



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

Extech/Exterior Technologies, Inc.
200 Bridge Street
Pittsburgh PA 15223

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 5300 Outswing Aluminum Top-Hinged Window

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.: 00-0421.01

Expires: 12/12/2002

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: 06/22/2000



Extech/Exterior Technologies, Inc.

ACCEPTANCE No. : 00-0421.01

APPROVED : JUN 22 2000

EXPIRES : December 12, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This **renews** the Notice of Acceptance No. 95-0403.02, which was issued on December 12, 1996. It approves an aluminum top-hinged 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 5300 Outswing Aluminum Top-Hinged Window**, and its components shall be constructed in strict compliance with the following documents: Drawing No **5300-5**, titled "Series 5300 Window System" Sheets 1 through 5 of 5, dated March 10, 2000, prepared by Engineering Analytics, Inc. They bear 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, as shown approved drawings.
3.2 Vents may be fixed to frame and do not require operating hardware as specified in the approved drawings.

4. INSTALLATION

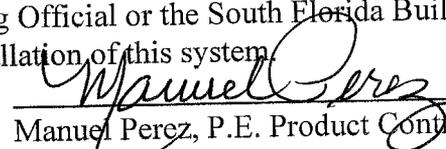
- 4.1** The aluminum top-hinged window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protective system.

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

Extech/Exterior Technologies, Inc.

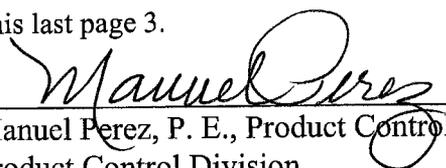
ACCEPTANCE No. : 00-0421.01

APPROVED : JUN 22 2000

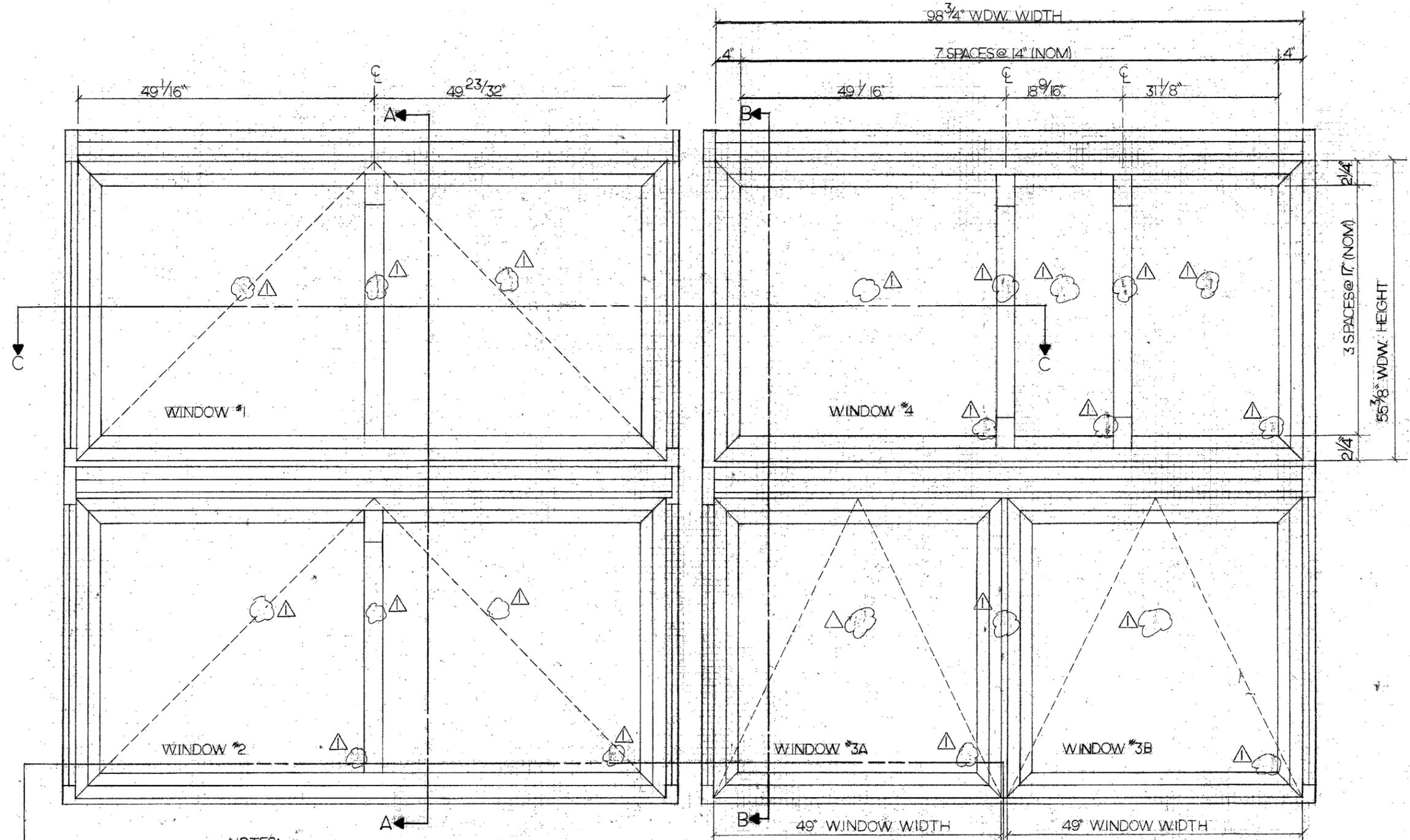
EXPIRES : December 12, 2002

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



- NOTES:**
1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY, ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
 2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 3. ANCHORS SHALL BE LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 4. WINDOW CAN BE USED AS A PRIMARY UNIT, AS WELL AS AN OVERGLAZING OR INNERGLAZING.



 TYPICAL WINDOW SIZES AND FASTENER SPACINGS

 DESIGN PRESSURE RATING: +90 / -90

IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED

TYPICAL ELEVATIONS

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE June 22, 2000
 BY Manuel
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0421.01

REVISION	DATE
REV. PER BCCO	6/9/00

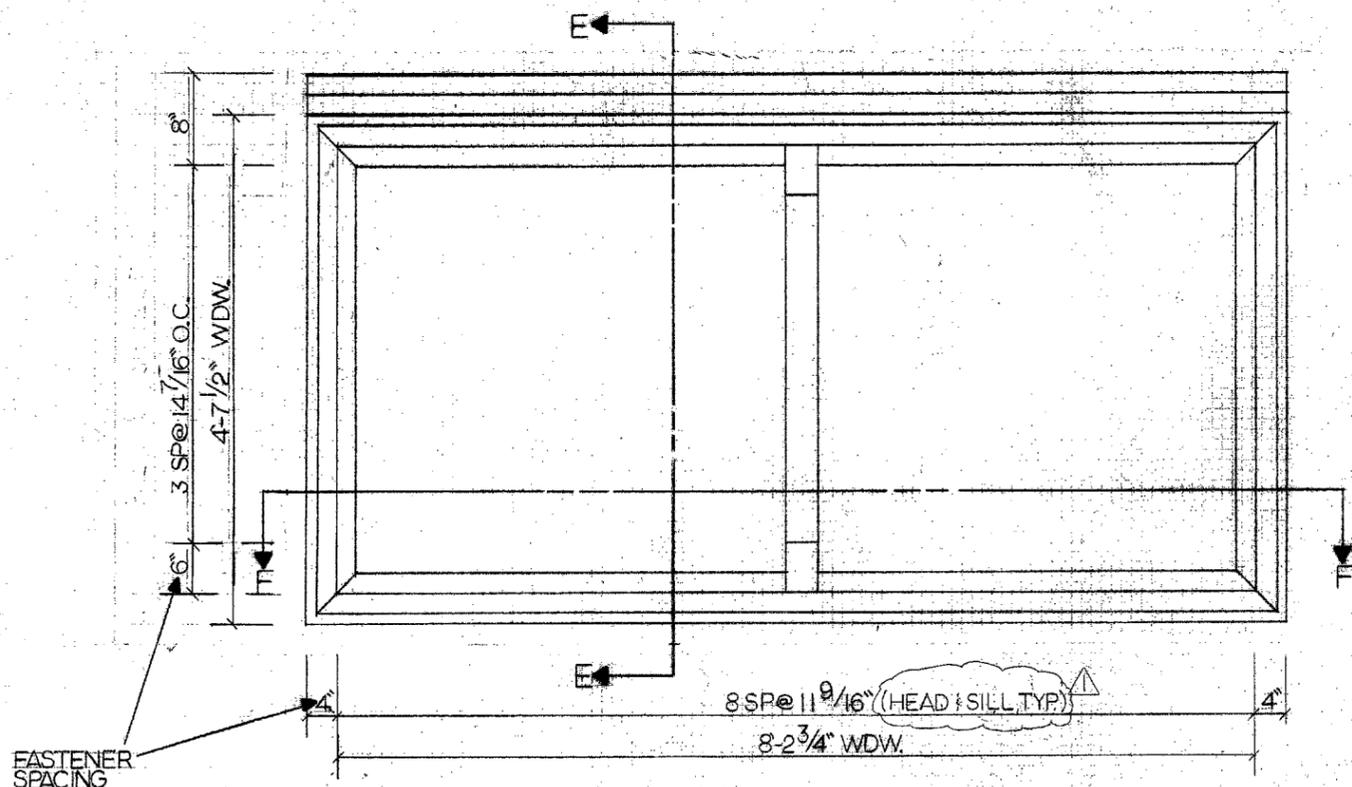
SERIES 5300
 WINDOW SYSTEM

ENGINEERING ANALYTICS, INC.
 2455 S.W. 27 AVENUE
 SUITE 230
 MIAMI, FLORIDA 33145
 (305) 885-9543

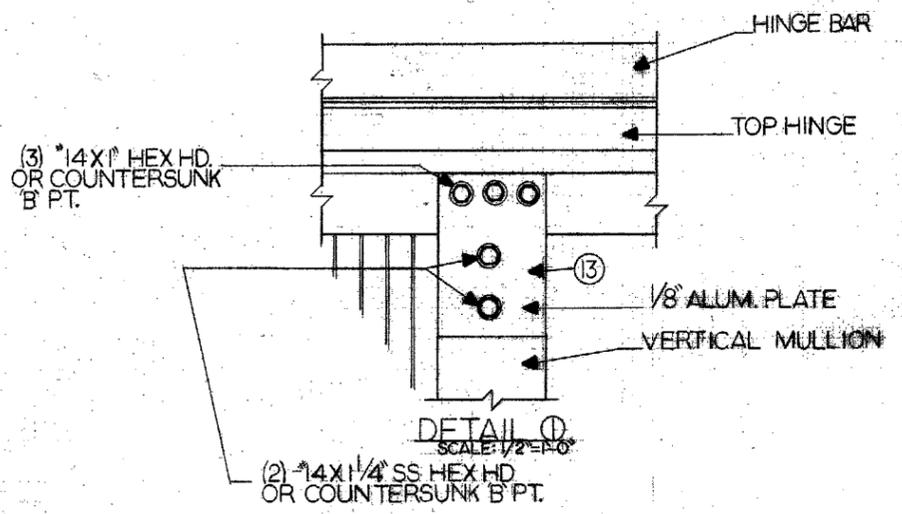
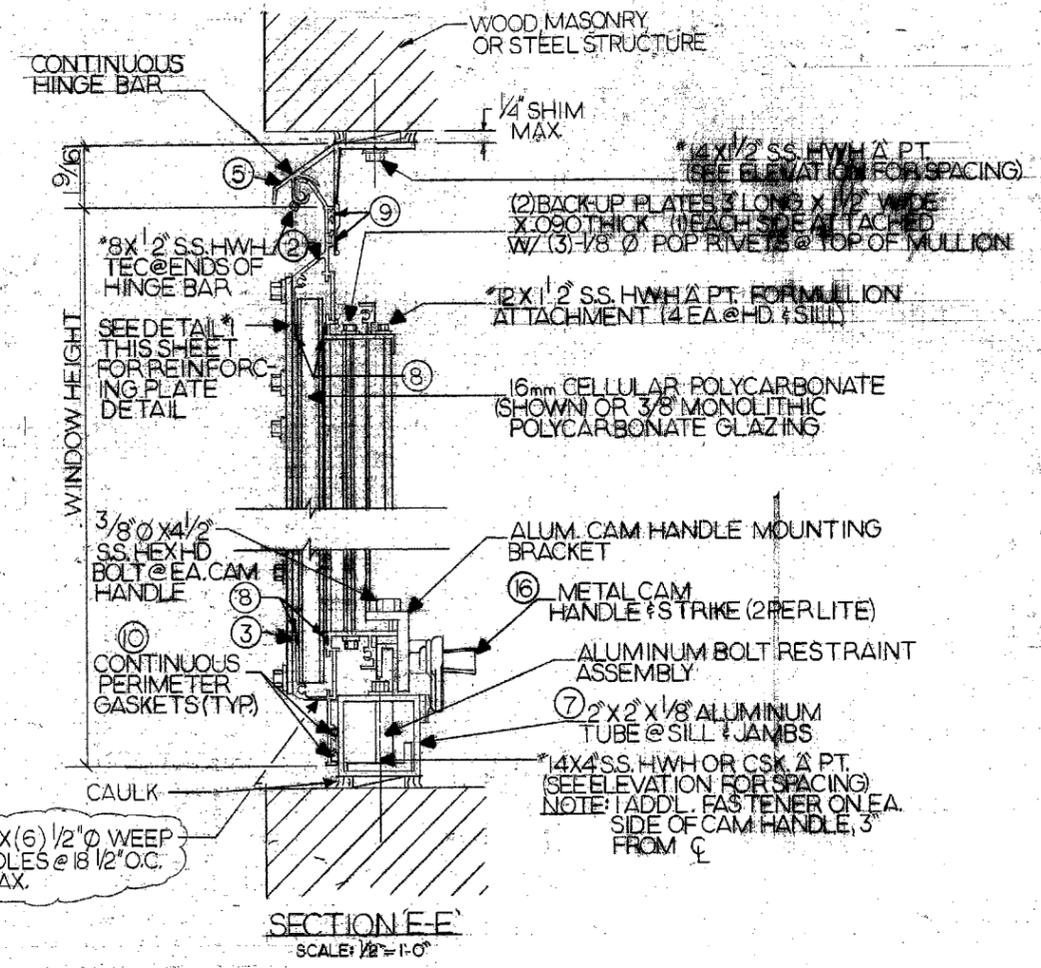
EXTECH
 EXTERIOR TECHNOLOGIES INC.
 200 BRIDGE STREET
 PITTSBURGH, PA 15223
 PHONE: (412) 781-0991 FAX: (412) 781-9303

TAB
 ADL
 JUN 23 2000
 NTS
 5300-5
 SHEET
 OF 5 SHEETS

REVISION	DATE
REV PER BCCO	6/9/00



TYPICAL ELEVATION



WOOD BUYS NOT BY EXTECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE

TYPICAL ANCHORS SEE ELEVATIONS FOR SPACING
 INTO 2X WOOD BUYS OR WOOD STRUCTURE
 *14 S.S. SMS WITH 1 1/2" MIN EMBED INTO WOOD THRU 1X WOOD BUYS INTO MASONRY OR DIRECTLY INTO MASONRY
 1/4" ITW TAPCONS WITH 1 1/4" MIN EMBED INTO MASONRY
 INTO STEEL OR METAL STRUCTURES (1/8" MIN THICKNESS)
 *14 S.S. SMS OR TEK SCREWS
 GLAZING BITE: 1" MIN. TYPICAL

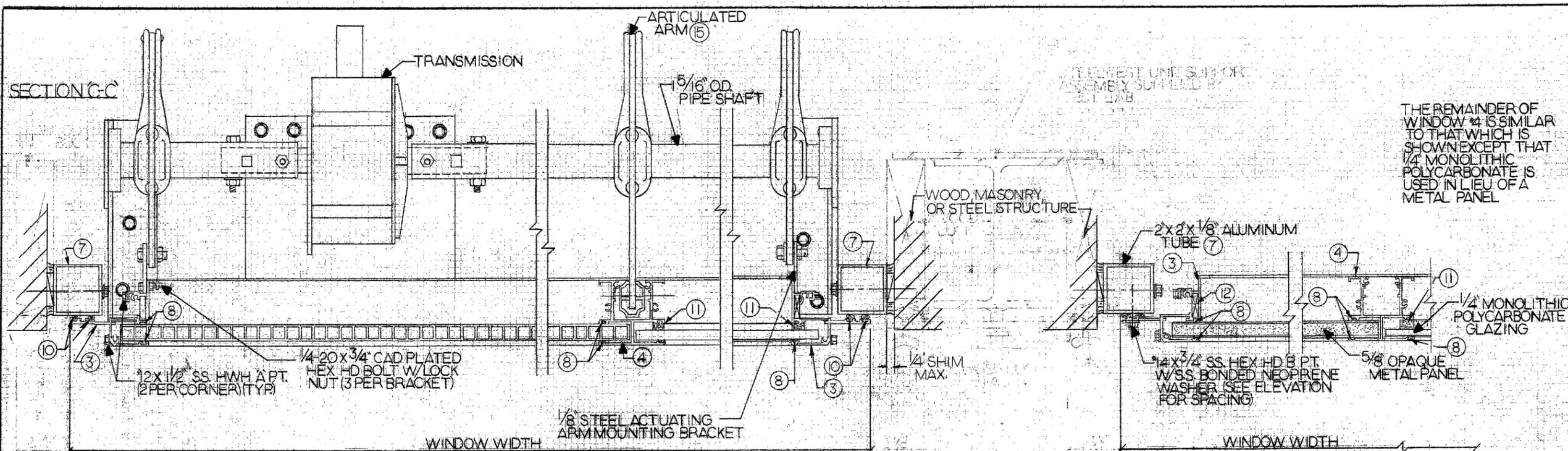
ENGINEERING ANALYTICS, INC.
 2455 SW 27th AVENUE
 SUITE 100
 PITTSBURGH, PA 15223
 (412) 281-9303
 FAX (412) 281-9303

EXTECH TECHNOLOGIES, INC.
 100 RIDGE STREET
 PITTSBURGH, PA 15223
 PHONE (412) 781-0991 FAX (412) 781-9303

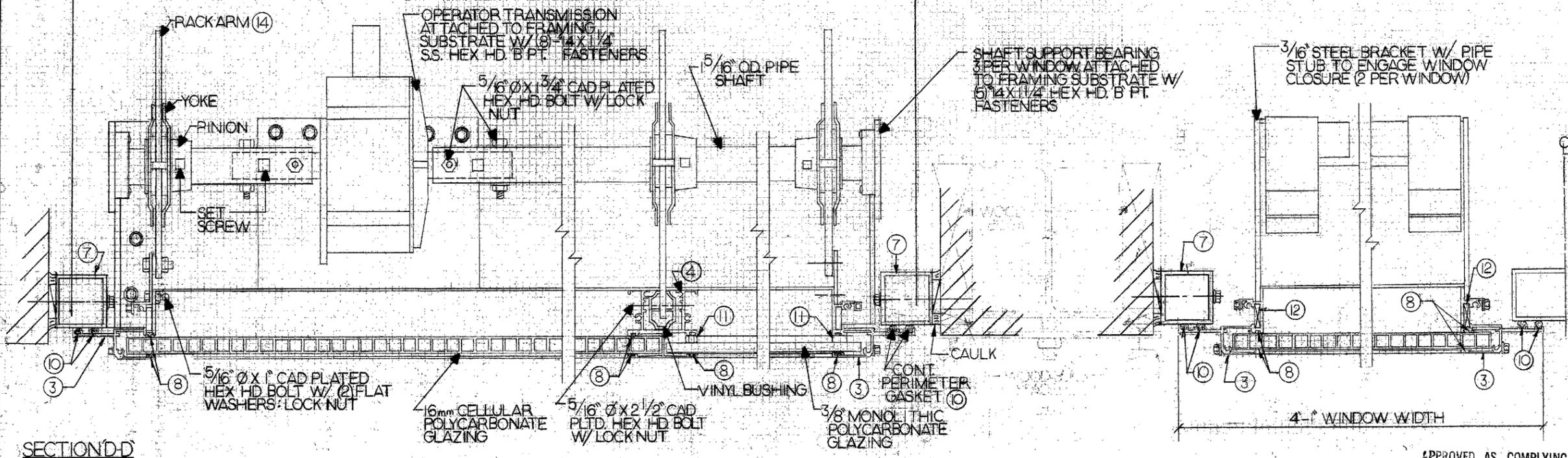
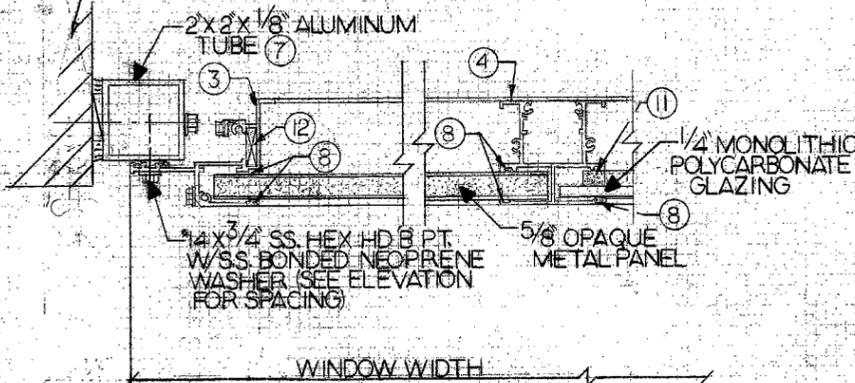
DESIGN	DATE
BY	DATE
PRODUCT CONTROL DIVISION	DATE
BUILDING CODE COMPLIANCE OFFICE	DATE
ACCEPTANCE NO. 00-0421-01	DATE

AS SHOWN
 5300-5
 SHEET
 2
 OF 5 SHEETS

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE June 22, 2000
 BY *Manuel Serviz*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0421-01



THE REMAINDER OF WINDOW #4 IS SIMILAR TO THAT WHICH IS SHOWN EXCEPT THAT 1/4" MONOLITHIC POLYCARBONATE IS USED IN LIEU OF A METAL PANEL



WINDOW #3B IS SIMILAR TO WINDOW #3A EXCEPT IT IS GLAZED W/ 3/8" MONOLITHIC POLYCARBONATE GLAZING

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE *June 22, 2000*
 BY *Manuel*
 PRODUCT CONTROL DIV'S ON
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *00-0421-01*

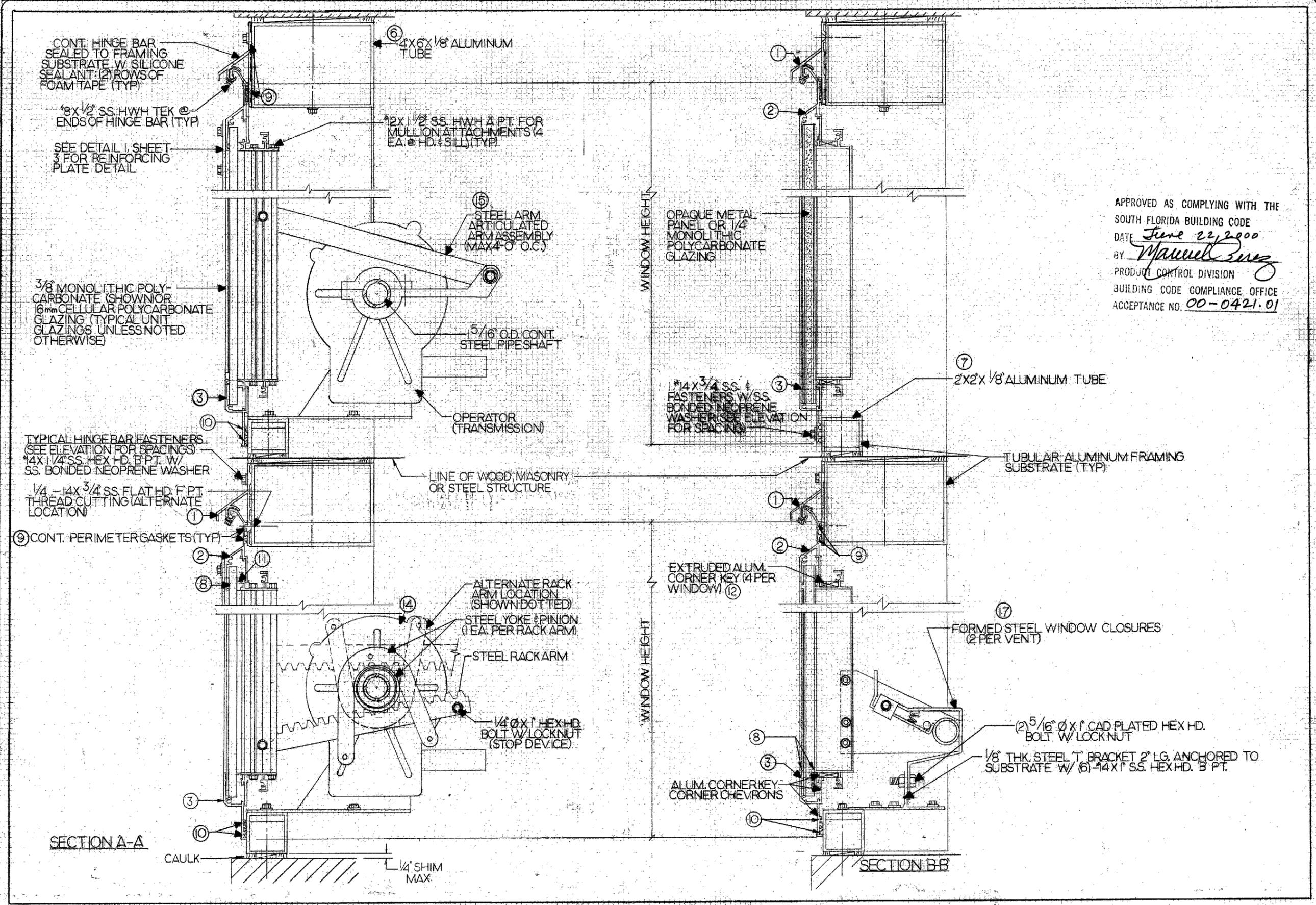
REVISION	DATE
NO CHANGE	6/16/00

SERIES 5300 WINDOW SYSTEM

ENGINEERING ANALYTICS, INC.
 2455 S.W. 27 AVENUE
 SUITE 230
 MIAMI, FLORIDA 33145
 (305) 285-9543

EXTECH TECHNOLOGIES, INC.
 200 BRIDGE STREET
 PITTSBURGH, PA 15223
 PHONE (412) 781-0991 FAX (412) 781-9303

DRAWN	LAR
CHECKED	ADL
DATE	3-22-00
SCALE	1/2" = 1'-0"
JOB NO.	5300-5
SHEET	5
OF 5 SHEETS	



CONT. HINGE BAR
SEALED TO FRAMING
SUBSTRATE W/ SILICONE
SEALANT; (2) ROWS OF
FOAM TAPE (TYP)

1/8" x 1/2" SS. HWH TEK @
ENDS OF HINGE BAR (TYP)

SEE DETAIL I, SHEET
3 FOR REINFORCING
PLATE DETAIL

4" x 6" x 1/8" ALUMINUM
TUBE

1/2" x 1/2" SS. HWH A.P.T. FOR
MULLION ATTACHMENTS (4
EA. @ HD. & SILL) (TYP)

STEEL ARM
ARTICULATED
ARM ASSEMBLY
(MAX 4' 0" O.C.)

3/8" MONOLITHIC POLY-
CARBONATE (SHOWN OR
16mm CELLULAR POLYCARBONATE
GLAZING (TYPICAL UNIT
GLAZINGS UNLESS NOTED
OTHERWISE)

5/16" O.D. CONT.
STEEL PIPE SHAFT

OPERATOR
(TRANSMISSION)

TYPICAL HINGE BAR FASTENERS
(SEE ELEVATION FOR SPACINGS)
1/4" x 1/4" SS. HEX HD. B.P.T. W/
SS. BONDED NEOPRENE WASHER

LINE OF WOOD, MASONRY
OR STEEL STRUCTURE

1/4" - 1/4" x 3/4" SS. FLAT HD. F.P.T.
THREAD CUTTING (ALTERNATE
LOCATION)

CONT. PERIMETER GASKETS (TYP)

ALTERNATE RACK
ARM LOCATION
(SHOWN DOTTED)

STEEL YOKE & PINION
(1 EA. PER RACK ARM)

STEEL RACK ARM

1/4" x 1" HEX HD.
BOLT W/ LOCKNUT
(STOP DEVICE)

EXTRUDED ALUM.
CORNER KEY (4 PER
WINDOW)

2" x 2" x 1/8" ALUMINUM TUBE

WINDOW HEIGHT

FORMED STEEL WINDOW CLOSURES
(2 PER VENT)

(2) 5/16" x 1" CAD PLATED HEX HD.
BOLT W/ LOCKNUT

1/8" THK. STEEL T BRACKET 2" LG. ANCHORED TO
SUBSTRATE W/ (6) 1/4" x 1" SS. HEX HD. B.P.T.

ALUM. CORNER KEY
CORNER CHEVRONS

SECTION B-B

SECTION A-A

CAULK

1/4" SHIM
MAX.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 22, 2000*
BY *Manuel Sures*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0421.01*

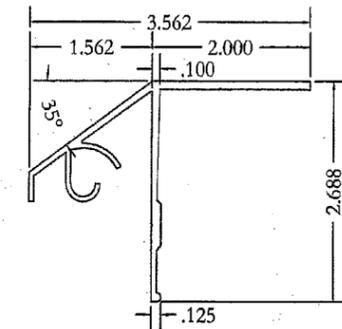
REVISION	DATE
NO CHANGE	9/6/00

SERIES 5300
WINDOW SYSTEM

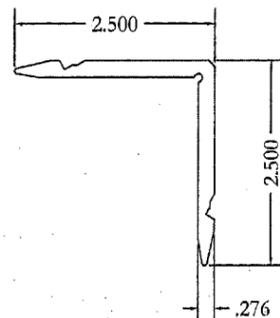
ENGINEERING ANALYTICS, INC.
2455 S.W. 27 AVENUE
SUITE 230
MIAMI, FLORIDA 33145
(305) 226-9543

EXTTECH
EXTERIOR TECHNOLOGIES INC
200 BRIDGE STREET
PITTSBURGH, PA 15223
PHONE (412) 781-0991 FAX (412) 781-9003

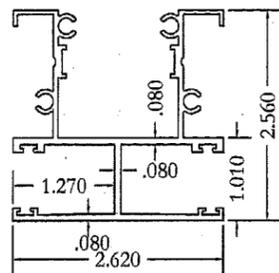
DRAWN BY
CHECKED
ADL
DATE
3-27-00
SCALE
1/2" = 1'-0"
JOB NO.
5300-5
SHEET
A
OF 5 SHEETS



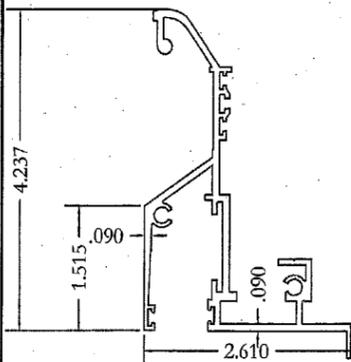
FLANGE MOUNT HINGE BAR



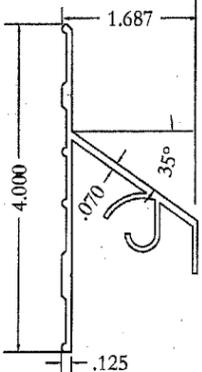
CORNER KEY



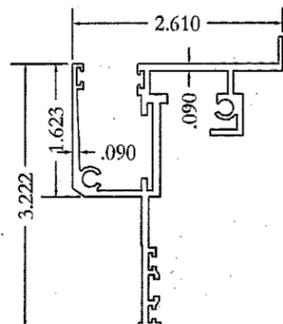
MULLION



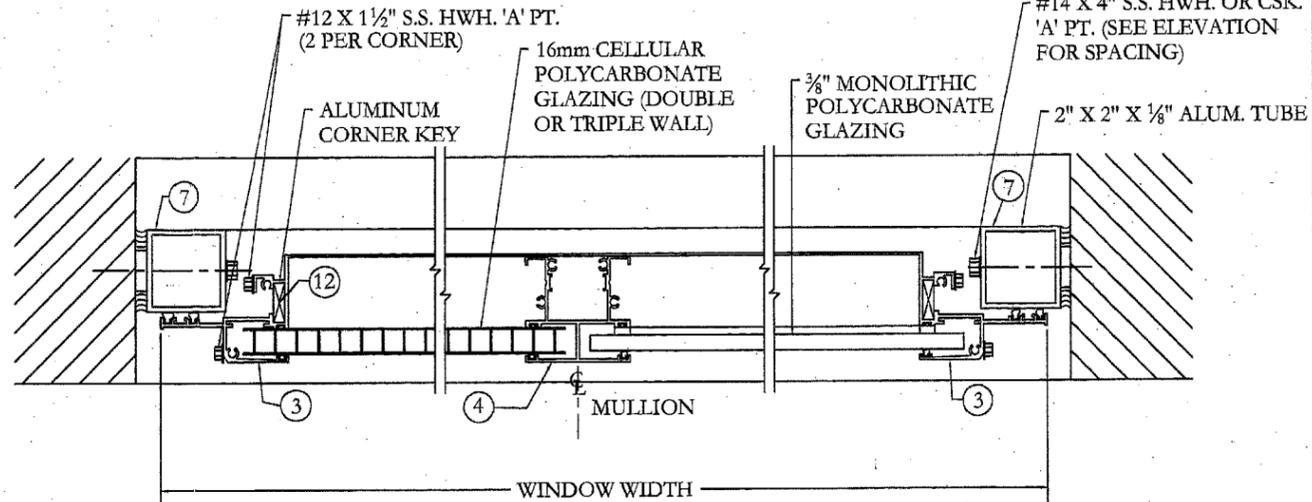
TOP HINGE



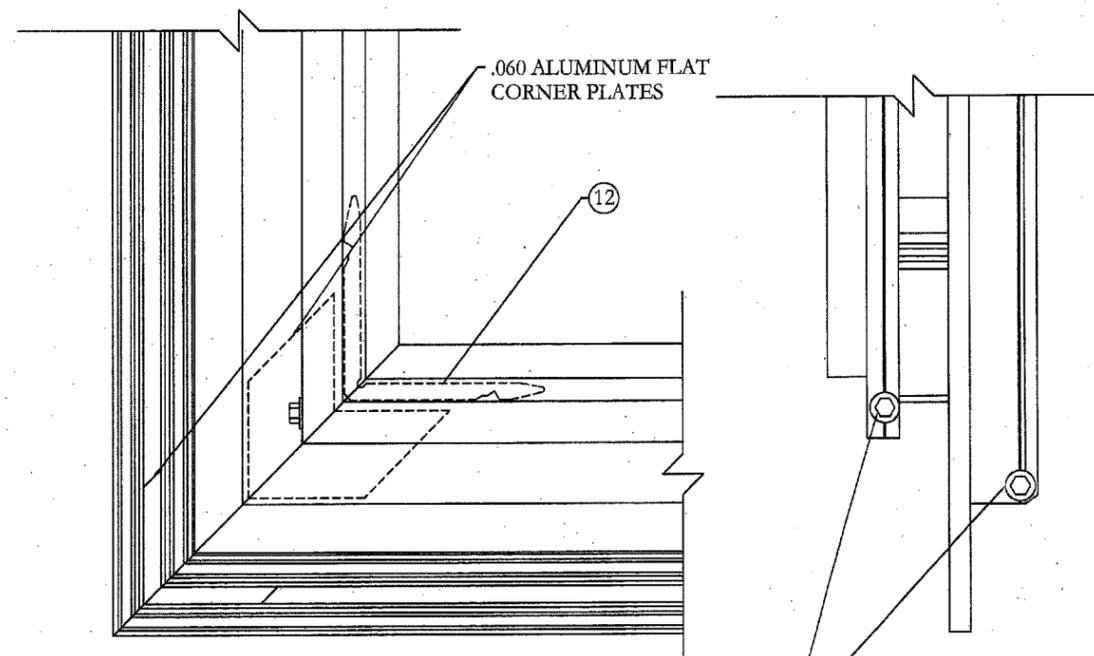
FLUSH MOUNT HINGE BAR



JAMB/SILL



SECTION "F-F"



CORNER ASSEMBLY

ITEM	PART #	REQ'D	DESCRIPTION	MATERIAL	MANUFACTURER/SUPPLIER/REMARKS
1	S-17010	1	FLUSH MOUNT HINGE BAR	6063-T5	KEYMARK
2	S-21081	1	TOP HINGE	6063-T5	KEYMARK
3	S-21082	3	JAMB/SILL	6063-T5	KEYMARK
4	S-16061	1	MULLION	6063-T5	KEYMARK
5	S-25282	1	FLANGE MOUNT HINGE BAR	6063-T5	KEYMARK
6	H-04778	1	4" X 6" X 1/8" TUBE	6063-T5	KEYMARK
7	H-00100	3	2" X 2" X 1/8" ALUM. TUBE	6063-T5	KEYMARK
8	Q 150 X 190	1/2 ROWS	GASKET WEATHERSEAL		SCHLEGEL CORP.
9	Q 225 X 190	2 ROWS	GASKET WEATHERSEAL		SCHLEGEL CORP.
10	Q 300 X 190	2 ROWS	GASKET WEATHERSEAL		SCHLEGEL CORP.
11	GAS-2	1 ROW	GASKET WEATHERSEAL		MONTVILLE
12	S-16058	1/CORNER	CORNER KEY	6063-T5	KEYMARK
13	S-04727	2/MULLION	2 1/2" X 4" X 1/8" ALUMINUM PLATE	6063-T5	KEYMARK
14		1/VERTICAL FRAMING MEMBER	THREE-POINT RACK AND PINION ARM MECHANISM, 1/4" X 1/4"	STEEL	DAYTON METAL PRODUCTS, INC.
15	#202-I.2	1/VERTICAL FRAMING MEMBER	OPERATING ARM	STEEL	DAYTON METAL PRODUCTS, INC.
16		2 PER LITE OPENING	CAM HANDLE & STRIKE ASSEMBLY	STEEL	EXTECH/EXTERIOR TECHNOLOGIES, INC.
17		2	MINIMUM 1/8 THICK FABRICATED LATCHING MECHANISM 2" WIDE FABRICATED OF MIN. 1/8" THICK STEEL, LOCATED AT SILL 4" FROM END MULLIONS AND 4" FROM INTERMEDIATE MULLIONS.	STEEL	EXTECH/EXTERIOR TECHNOLOGIES, INC.
18		2	1-1/2" X 3" X 14 GA. (.090") STEEL PLATE ATTACHED USING THREE 1/8"Ø POP RIVETS TO RAIL AND MULLION LOCATE ONE AT EACH VERTICAL MULLION/RAIL JOINT ON INTERIOR SIDE.	STEEL	EXTECH/EXTERIOR TECHNOLOGIES, INC.

REVISIONS	DATE
REV. PER	6-6-00
BCCO	

SERIES 5300
WINDOW SYSTEM

ENGINEERING ANALYTICS, INC.
2455 S.W. 27 AVENUE
SUITE 230
MIAMI, FLORIDA 33145
(305) 285-9543

EXTECH
EXTERIOR TECHNOLOGIES, INC.
200 BRIDGE STREET
PITTSBURGH, PA 15223
PHONE (412) 781-0991 FAX (412) 781-9303

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 22, 2000
BY Manuel Jara
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0421.01

DRAWN	LAR
CHECKED	
DATE	04-03-00
SCALE	1:1
JOB NO.	5300-5
SHEET	5
	OF 5 SHEETS