



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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Crawford Tracey Corporation
3301 S.W. 13 Drive
Deerfield Beach ,FL 33442

Your application for Notice of Acceptance (NOA) of:

Series "Stormwall" Aluminum Flush Fixed Glazed System - Small Missile 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.: 00-0823.04
EXPIRES: 07/12/2006

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: 07/12/2001



Crawford Tracey Corporation

ACCEPTANCE No.: 00-0823.04

APPROVED : JUL 12 2001

EXPIRES : JUL 12 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an aluminum fixed glazed 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 "Stormwall" Aluminum Flush Fixed Glazed System – Small Missile Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No. CTC-1, Sheets 1 thru 3 of 3, titled "Stormwall", dated 02/07/01, prepared by manufacturer, signed and sealed by William M. Myers, 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 glazed system, limited only to the maximum height (span), mullion spacing and for the Design Pressure Rating shown on approved drawings.

4. INSTALLATION:

4.1 The aluminum fixed glazed 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 up to 30 feet above grade, will require a hurricane protection system, but for installations above 30 feet above grade 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".

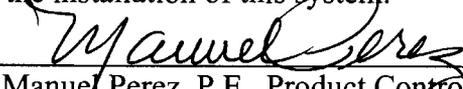
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by 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

Crawford Tracey Corporation

ACCEPTANCE No.: 00-0823.04

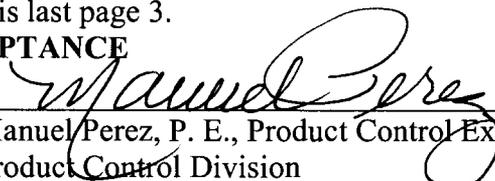
APPROVED : JUL 12 2001

EXPIRES : JUL 12 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.

END OF THIS ACCEPTANCE


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

Crawford Tracey Corporation

ACCEPTANCE No.: 00-0823.04

APPROVED : JUL 12 2001

EXPIRES : JUL 12 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. **CTC-1**, Sheets 1 thru 3 of 3, titled "Stormwall", dated 02/07/01, prepared by manufacturer, signed and sealed by William M. Meyers, P.E

B. TESTS

1. Test report 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) Small Missile Impact Test per SFBC PA 201-94 (ball bearing)
5) Cyclic Wind Pressure Test per SFBC PA 203-94
along with marked-up drawings and installation diagram of an aluminum fixed glazed system, prepared by American Test Lab of South Florida, Test Report No. **ATL-0214.01-00**, dated 3/14/00, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E.

C. CALCULATIONS

1. Anchor calculations prepared Robt. E. Fisher – Wm. M. Meyers, P.E. Consulting Engineers, dated 3/13/00 signed and sealed by Wm. M. Meyers, P.E.

D. MATERIAL CERTIFICATION

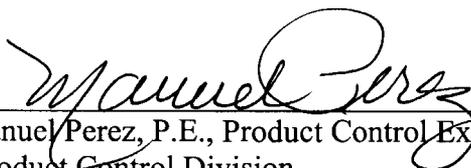
1. Notice of Acceptance No. **96-0904.06** issued to E.I. DuPont DeNemours for "Laminated Glass with Butalite as Interlayer" dated 12/11/97, expiring on 12/11/00.
2. Notice of Acceptance No. **98-0728.05** issued to Solutia Inc. for "Saflex IIIIG Polyvinyl butyral interlayer" dated 08/27/98, expiring on 05/21/01.

E. STATEMENTS

1. Statement letter of conformance, dated March 28, 2000, signed and sealed by William M. Meyers, P.E.
2. Statement letter of no financial interest, dated March 28, 2000, signed and sealed by William M. Meyers, P.E.
3. Lab compliance letters for test reports No: ATL-0214.01 issued by American Test Lab of South Florida, dated 03/14/00, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E.

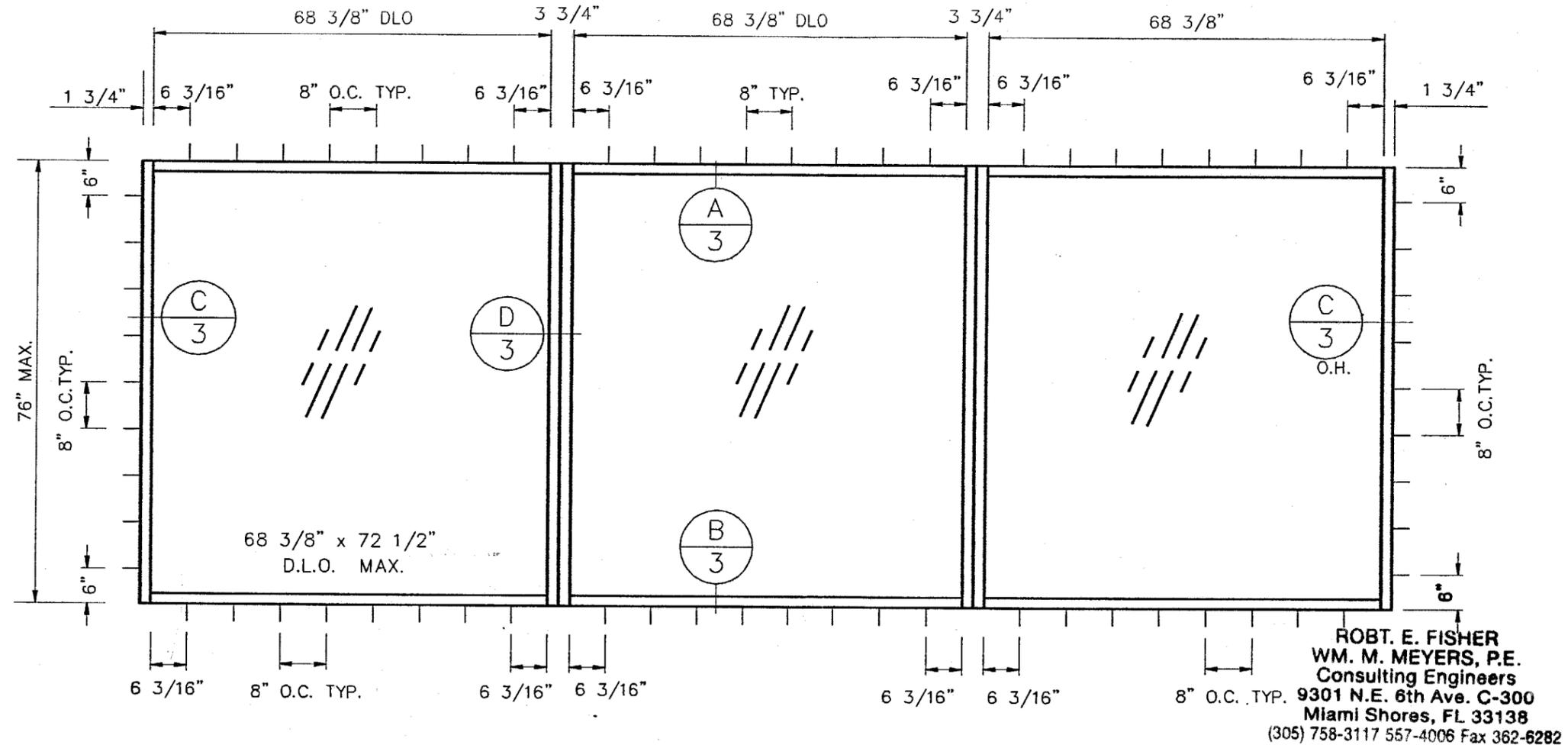
F. OTHER

1. None.


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

CTC STORMWALL

SMALL MISSILE IMPACT RESISTANT SYSTEM



ROBT. E. FISHER
 WM. M. MEYERS, P.E.
 Consulting Engineers
 9301 N.E. 6th Ave. C-300
 Miami Shores, FL 33138
 (305) 758-3117 557-4006 Fax 362-6282

GLASS OPTIONS		
9/16"	LAMINATED GLASS	1/4" HEAT STRENGTHENED .060" DUPONT BUTACITE 1/4" HEAT STRENGTHENED
9/16"	LAMINATED GLASS	1/4" HEAT STRENGTHENED .060" SOLUTIA "SAFLEX" 1/4" HEAT STRENGTHENED

DESIGN PRESSURES: +75 -75 psf.

NOTE: SHUTTER REQUIREMENTS
 MIAMI DADE COUNTY APPROVED SHUTTERS
 WILL BE REQUIRED FOR INSTALLATIONS
 UP TO 30' ABOVE GRADE
 FOR INSTALLATIONS ABOVE 30' ABOVE GRADE,
 SHUTTERS ARE NOT REQUIRED

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE **JUL 17 2001**
 BY *Manuel Diaz*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. **00-0823.04**

MANUFACTURER
Crawford Tracey Corporation

PRODUCT DESCRIPTION
STORMWALL

ENGINEER
Wm M Meyers
FLA. 18755
STRUCTURAL
 Date: 06/03/09

REVISIONS

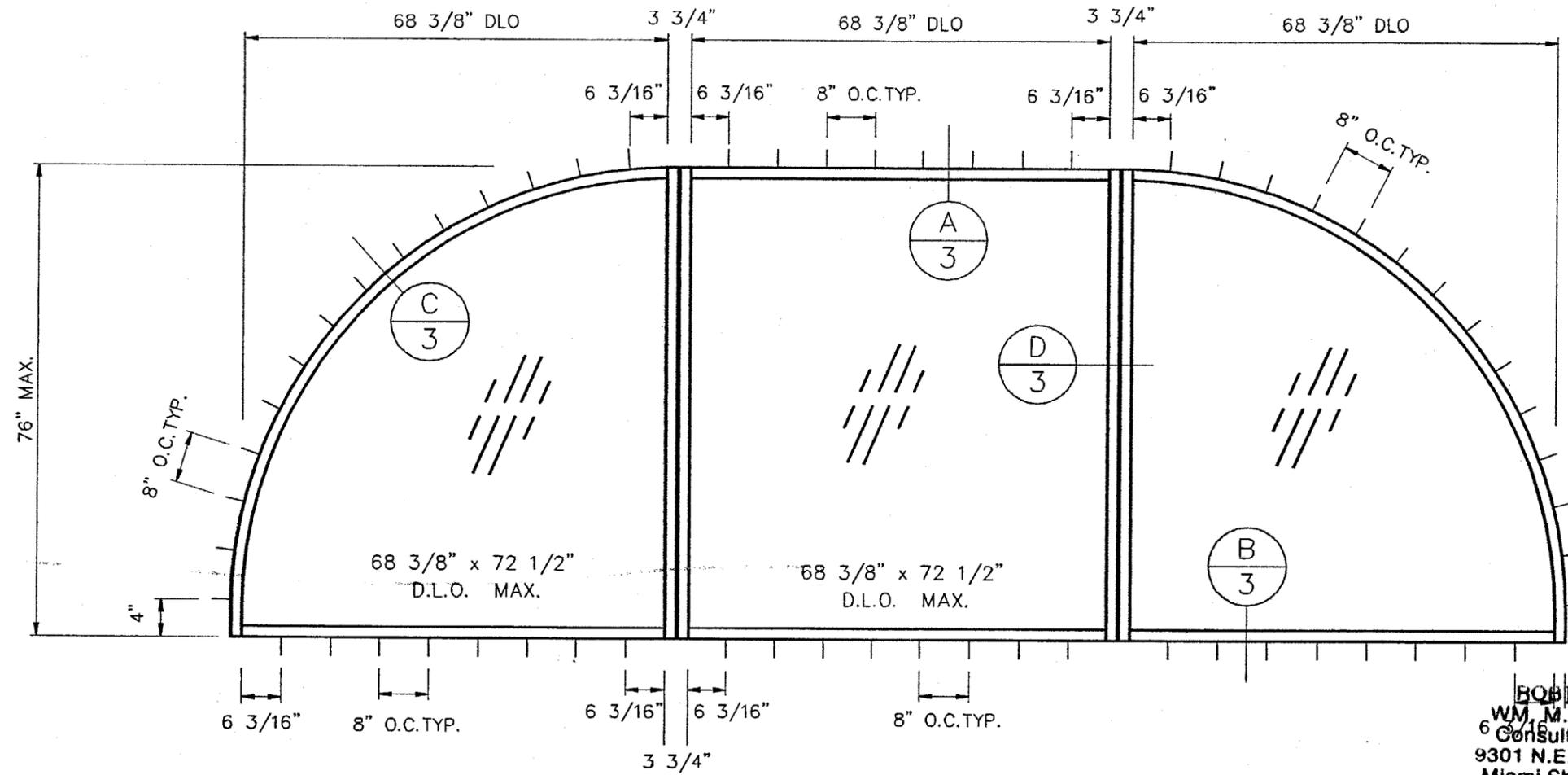
SCALE: **1/2"=1'-0"**
 DATE: **07 FEB 01**

DWG NUMBER FOR SET
 CTC-1

PAGE 1 OF 3

CTC STORMWALL

SMALL MISSILE IMPACT RESISTANT SYSTEM



BOB L. FISHER
WM. M. MEYERS, P.E.
 Consulting Engineers
 9301 N.E. 6th Ave. C-300
 Miami Shores, FL 33138
 (305) 758-3117 557-4006 Fax 362-6282

DESIGN PRESSURES: +75 -75 psf.

NOTE: SHUTTER REQUIREMENTS
 MIAMI DADE COUNTY APPROVED SHUTTERS
 WILL BE REQUIRED FOR INSTALLATIONS
 UP TO 30' ABOVE GRADE
 FOR INSTALLATIONS ABOVE 30' ABOVE GRADE,
 SHUTTERS ARE NOT REQUIRED

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUL 12 2001
 BY Manuel P. ...
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 02-0823.04

MANUFACTURER
Crawford Tracey Corporation

PRODUCT DESCRIPTION
STORMWALL

ENGINEER

FLA. 18755
STRUCTURAL
 Date: 06/07/01

REVISIONS

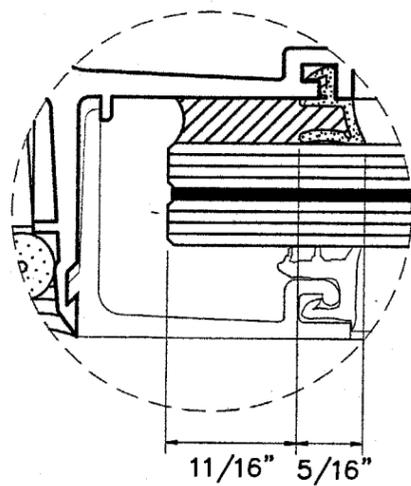
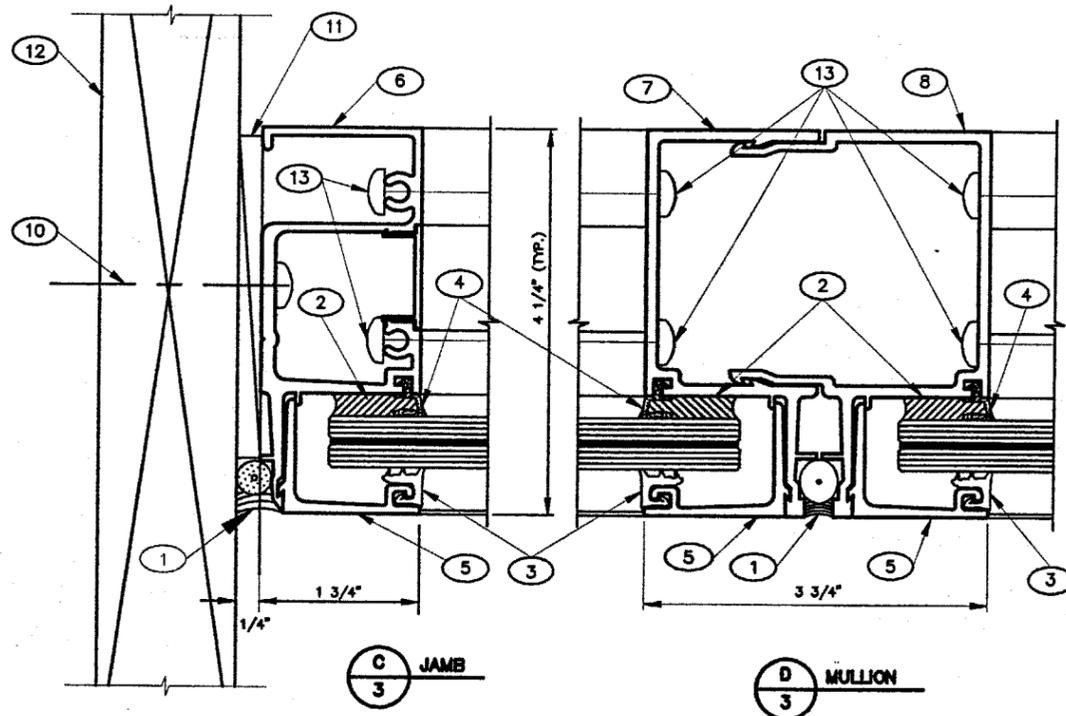
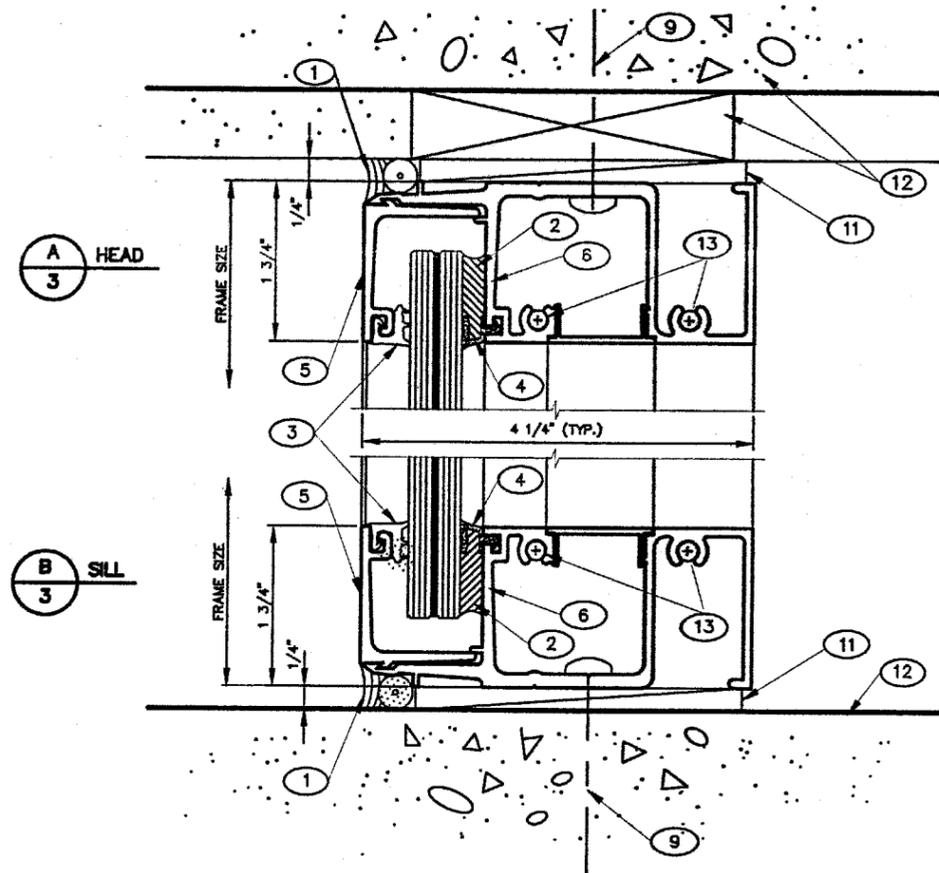
SCALE: **1/2"=1'-0"**
 DATE: **07 FEB 01**

DWG NUMBER FOR SET
 CTC-1

PAGE 2 OF 3

MATERIALS LIST

1	DOW CORNING "795" OR "983" SILICONE WETHERSEAL
2	DOW CORNING "983" STRUCTURAL SILICONE
3	H-63 EDPM BLACK PUSH-IN GASKET
4	BLACK POLYPROPYLENE SPACER/GASKET WIBORG VINYL PART# 0917-0001
5	I42F111 GLASS STOP ALUMINUM ALLOY 6063-T6
6	I42P111 FRAME ALUMINUM ALLOY 6063-T6
7	I42M112 - FEMALE INTERMEDIATE VERTICAL ALUMINUM ALLOY 6063-T6
8	I42M111 - MALE INTERMEDIATE VERTICAL ALUMINUM ALLOY 6063-T6
9	SEE ANCHORAGE CHART
10	SEE ANCHORAGE CHART
11	1/4" SHIM
12	1"x WOOD BUCK AND MASONRY, 2"x WOOD BUCK, CONCRETE, OR STEEL
13	1/4" X 1 1/4" PHILLIPS PAN HEAD S.S.S.M.S.



TYPICAL GLAZING DETAIL

ROBT. E. FISHER
 WM. M. MEYERS, P.E.
 Consulting Engineers
 9301 N.E. 6th Ave. C-300
 Miami Shores, FL 33138
 (305) 758-3117 557-4006 Fax 362-6282

ANCHORAGE	
(SEE ELEVATIONS FOR LOCATION AND SPACING)	
1/4"	304 - STAINLESS STEEL TAPPERS BY RAWL/POWERS WITH 1 1/2" EMBEDMENT INTO CONCRETE OR 1 1/4" EMBEDMENT INTO C.M.U.
1/4"	TAPCONS BY ELCO OR BUILDEX WITH 1 1/2" EMBEDMENT INTO CONCRETE OR 1 1/4" EMBEDMENT INTO C.M.U.
1/4"	STAINLESS STEEL S.M.S. WITH 1 1/2" EMBEDMENT INTO 2X WOOD BUCKS
1/4"	TEK SCREWS, OR TYPE "F" SELF THREADING MACHINE SCREWS - GRADE 2 MIN. INTO 1/8" THICK STEEL MINIMUM

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE JUL 12 2001 BY Manual PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0823.04

MANUFACTURER
Crawford Tracey Corporation

PRODUCT DESCRIPTION
STORMWALL

ENGINEER

FLA. 18755 STRUCTURAL
 Date: 06/09/01

REVISIONS

SCALE: **HALF SIZE**
 DATE: **07 FEB 01**

DWG NUMBER FOR SET
 CTC-1

PAGE **3 OF 3**