



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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Trainor Glass Company
3728 Prospect Avenue
Riviera Beach FL 33404

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

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

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

Your application for Product Approval of:

Series "TCW-251R Ribbon Window" Aluminum Fixed Window - Impact Resistant

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 98-1103.03

Expires: 01/28/2003

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 01/28/2000



Trainor Glass Company

ACCEPTANCE No.: 98-1103.03

APPROVED : JAN 28 2000

EXPIRES : JAN 28 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum fixed window, 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 "TCW-251R Ribbon Window" Aluminum Fixed Window (6-5/8" x 2-1/2")-Small/Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 6-7301., titled "TCW-251-R Product Approval Drawing" Sheets 1 through 7 of 7 dated 01/21/98 with revision 2 dated 9/22/99, signed and sealed by Wm. 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 fixed window, limited only to the maximum height (span) and mullion spacing; for the Design Pressure Rating shown approved drawing.

4. INSTALLATION

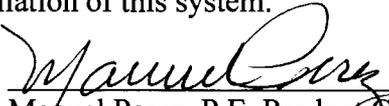
- 4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): to determine whether the installation of this unit requires a hurricane protection system or not, see notes in corresponding glazing detail in approved drawing.

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

Trainor Glass Company

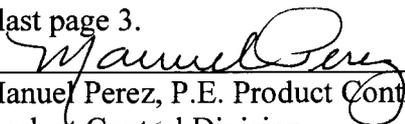
ACCEPTANCE No.: 98-1103.03

APPROVED : JAN 28 2000

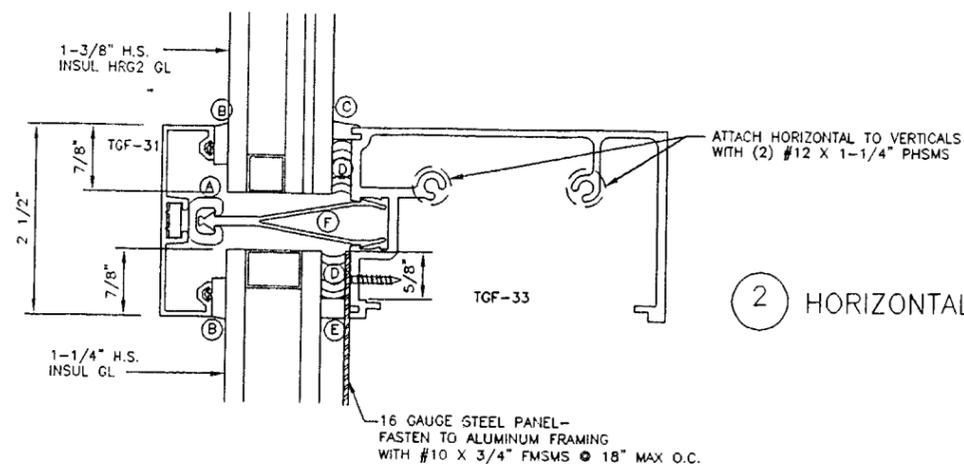
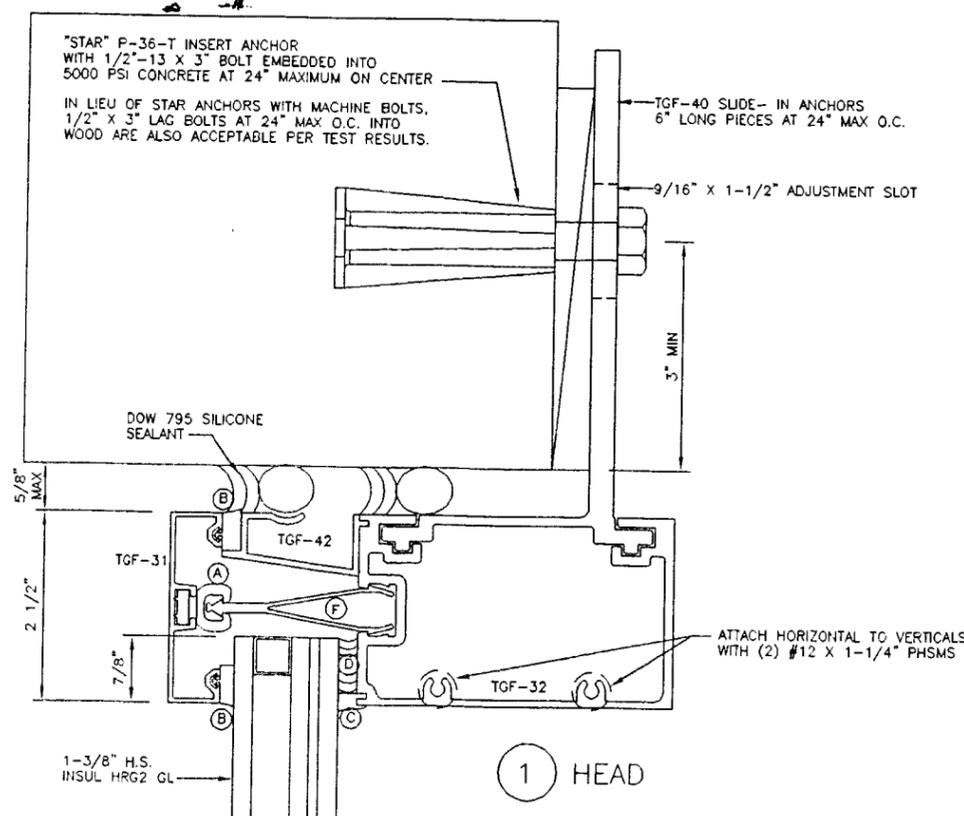
EXPIRES : JAN 28 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

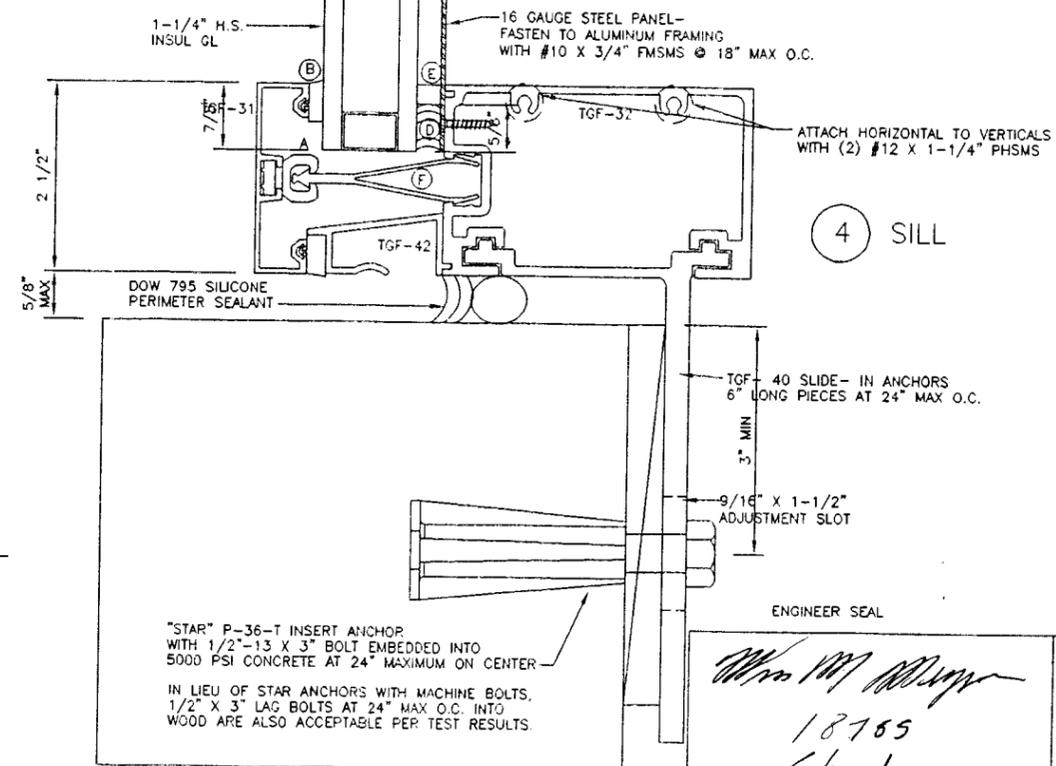
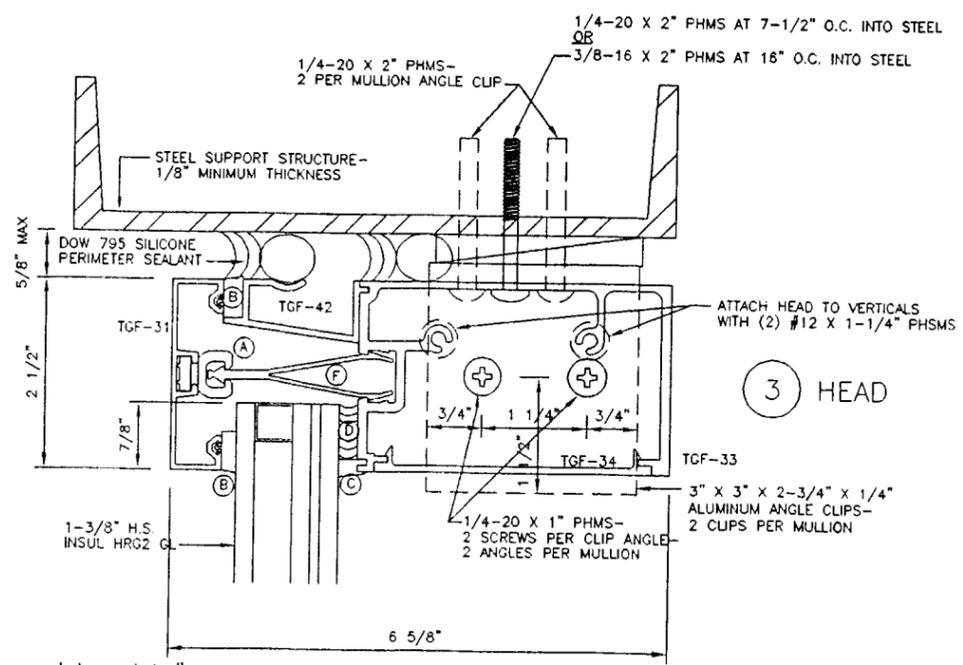
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with 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



- MATERIAL LEGEND:
- (A) KAWNEER #175-310 PLASTIC RETAINER CLIPS AT 12" O.C.
 - (B) TREMCO TR1733 CLOSED CELL NEOPRENE SPONGE GASKET
 - (C) TREMCO TR5399 70 DUROMETER SILICONE COMPATIBLE RUBBER GASKET
 - (D) DOW 983 STRUCTURAL SILICONE- 1/4" X 3/4" (UON)
 - (E) NORTON V2100 1/4" X 1/4" STRUCTURAL TAPE
 - (F) TGF-39 ALUMINUM RETAINER CLIPS- 4" LONG PIECES AT 12" O.C.



ROBERT FISHER
 W.M. MEYERS
 CONSULTING ENGINEER
 1000 N.E. 6th Ave., Suite 100
 Miami Springs, FL 33166
 (305) 758-2117

ENGINEER SEAL
Wm M Meyers
 18785
 Structures
 9/28/99

MIAMI- DADE COUNTY USE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE January 28, 2000
 BY M. M. Meyers
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-1103 03

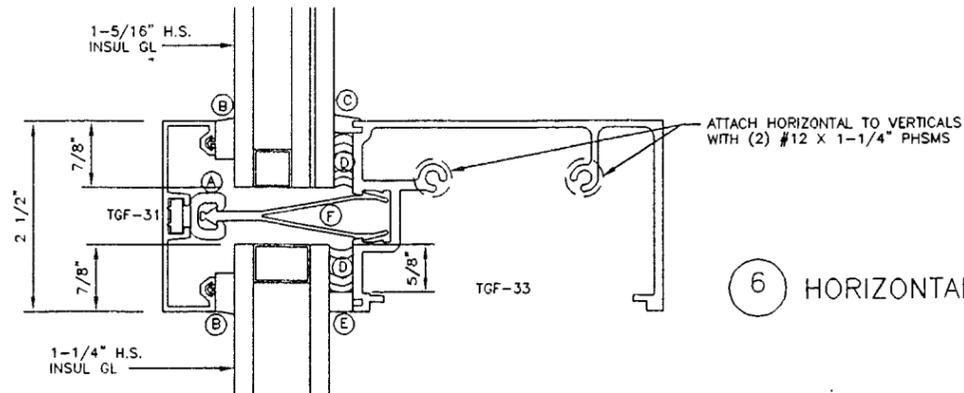
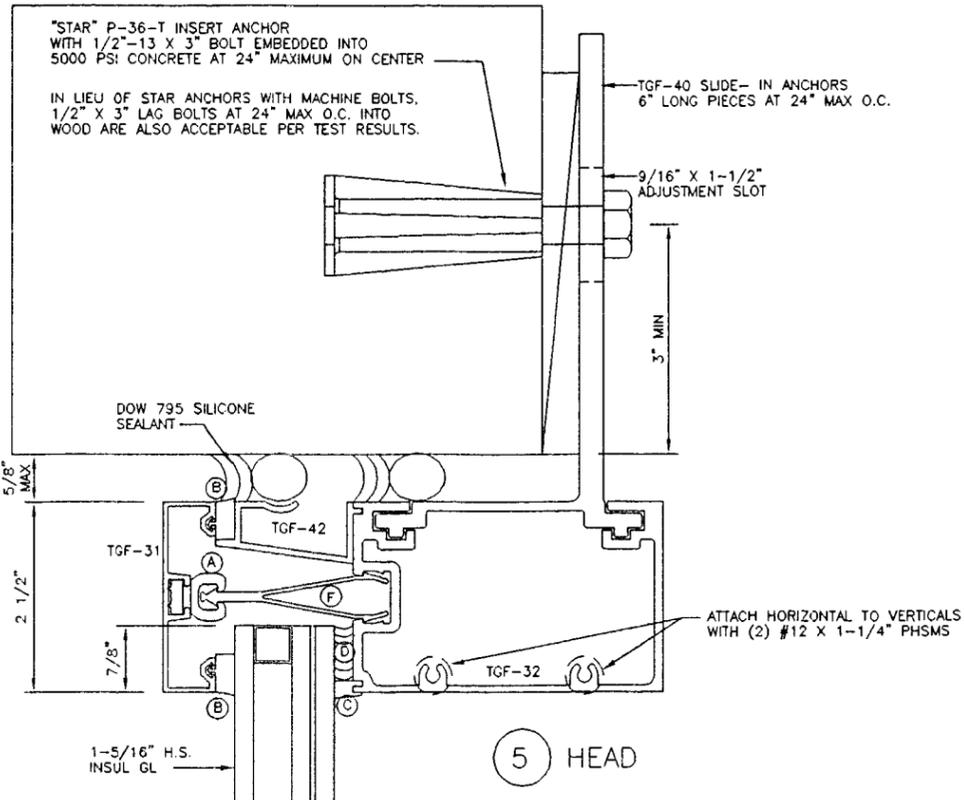
TRINOR GLASS COMPANY
 3728 PROSPECT AVE.
 RIVIERA BEACH, FL 33404
 PH: (561) 863-7078
 FAX: (561) 863-7888



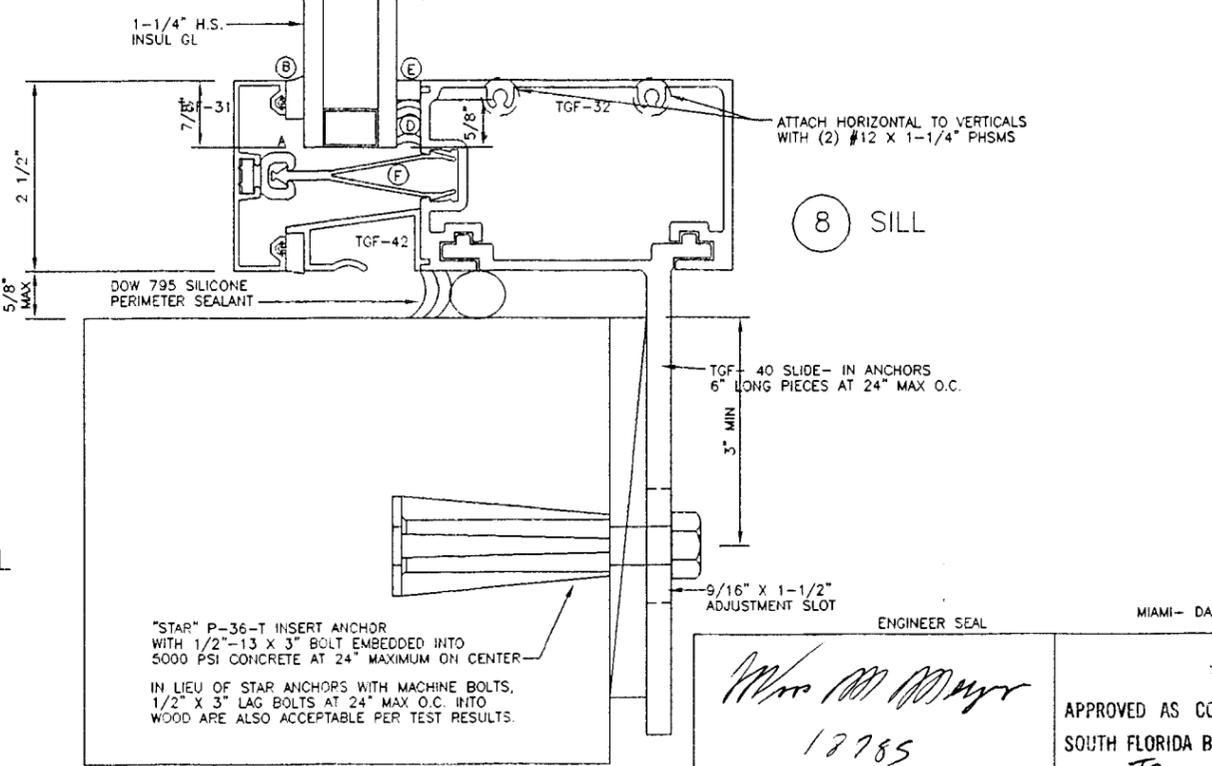
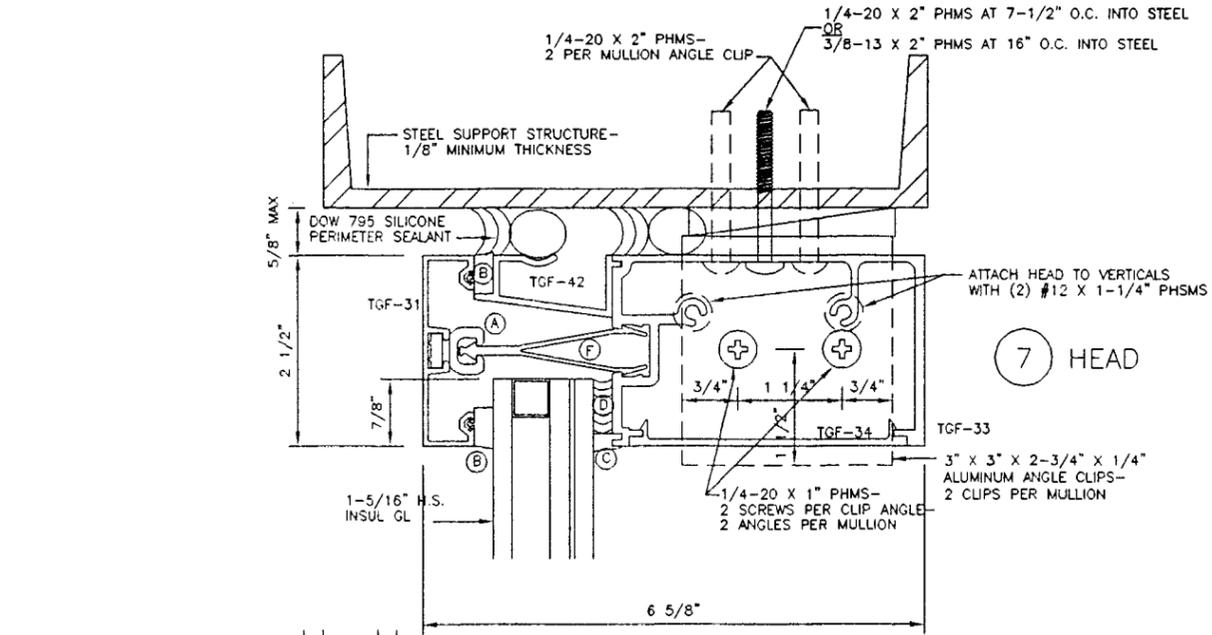
NO.	DATE	BY	REVISIONS
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2	9/22/99	DI	REVISED FOR DADE COUNTY CLARIFICATION

PROJECT NAME	TCM-251R PRODUCT APPROVAL DRAWING
ADDRESS	
ARCHITECT	
CONTRACTOR	

DATE	01/21/98
SCALE	1/4" = 1'-0"
DRAWN	W.M. MEYERS
CHECKED BY	
SHEET NO.	3 OF 7



- MATERIAL LEGEND:
- (A) KAWNEER #175-310 PLASTIC RETAINER CLIPS AT 12" O.C.
 - (B) TREMCO TR1733 CLOSED CELL NEOPRENE SPONGE GASKET
 - (C) TREMCO TR5399 70 DUROMETER SILICONE COMPATIBLE RUBBER GASKET
 - (D) DOW 983 STRUCTURAL SILICONE- 1/4" X 3/4" (UOH)
 - (E) NORTON V2100 1/4" X 1/4" STRUCTURAL TAPE
 - (F) TGF-39 ALUMINUM RETAINER CLIPS- 4" LONG PIECES AT 12" O.C.



ROBT. FISHER
 M. M. MEYERS P.E.
 Consulting Engineers
 500 N.E. 8th Ave. # 200
 Miami Beach, FL 33138
 (305) 366-1177 FAX (305) 366-1178

ENGINEER SEAL
 MIAMI- DADE COUNTY USE
M. M. Meyers
 18785
 Structural
 9/25/99

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE January 28, 2000
 BY Maurice...
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-1103-03

TRAINOR GLASS COMPANY
 3728 PROSPECT AVE.
 RIVERA BEACH, FL 33404
 PH. (561) 863-7078
 FAX (561) 863-7088

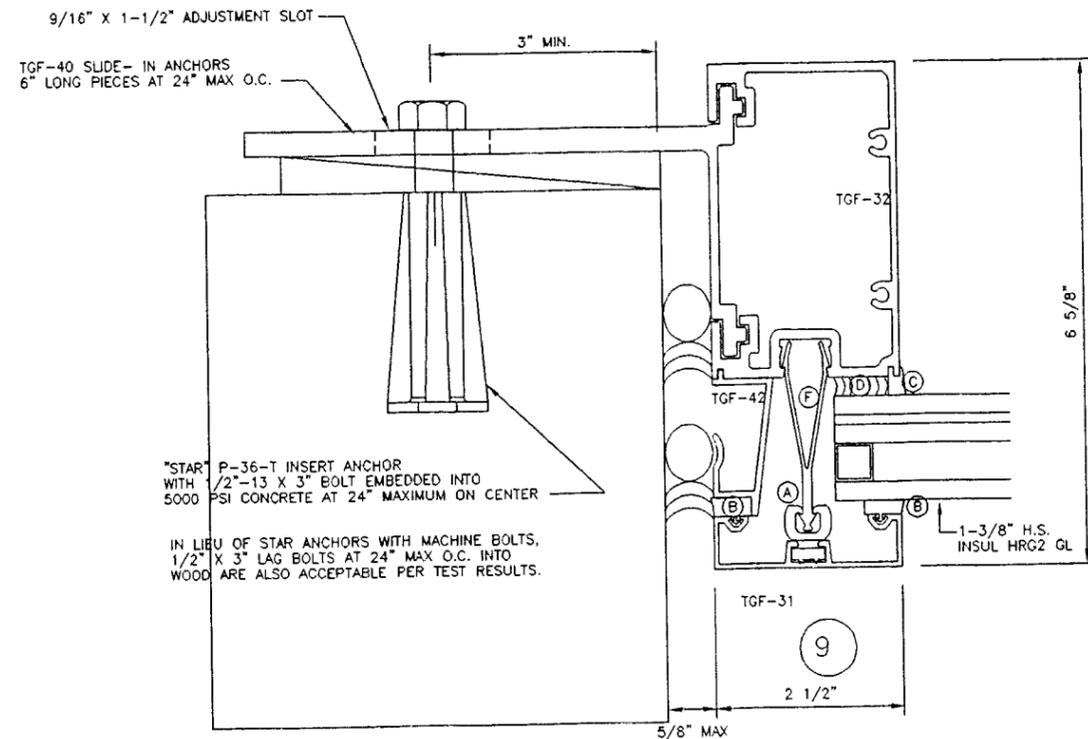


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PROJECT NAME	TGW-251R PRODUCT APPROVAL DRAWING
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ARCHITECT	
CONTRACTOR	

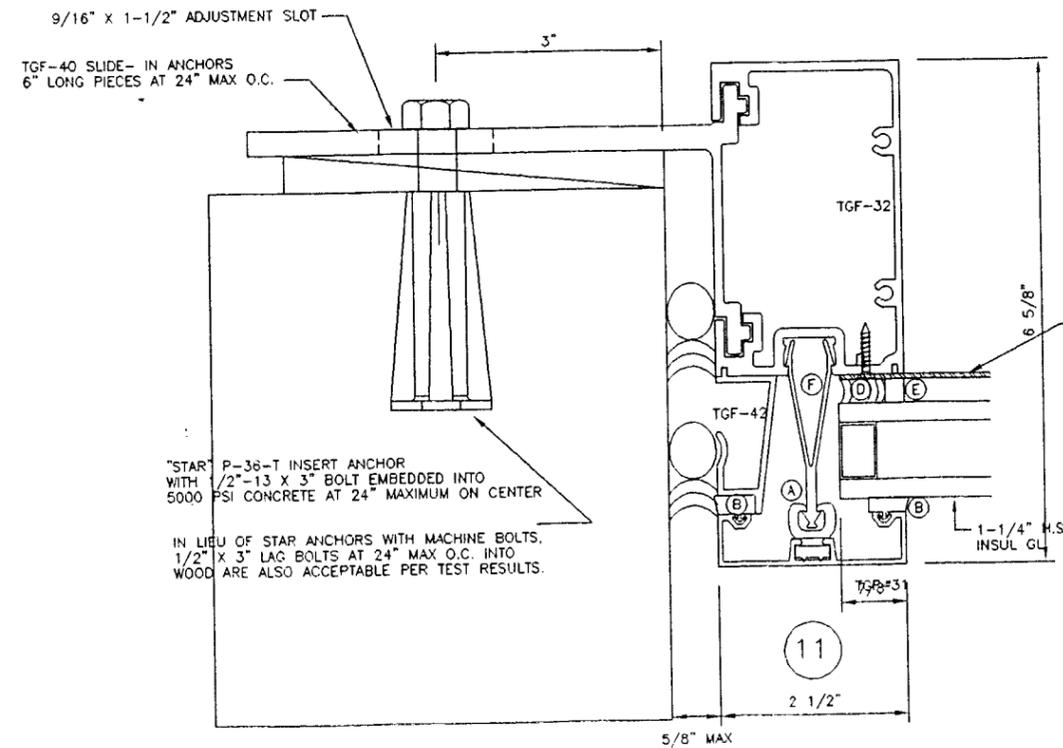
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4 OF 7



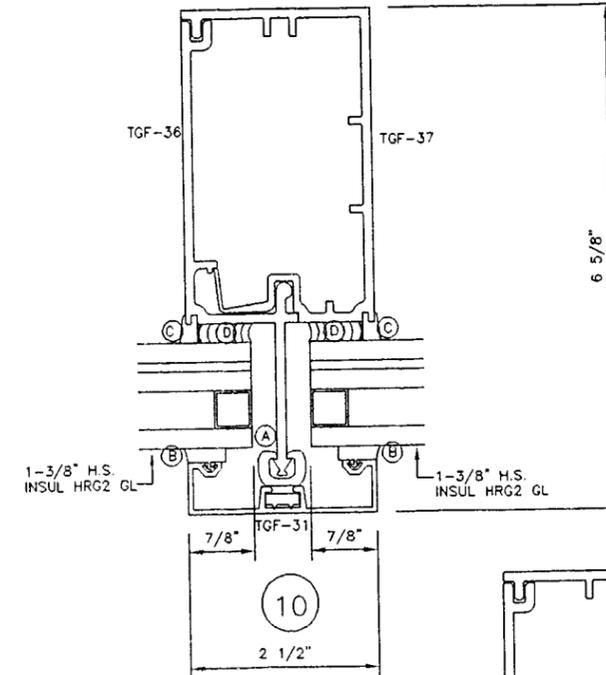
"STAR" P-36-T INSERT ANCHOR WITH 1/2"-13 X 3" BOLT EMBEDDED INTO 5000 PSI CONCRETE AT 24" MAXIMUM ON CENTER

IN LIEU OF STAR ANCHORS WITH MACHINE BOLTS, 1/2" X 3" LAG BOLTS AT 24" MAX. O.C. INTO WOOD ARE ALSO ACCEPTABLE PER TEST RESULTS.

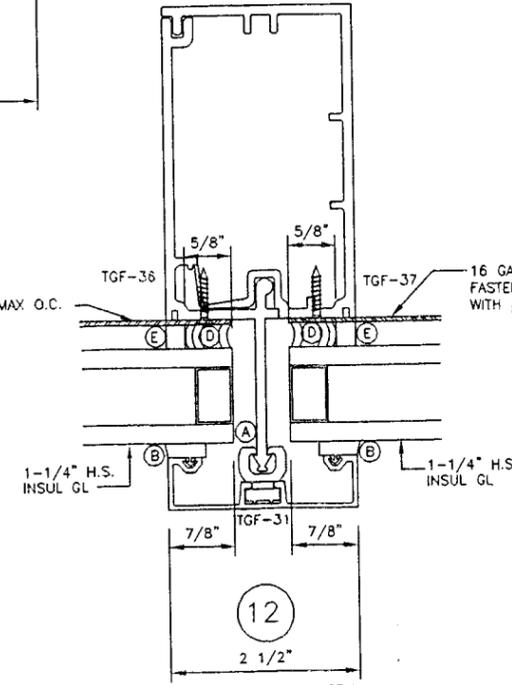


"STAR" P-36-T INSERT ANCHOR WITH 1/2"-13 X 3" BOLT EMBEDDED INTO 5000 PSI CONCRETE AT 24" MAXIMUM ON CENTER

IN LIEU OF STAR ANCHORS WITH MACHINE BOLTS, 1/2" X 3" LAG BOLTS AT 24" MAX. O.C. INTO WOOD ARE ALSO ACCEPTABLE PER TEST RESULTS.



16 GAUGE STEEL PANEL- FASTEN TO ALUMINUM FRAMING WITH #10 X 3/4" FMSMS @ 18" MAX. O.C.



16 GAUGE STEEL PANEL- FASTEN TO ALUMINUM FRAMING WITH #10 X 3/4" FMSMS @ 18" MAX. O.C.

- MATERIAL LEGEND:
- (A) KAWNEER #175-310 PLASTIC RETAINER CUPS AT 12" O.C.
 - (B) TREMCO TR1733 CLOSED CELL NEOPRENE SPONGE GASKET
 - (C) TREMCO TR5399 70 DUROMETER SILICONE COMPATIBLE RUBBER GASKET
 - (D) DOW 983 STRUCTURAL SILICONE- 1/4" X 3/4" (UON)
 - (E) NORTON V2100 1/4" X 1/4" STRUCTURAL TAPE
 - (F) TGF-39 ALUMINUM RETAINER CLIPS- 4" LONG PIECES AT 12" O.C.

Wm M Meyers
18755
Structural
9/28/99

W.M. MEYERS, P.E.
Professional Engineer
4301 N.E. 6th Ave., Suite 200
Miami Springs, FL 33166
(305) 758-1117

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE January 28, 2000
BY Manuel...
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1103.03

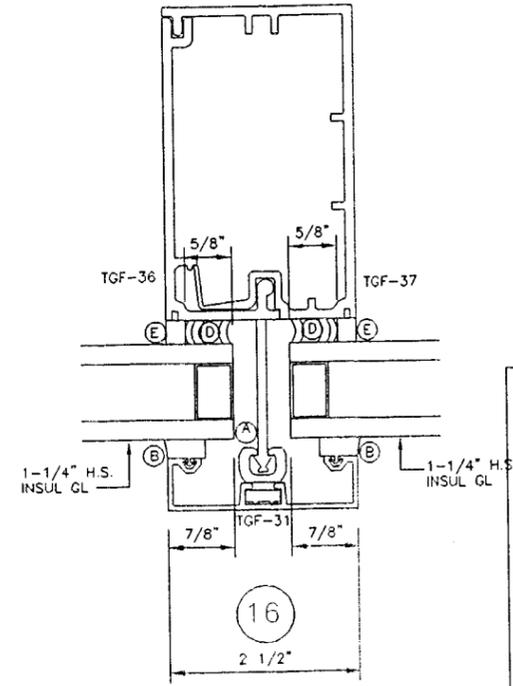
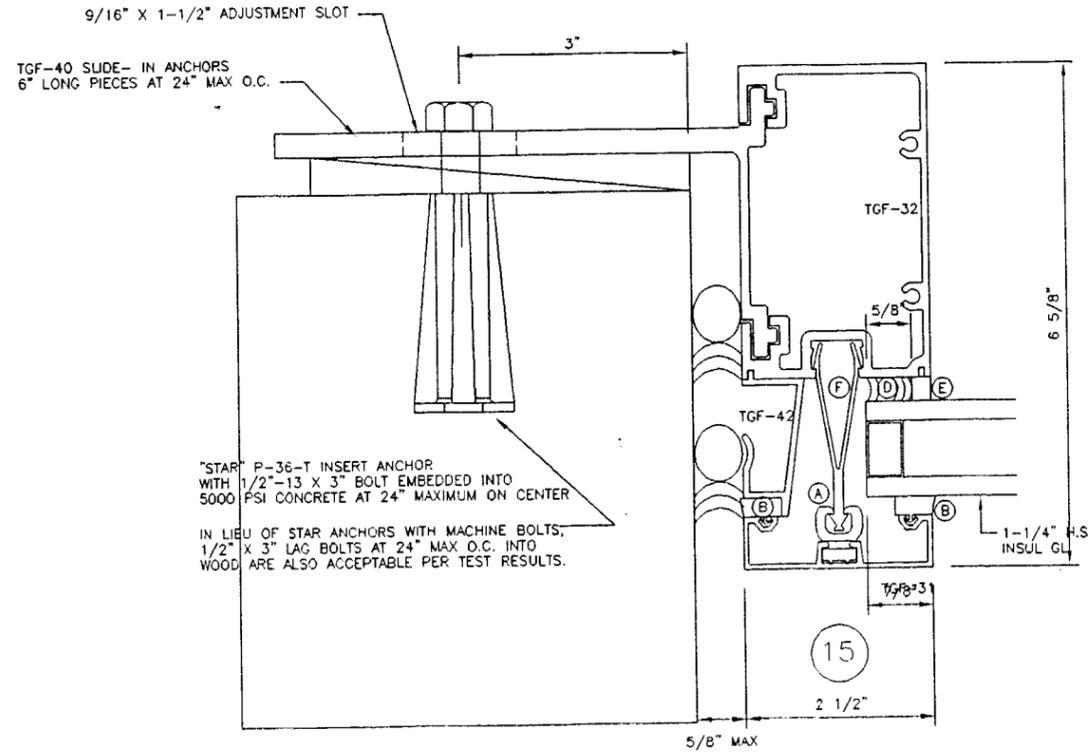
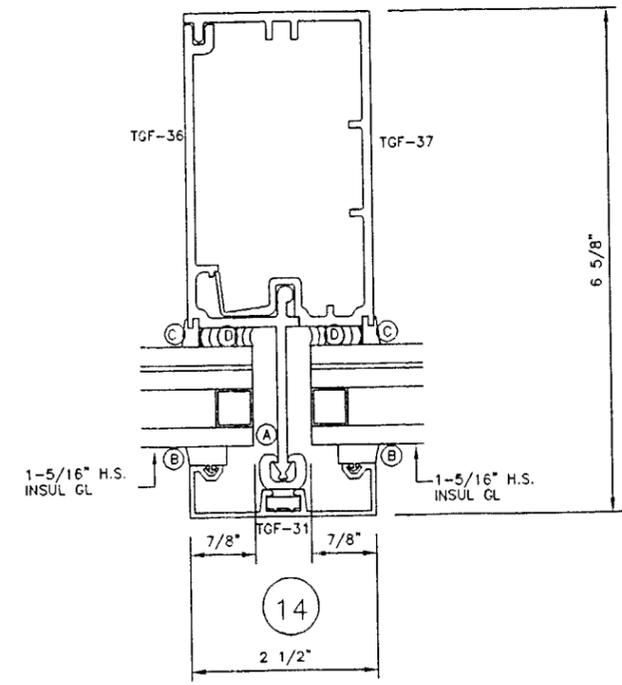
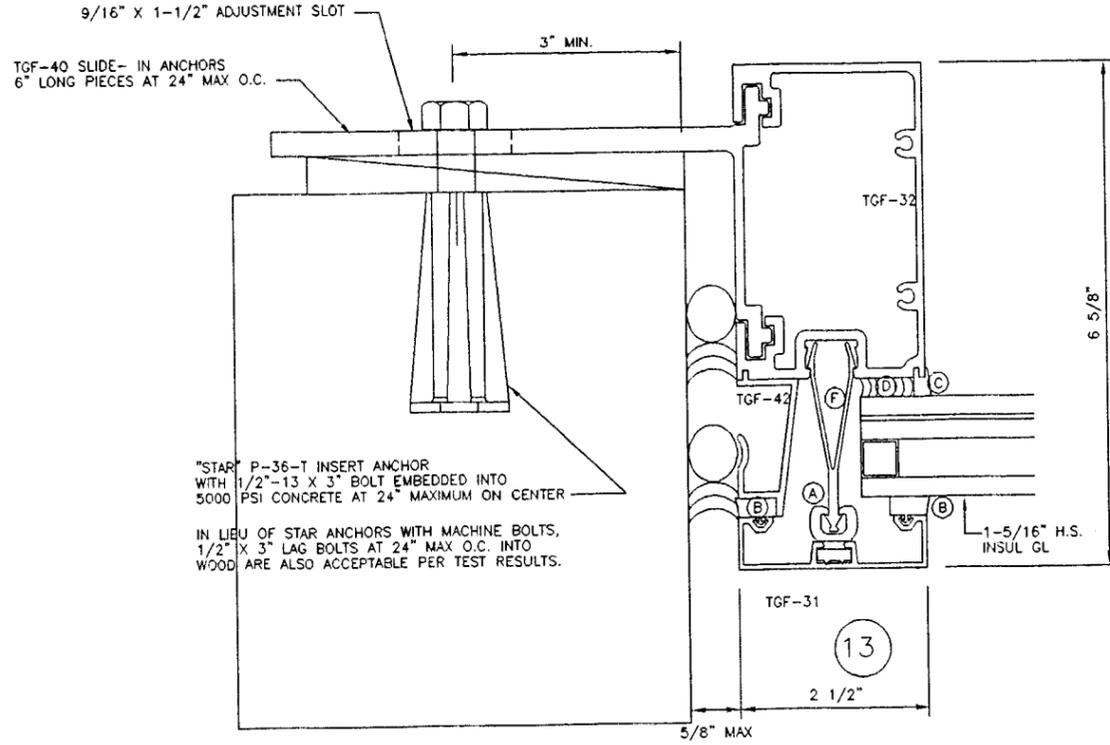
TRAINOR GLASS COMPANY
3728 PROSPECT AVE.
RIVIERA BEACH, FL 33404
PH. (561) 863-7078
FAX (561) 863-7088



NO.	DATE	BY	REVISIONS
1	12/26/99	DT	DESIGNED FOR DADE COUNTY SUBMITTAL
2	1/22/00	DT	REVISION FOR DADE COUNTY SUBMITTAL
PROJECT NAME: TCW-251R PRODUCT APPROVAL DRAWING			CONTRACTOR:
ADDRESS:			ARCHITECT:
DATE: 01/21/00	SCALE: FULL	DRAWN: DT	CHECKED BY:
ENG. NO.:	FIG. NUMBER: 5-7/201	SHEET NO.:	5 OF 7

MIAMI - DADE COUNTY USE

ENGINEER SEAL



- MATERIAL LEGEND:
- (A) KAWNEER #175-310 PLASTIC RETAINER CLIPS AT 12" O.C.
 - (B) TREMCO TR1733 CLOSED CELL NEOPRENE SPONGE GASKET
 - (C) TREMCO TR5399 70 DUROMETER SILICONE COMPATIBLE RUBBER GASKET
 - (D) DOW 983 STRUCTURAL SILICONE- 1/4" X 3/4" (UON)
 - (E) NORTON V2100 1/4" X 1/4" STRUCTURAL TAPE
 - (F) TGF-39 ALUMINUM RETAINER CLIPS- 4" LONG PIECES AT 12" O.C.

ENGINEER SEAL

MIAMI- DADE COUNTY USE

Wm M Meyers
1975
Structural
9/25/99

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *January 28 2000*
BY *Maurelle*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *98-1103-03*

PROJECT NAME	TEW-251R	APPROVAL DRAWING
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W.M. MEYERS & P.C.
Consulting Engineers
4301 N.E. 8th Avenue
Miami, Florida 33137
(305) 381-1111

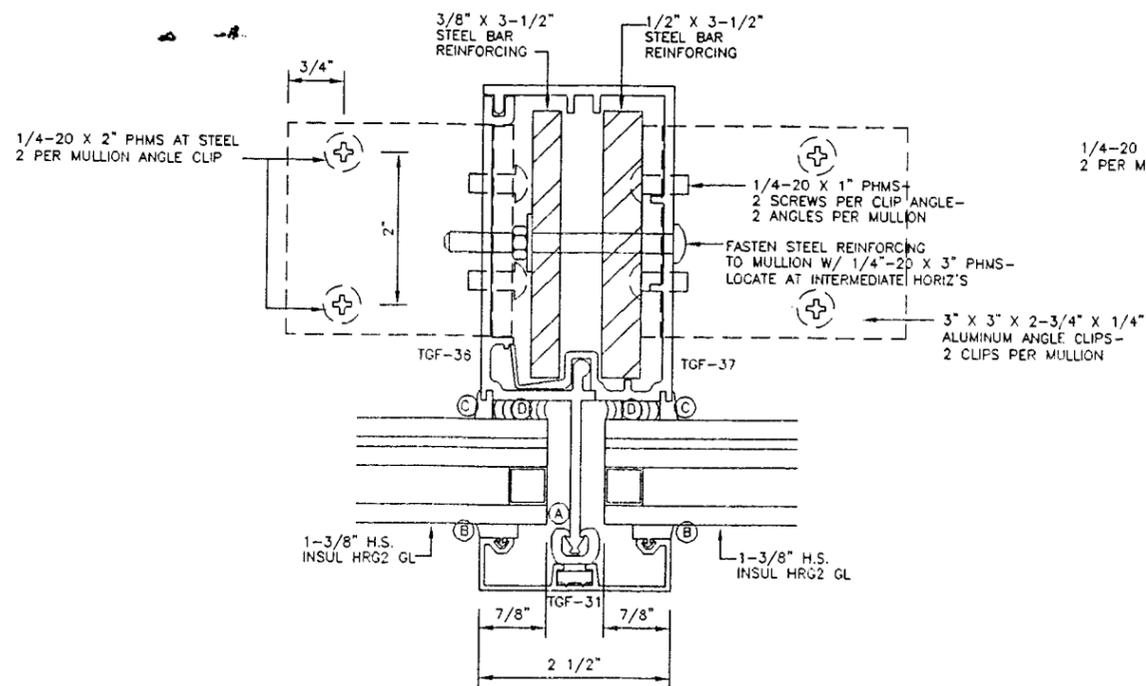
TRAINOR GLASS COMPANY
3728 PROSPECT AVE.
RIVIERA BEACH, FL 33404
PH. (561) 863-7078
FAX (561) 863-7088



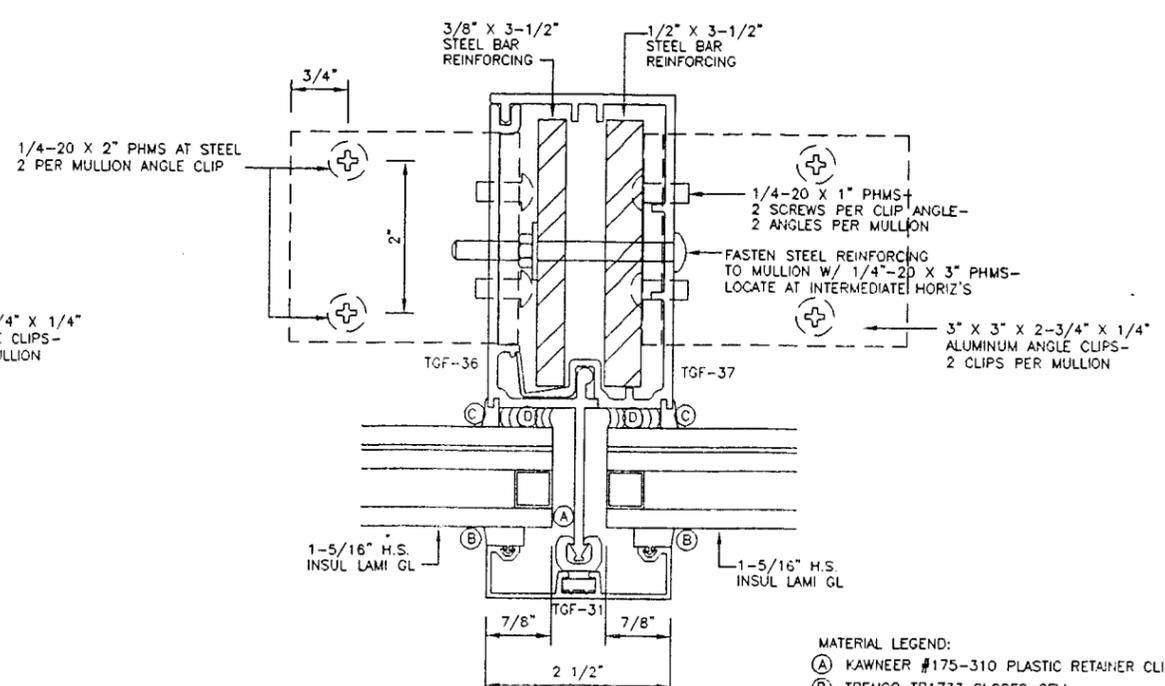
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DATE	01/21/98	CHECKED BY:
SCALE	FULL	
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PROJECT NO.		
SHEET NO.		
CONTRACTOR		
DATE	01/21/98	
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PROJECT NO.		
SHEET NO.		
CONTRACTOR		
DATE	01/21/98	
SCALE	FULL	
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DATE	01/21/98	
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CONTRACTOR		
DATE	01/21/98	
SCALE	FULL	
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PROJECT NO.		
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CONTRACTOR		
DATE	01/21/98	
SCALE	FULL	
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PROJECT NO.		
SHEET NO.		
CONTRACTOR		
DATE	01/21/98	
SCALE	FULL	
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PROJECT NO.		
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DATE	01/21/98	
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DATE	01/21/98	
SCALE	FULL	
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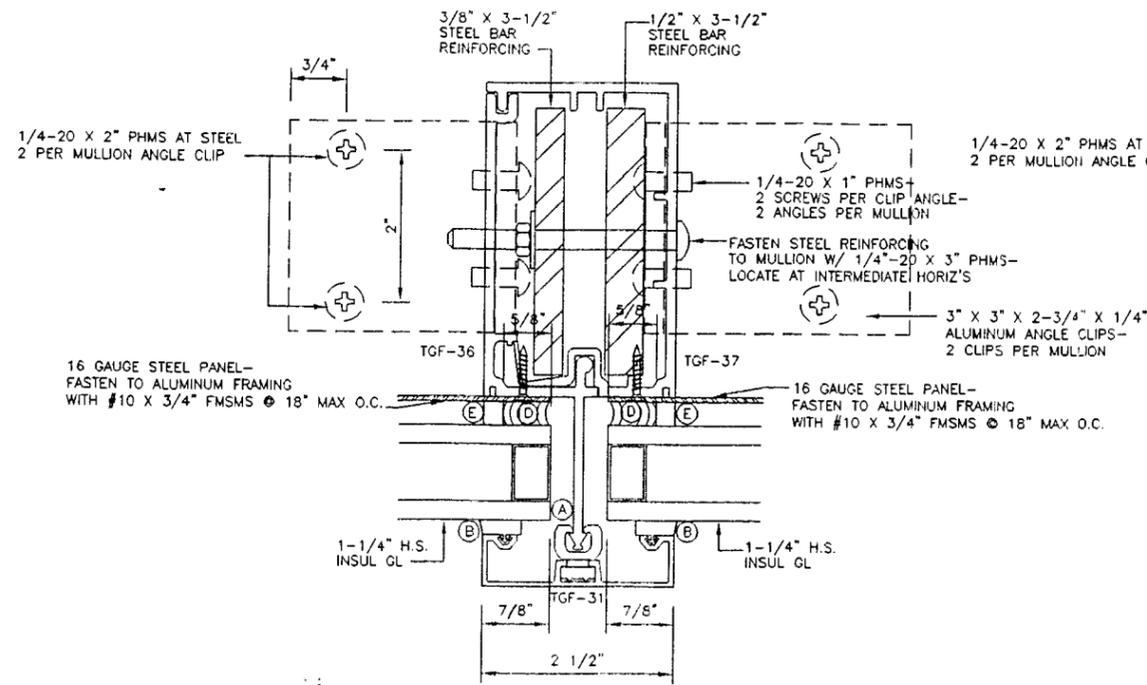


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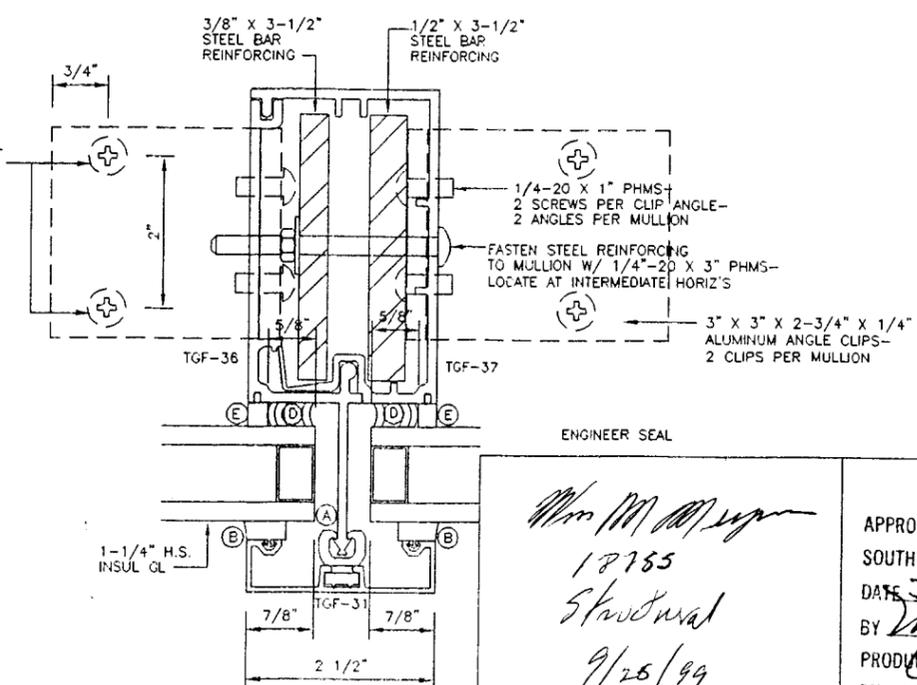


19

- MATERIAL LEGEND:
- (A) KAWNEER #175-310 PLASTIC RETAINER CLIPS AT 12" O.C.
 - (B) TREMCO TR1733 CLOSED CELL NEOPRENE SPONGE GASKET
 - (C) TREMCO TR5399 70 DUROMETER SILICONE COMPATIBLE RUBBER GASKET
 - (D) DOW 983 STRUCTURAL SILICONE- 1/4" X 3/4" (UON)
 - (E) NORTON V2100 1/4" X 1/4" STRUCTURAL TAPE
 - (F) TGF-39 ALUMINUM RETAINER CLIPS- 4" LONG PIECES AT 12" O.C.



18



20

ENGINEER SEAL

MIAMI- DADE COUNTY USE

Wm M. Meyer
18755
Structural
9/28/99

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE January 28, 2000
BY Maureen...
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1103-03

ROBT E. FISHER
WM M. MEYER

TRAINOR GLASS COMPANY



3728 PROSPECT AVE.
RIVIERA BEACH, FL 33404
PH: (561) 863-7078
FAX: (561) 863-7088

NO.	DATE	BY	REVISIONS
1	2/26/99	DM	REVISED FOR DADE COUNTY CLARIFICATION
2	9/22/99	DM	REVISED FOR DADE COUNTY CLARIFICATION

PROJECT NAME:	TOW-251R PRODUCT APPROVAL DRAWING
ADDRESS:	
ARCHITECT:	
COMPANY:	
DATE:	01/21/99
SCALE:	FULL
DRAWN:	
CHECKED BY:	
ENGINEER:	
SHEET NO.:	7 OF 7

1755
Structural
9/28/99