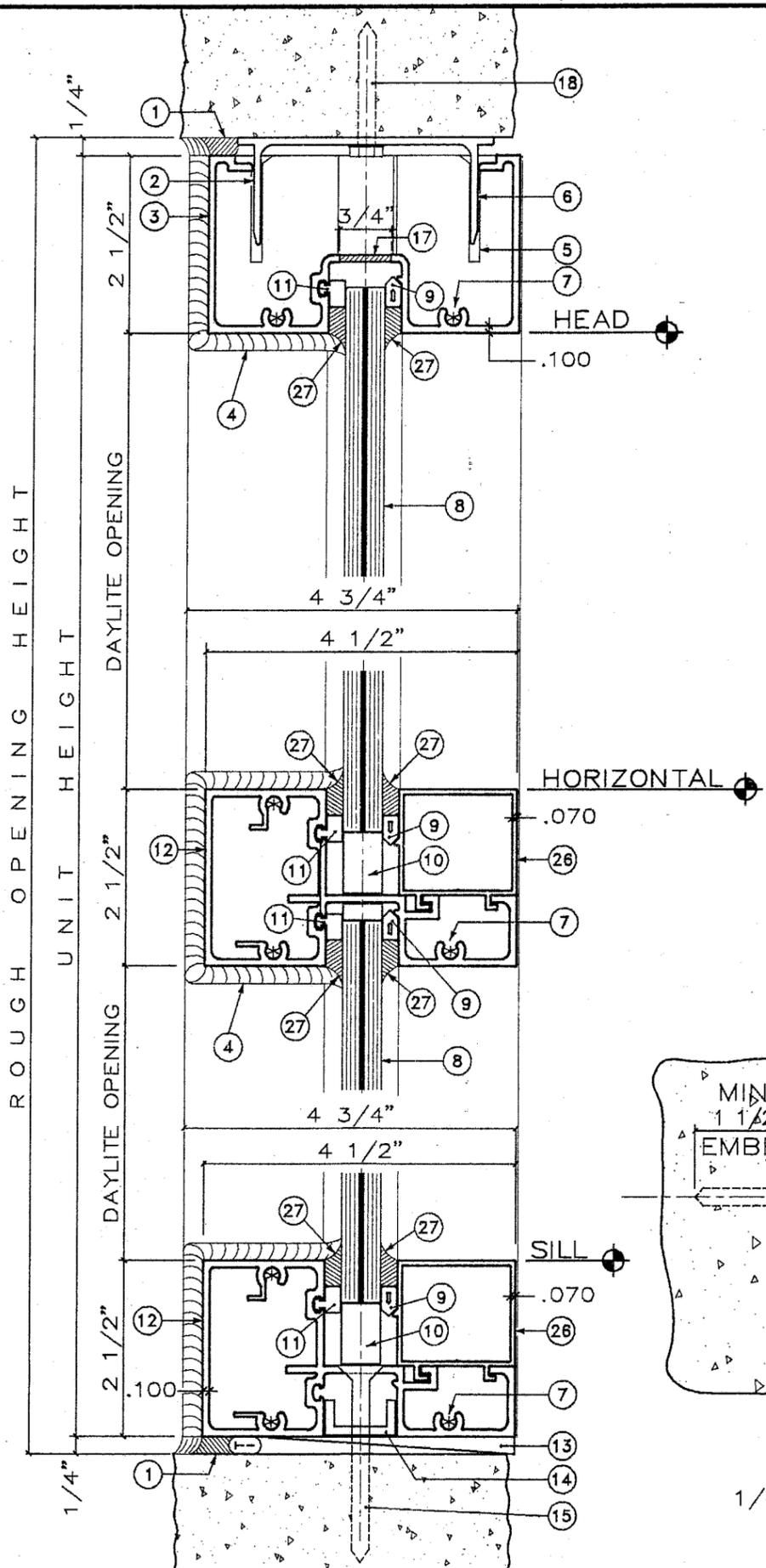
ENGINEERED GLASS SYSTEMS, INC  
 2501 PARK LANE  
 PEMBROKE PARK, FLORIDA 33009  
 TEL: 954-964-1441  
 FAX: 954-964-1533

SEAL

**SERIES 4750  
 IMPACT  
 STOREFRONT SYSTEM**  
 - Product Approval Submittal Drawings -

PLOT SCALE: 1" = 1"  
 DWG FILE: B5P EGS1-2.DWG  
 CHKD BY: RLL  
 DATE: October 20, 1997  
 DWG. NO. 4750  
 Sheet #  
**2 of 3**

**DESIGN PRESSURES**  
 +70 PSF  
 -70 PSF



APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE **MAR 01 2001**  
 BY *Manuel Carr*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-1114.10

#	MATERIALS LIST	
①	URETHANE SEALANT AT PERIMETER OF FRAME	⑩ ENGINEERED GLASS SYSTEMS #135 SUB-BUCK, LENGTH TO EQUAL FRAME HEIGHT. ALLOY 6005-T5
②	ENGINEERED GLASS SYSTEMS EXTRUSION #135 ALUMINUM SUB-BUCK. ALLOY 6005-T5	⑪ 3/4" DIAMETER ACCESS HOLE AT EACH ANCHOR.
③	ENGINEERED GLASS SYSTEMS EXTRUSION #129 ALUMINUM FRAME HEAD. ALLOY 6005-T5	⑫ 1/4" DIAMETER FLAT OR HEX HEAD TAPCON CONCRETE ANCHOR WITH THE PROPER LENGTH TO INSURE A MIN. 1 1/2" EMBEDMENT INTO CONCRETE.
④	TREMCO SPECTREM 2 MEDIUM MODULUS SILICONE AT ALL EXTERIOR METAL TO METAL JOINTS.	⑬ ENGINEERED GLASS SYSTEMS #132 JAMB MEMBER. ALLOY 6005-T5
⑤	NOTCH EGS #133 & #134 FOR EGS #135.	⑭ ENGINEERED GLASS SYSTEMS #133 FEMALE MULLION MEMBER. ALLOY 6005-T5
⑥	EGS #135 ALUMINUM SUB-BUCK, CONTINUOUS BETWEEN VERTICAL JAMB MEMBERS AND BUTT JOINTED AT CENTER OF VERTICAL MULLIONS. ALLOY 6005-T5	⑮ ENGINEERED GLASS SYSTEMS #134 MALE MULLION MEMBER. ALLOY 6005-T5
⑦	#14 X 1" LONG SHEET METAL SCREW, STAINLESS STEEL (Typical Assembly Screw).	⑯ #12-24 FH MACHINE SCREW 6" FROM ENDS AND A MAX. 12" ON CENTER.
⑧	9/16" Thk. LAMINATED GLASS (Two (2) Lites 1/4" Heat-Strengthened With .090 Thk. Interlayer). MONSANTO SAFLEX (PVB)	⑰ C4" X 7.25" STRUCTURAL STEEL CHANNEL, LENGTH 20" SMALLER THAN FRAME HEIGHT, CENTERED VERTICAL IN HEIGHT.
⑨	TREMCO #TR-336E EPDM ARROW SHIM, CON'T (60 Durometer), TYPICAL INTERIOR GASKETS.	⑱ 15/16" X 4 1/4" X 15/16" X 1/8" BREAKMETAL STEEL CHANNEL, LENGTH 20" SMALLER THAN FRAME HEIGHT CENTERED VERTICALLY IN HEIGHT.
⑩	4" LONG 1/2" X 7/8" NEOPRENE SETTING BLOCKS, (Two (2) Per Lite Located At Eight Points).	⑲ P.T. SOUTHERN PINE WOOD BUCK, 1" X 4 1/2" OR 2" X 4 1/2" STABILIZED.
⑪	TREMCO #TR-444E EDDM NEOPRENE PAD (60 Durometer).	⑳ ENGINEERED GLASS SYSTEMS #131 GLASS STOP. ALLOY 6063-T5
⑫	ENGINEERED GLASS SYSTEMS EXTRUSION #130 FRAME SILL OR HORIZONTAL. ALLOY 6005-T5	㉑ TREMCO SPECTREM 2 MEDIUM MODULUS SILICONE AT PERIMETER OF ALL GLASS TO METAL.
⑬	1 1/2" LONG CEDAR SHIMS AT EACH ANCHOR.	
⑭	3" LONG 1/2" X 1" X 1/2" X 1/8" ALUMINUM CHANNEL AT EACH ANCHOR.	
⑮	1/4" DIAMETER FLAT HEAD TAPCON CONCRETE ANCHOR WITH THE PROPER LENGTH TO INSURE A MIN. 1 1/2" EMBEDMENT INTO CONCRETE.	

REVISIONS:  
 ① 02/08/01

ENGINEERED GLASS SYSTEMS, INC  
 2501 PARK LANE  
 PEMBROKE PARK, FLORIDA 33009  
 TEL: 954-964-1441  
 FAX: 954-964-1533

REVISIONS:  
 A. 18755  
 STRUCTURAL  
 02/21/01

FILED  
 SERIES 4750  
 IMPACT  
 STOREFRONT SYSTEMS  
 - Product Approval Submittal Drawings -  
 Date:

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE MAR 01 2001  
 BY Manuel Juez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-1114.10

PLOT SCALE: 1" = 1"  
 DWG FILE: B5D EGS1-3.DWG  
 CHKD BY: R.J.L.  
 DATE: October 20, 1997  
 DWG. NO. 4750  
 Sheet #  
 3 of 3