



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

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

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "5300" Outswing Aluminum Top Hinged Window**

**APPROVAL DOCUMENT:** Drawing No. **5300-5**, titled "Series 5300 Window System", sheets 1 through 5 of 5, prepared by Engineering Analytics, Inc., dated 3/10/00, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** 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", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** NOA # **00-0421.01** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0919.04  
Expiration Date: December 12, 2007  
Approval Date: November 14, 2002  
Page 1**

**Extech/Exterior Technologies, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **5300-5**, titled "Series 5300 Window System", sheets 1 through 5 of 5, prepared by Engineering Analytics, Inc., dated 3/10/00.

**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  
along with installation diagram of an aluminum top hinged window prepared by Professional Service Industries, Inc., Report No. **PSI-823-46106** dated March 28, 1995, signed and sealed by Daniel Gilbert Farabaugh, P.E.
2. Test reports on 1) Large Missile Impact Test, per PA 201-94.  
2) Cyclic Wind Pressure Loading, per PA 203-94.  
along with installation diagram of an aluminum top hinged window prepared by American Test Lab. of South Florida, Report No. **ATL-1215.01-94** dated Dec. 18, 1994, signed and sealed by Jose D. Mitrani, P.E.
3. Test reports on 1) Forced Entry Resistance Test, per AAMA 1302.5-76.  
along with installation diagram of an aluminum top hinged window prepared by American Test Lab. of South Florida, Report No. **ATL-1220.01-94** dated Dec. 24, 1994, signed and sealed by Jose D. Mitrani, P.E.
4. Test reports on 1) Large Missile Impact Test, per PA 201-94.  
along with installation diagram of an aluminum top hinged window with angle hinge bar, prepared by Farabaugh Engineering and Testing, Inc., Report No. **FETI-T136-96** dated October 31, 1996, signed and sealed by Daniel Gilbert Farabaugh, P.E.
5. Test reports on 1) Uniform Static Air Pressure Test, Loading per PA 202-94  
along with installation diagram of an aluminum top hinged window with angle hinge bar, prepared by Farabaugh Engineering and Testing, Inc., Report No. **FETI-T137-96** dated October 31, 1996, signed and sealed by Daniel Gilbert Farabaugh, P.E.

**C. CALCULATIONS**

1. Anchor calculations for Series 5300 Top Hinged Window System by Engineering Analytics, Inc. dated 5/26/95, signed and sealed by Carol D. Hays, P.E

**D. MATERIAL CERTIFICATIONS**

None

  
Manuel Perez, P.E.  
Product Control Examiner

NOA No 02-0919.04

Expiration Date: December 12, 2007

Approval Date: November 14, 2002

**Extech/Exterior Technologies, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

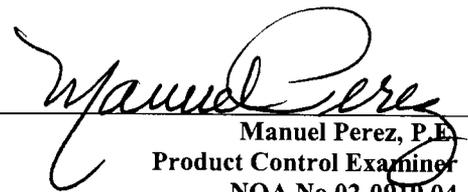
(For File ONLY. Not part of NOA)

**E. STATEMENTS**

1. Statement letter of no change, issued by Extech/Exterior Technologies, Inc., signed by Alan Lohr, dated 11/6/02.
2. Letter from Engineering Analytics, Inc., dated 11/9/02, stating that the engineer who performed the review of the product is still in the engineering business.

**F. OTHER**

1. Notice of Acceptance No. 00-0421.01, issued to Extech/Exterior Technologies, Inc. for their Series "5300" Outswing Aluminum Top Hinged Window, approved on 6/22/00 and expiring on 12/12/02.

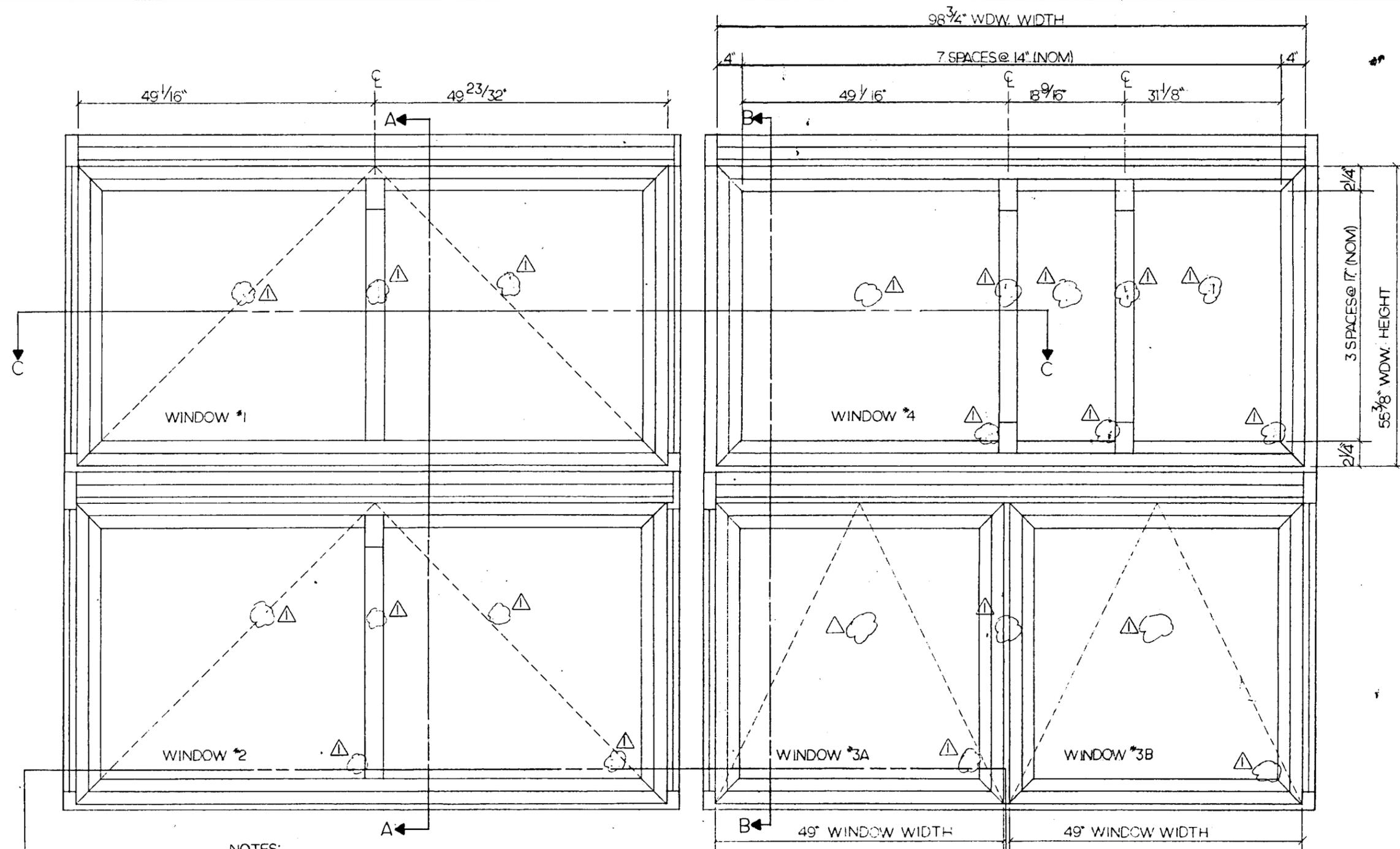


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Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-0919.04

Expiration Date: December 12, 2007

Approval Date: November 14, 2002



REV.	DATE
1	6/1/00

ENGINEERING ANALYTICS, INC.  
 2455 SW. 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

DESIGNED BY  
 CHECKED BY  
 DATE  
 5/30/00  
 NTS  
 5300-5  
 SHEET

OF 5 SHEETS

- 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.



DESIGN PRESSURE RATING: +90  
 -90

IMPACT RESISTANT WINDOWS  
 SHUTTERS NOT REQUIRED

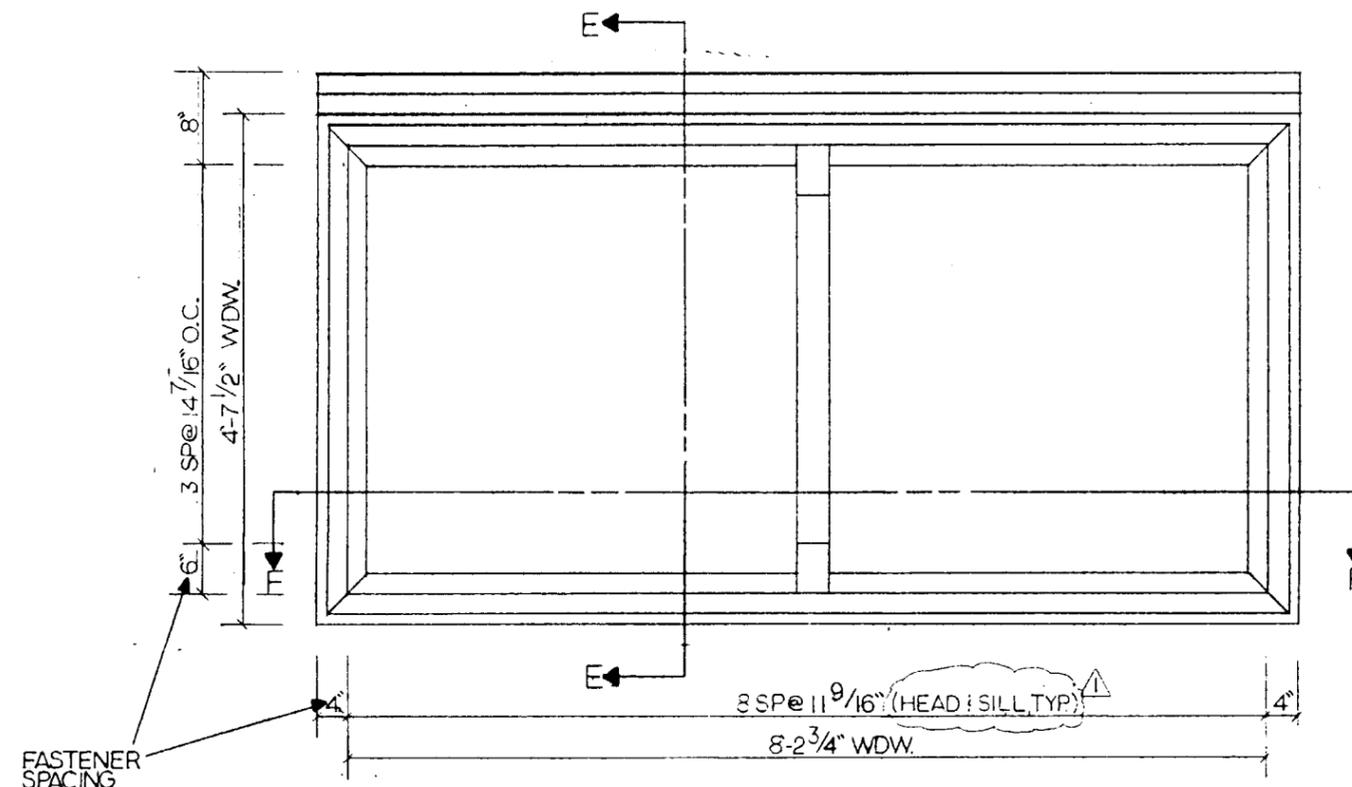
**TYPICAL ELEVATIONS**

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 02-091904  
 Expiration Date 12/1/2007

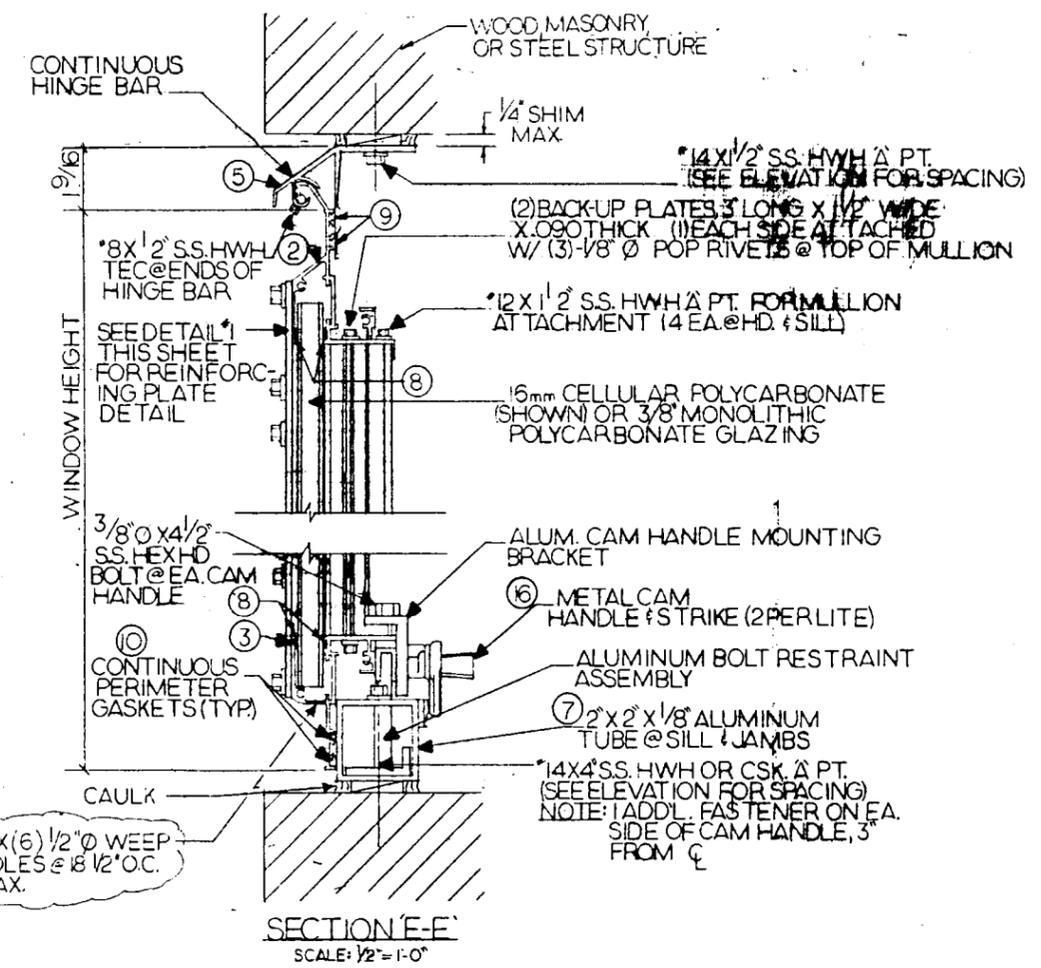
By *Manuel Perez*  
 Miami Dade Product Control  
 Division

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

REVISION	DATE
REV PER BCCO	6/90



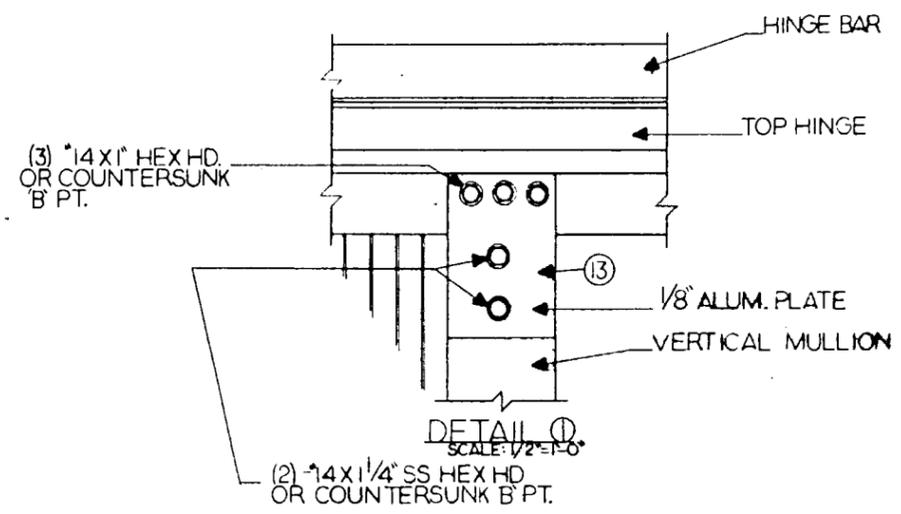
TYPICAL ELEVATION



SIX (6) 1/2" Ø WEEP HOLES @ 18 1/2" O.C. MAX.

WOOD BUCKS 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 BUCKS OR WOOD STRUCTURE  
 \*14 S.S. SMS WITH 1 1/2" MIN EMBED INTO WOOD  
 THRU 1X WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY  
 1/4" ITW TAPCONS WITH 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



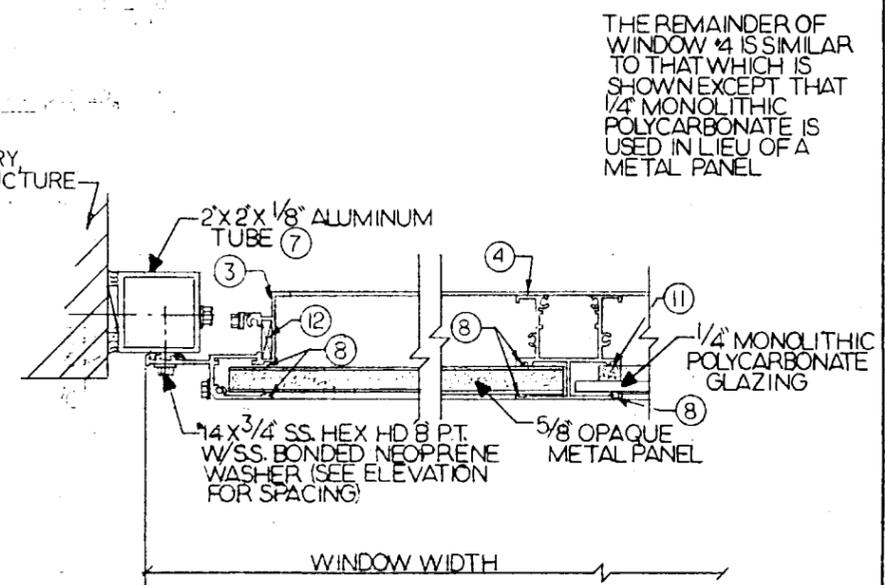
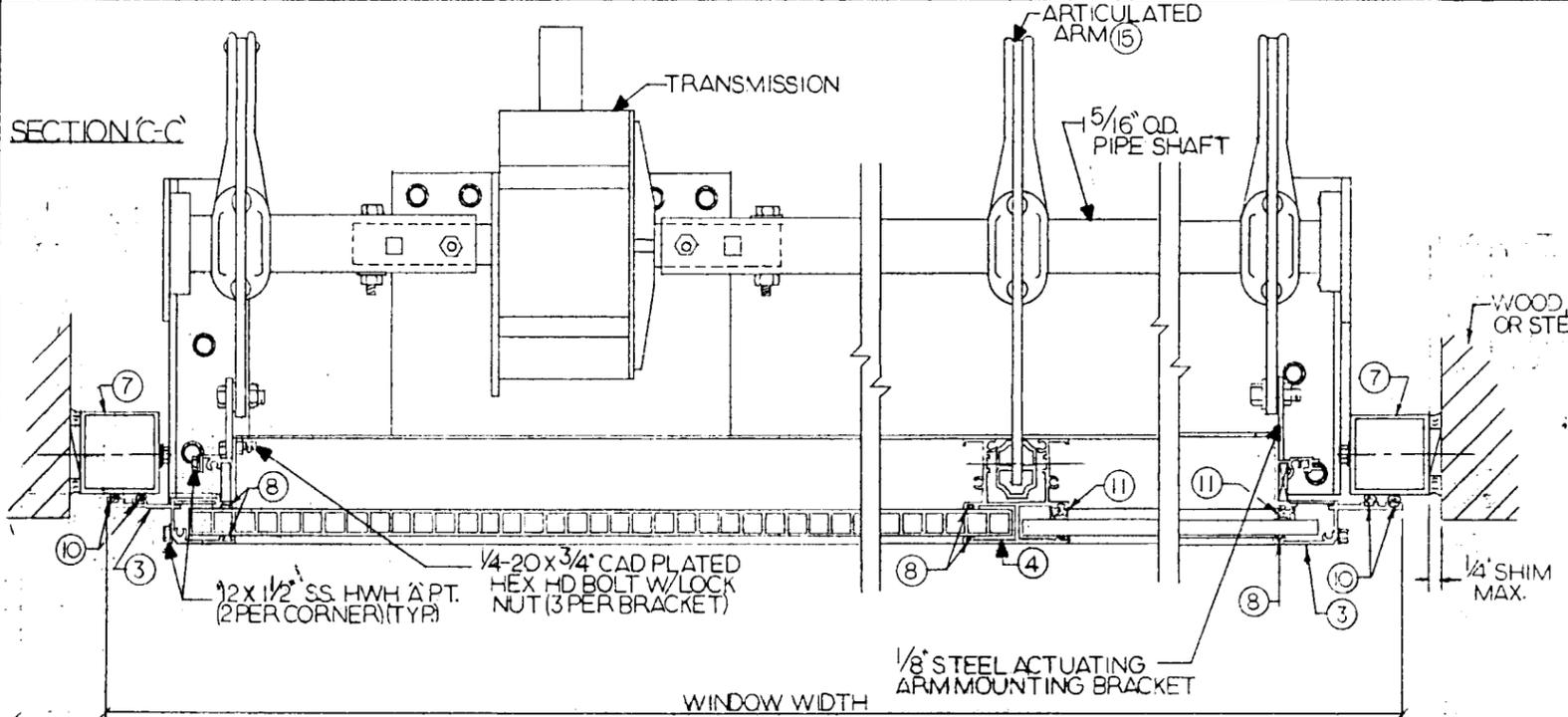
PRODUCT RENEWED  
 as complying with the Florida Building Code  
 Acceptance No. 02-0919.04  
 Expiration Date 12/1/07  
 By *Maurice Perez*  
 Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE *June 22, 2009*  
 BY *Maurice Perez*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0421-01

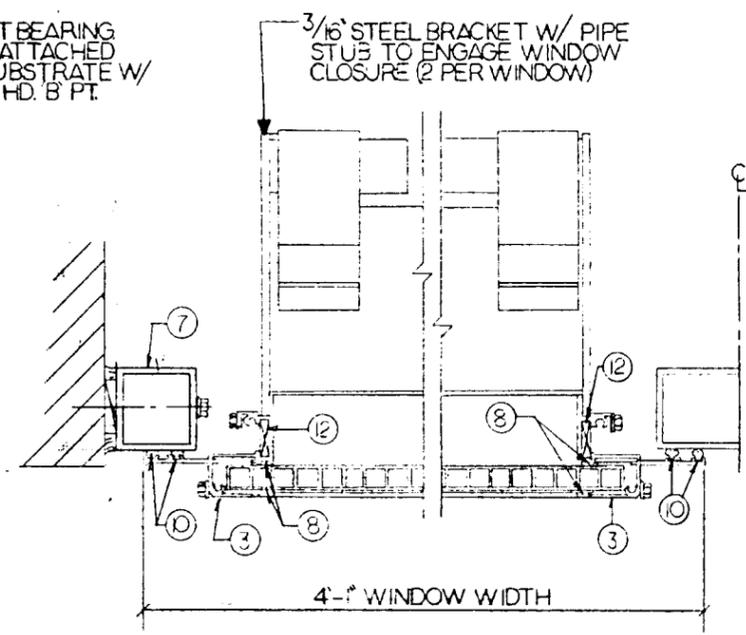
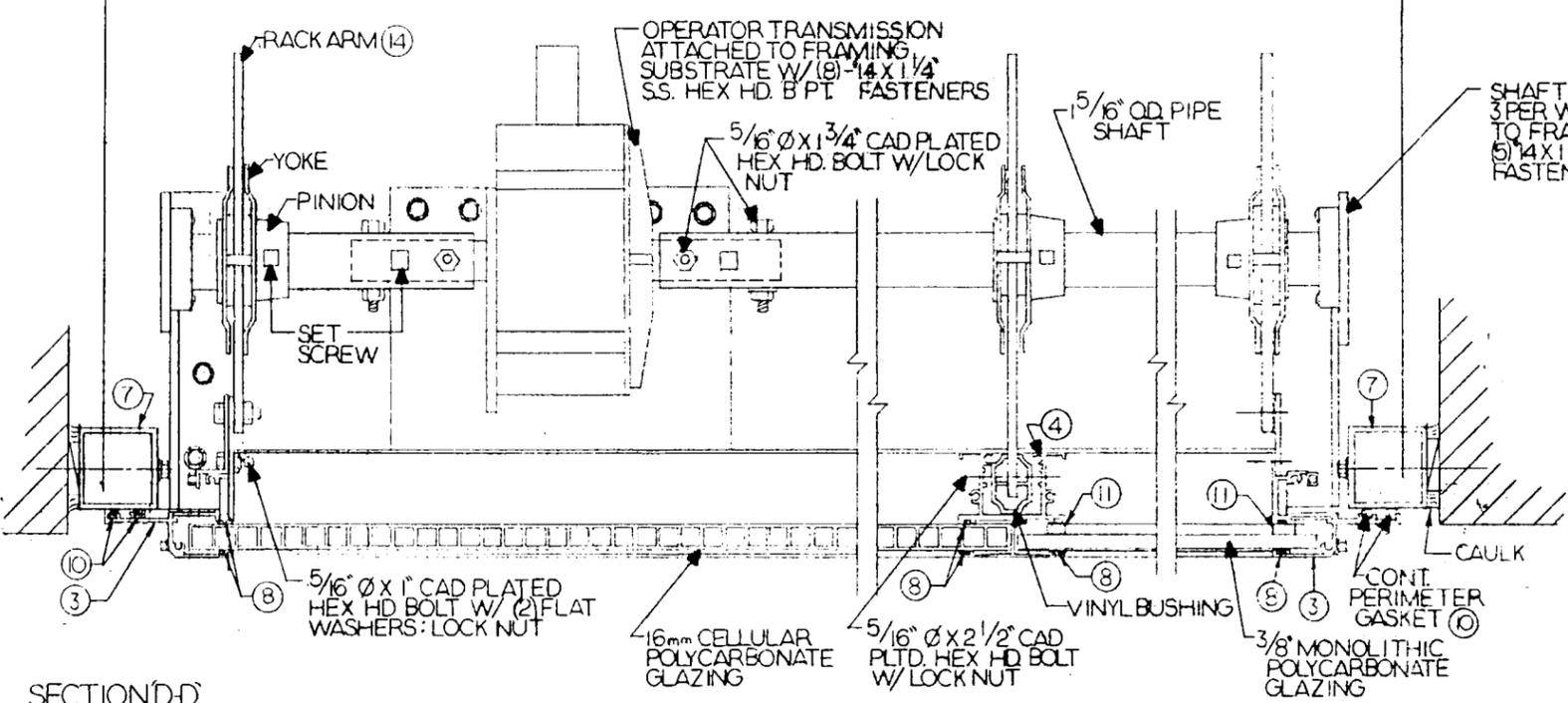
SERIES 5300 WINDOW SYSTEM

EXTECH ENGINEERING ANALYTICS, INC.  
 2455 SW 27 AVENUE SUITE 210 MIAMI FL 33135 (305) 255-9345  
 EXTECH EXTERIOR TECHNOLOGIES, INC.  
 200 BRIDGE STREET PITTSBURGH, PA 15223  
 PHONE (412) 781-0991 FAX (412) 781-9303

DRAWN	
CHECKED	
DATE	
3-16-00	
AS SHOWN	
JOB NO. 5300-5	
SHEET 2	
OF 5 SHEETS	



THE REMAINDER OF WINDOW 4 IS SIMILAR TO THAT WHICH IS SHOWN EXCEPT THAT 1/4\"/>



WINDOW \*3B IS SIMILAR TO WINDOW \*3A EXCEPT IT IS GLAZED W/ 3/8\"/>

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 02-0919-04  
 Expiration Date 12/12/07  
 By *Mmanuel*  
 Miami Dade Product Control Division

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

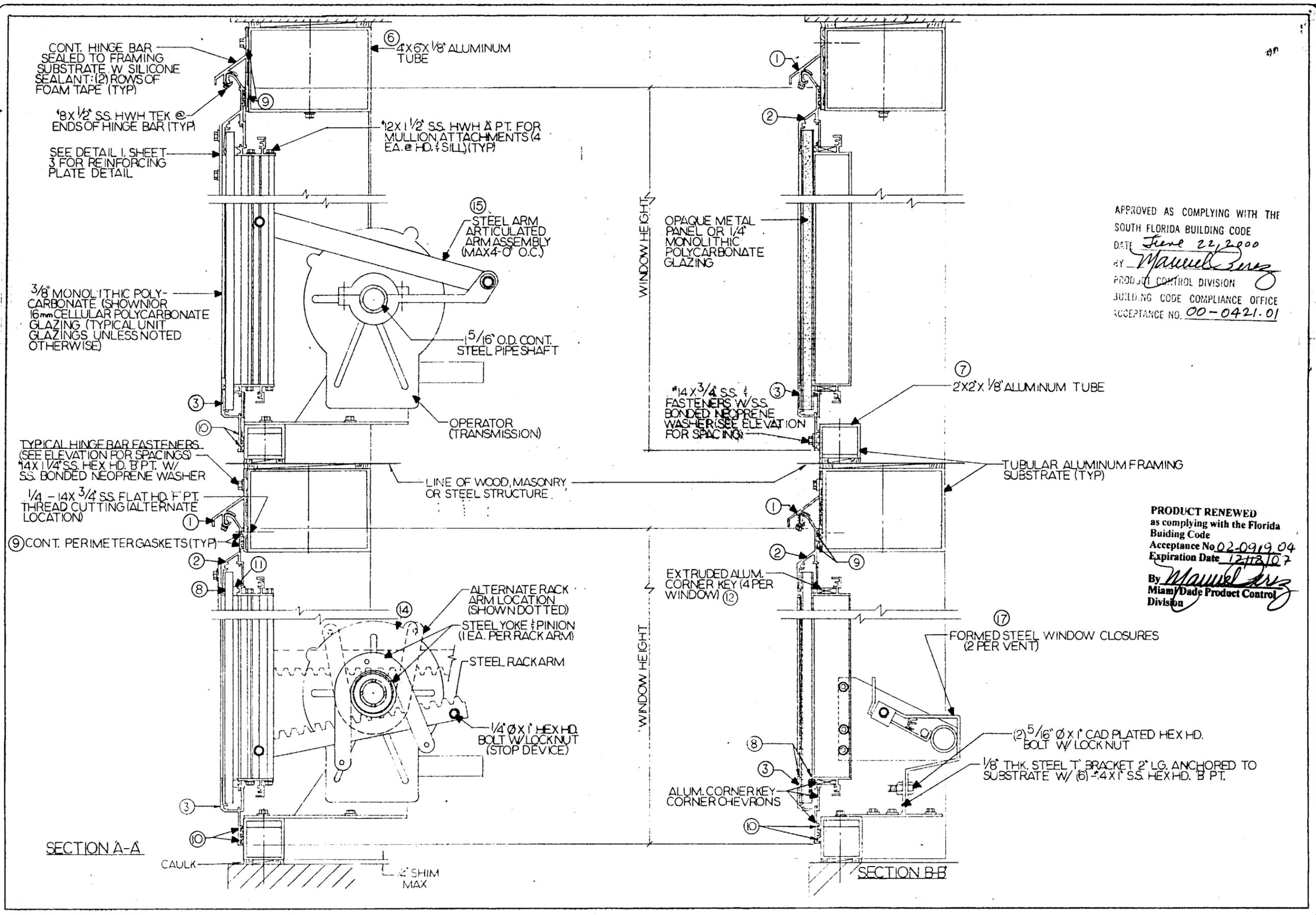
REVISIONS	DATE
NO CHANGE	6/9/00

SERIES 5300 WINDOW SYSTEM

ENGINEERING ANALYTICS, INC.  
 2455 SW 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

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



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

1/8x1/2" SS. HWH TEK @  
ENDS OF HINGE BAR (TYP)

SEE DETAIL I, SHEET  
3 FOR REINFORCING  
PLATE DETAIL

1/2x1 1/2" SS. HWH & PT. FOR  
MULLION ATTACHMENTS (4  
EA. @ HD. & SILL) (TYP)

15 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)  
1/4x1 1/4" SS. HEX HD. B.P.T. W/  
SS. BONDED NEOPRENE WASHER

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

9 CONT. PERIMETER GASKETS (TYP)

LINE OF WOOD, MASONRY  
OR STEEL STRUCTURE.

ALTERNATE RACK  
ARM LOCATION  
(SHOWN DOTTED)

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

STEEL RACK ARM

1/4" Ø x 1" HEX HD.  
BOLT W/ LOCK NUT  
(STOP DEVICE)

SECTION A-A

CAULK

1/2" SHIM  
MAX.

WINDOW HEIGHT

WINDOW HEIGHT

EXTRUDED ALUM.  
CORNER KEY (4 PER  
WINDOW) 12

ALUM. CORNER KEY  
CORNER CHEVRONS

SECTION B-B

OPAQUE METAL  
PANEL OR 1/4"  
MONOLITHIC  
POLYCARBONATE  
GLAZING

1/4x 3/4" SS. &  
FASTENERS W/ SS.  
BONDED NEOPRENE  
WASHER (SEE ELEVATION  
FOR SPACING)

TUBULAR ALUMINUM FRAMING  
SUBSTRATE (TYP)

17 FORMED STEEL WINDOW CLOSURES  
(2 PER VENT)

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

1/8" THK. STEEL T BRACKET 2" LG. ANCHORED TO  
SUBSTRATE W/ (6) 1/4x1" SS. HEX HD. B.P.T.

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

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 02-0919.04  
Expiration Date 12/18/07  
By Manuel Arz  
Miami/Dade Product Control  
Division

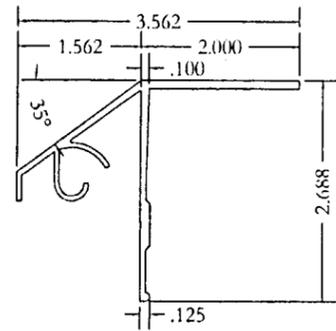
REVISION	DATE
NO CHANGE	6/9/00

SERIES 5300  
WINDOW SYSTEM

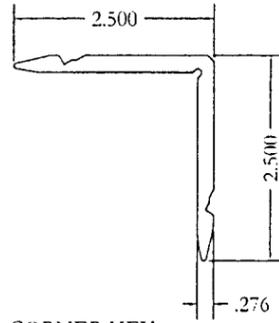
ENGINEERING ANALYTICS, INC.  
2455 SW. 27 AVENUE  
SUITE 230  
MIAMI, FLORIDA 33145  
(305) 225-9543

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

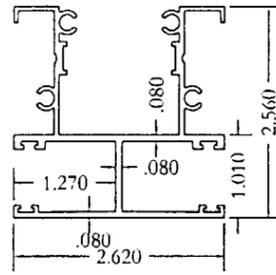
DRAWN	
CHECKED	
ADL	
DATE	3-27-00
SCALE	1/2" = 1'-0"
JOB NO.	5300-5
SHEET	5
OF 5 SHEETS	



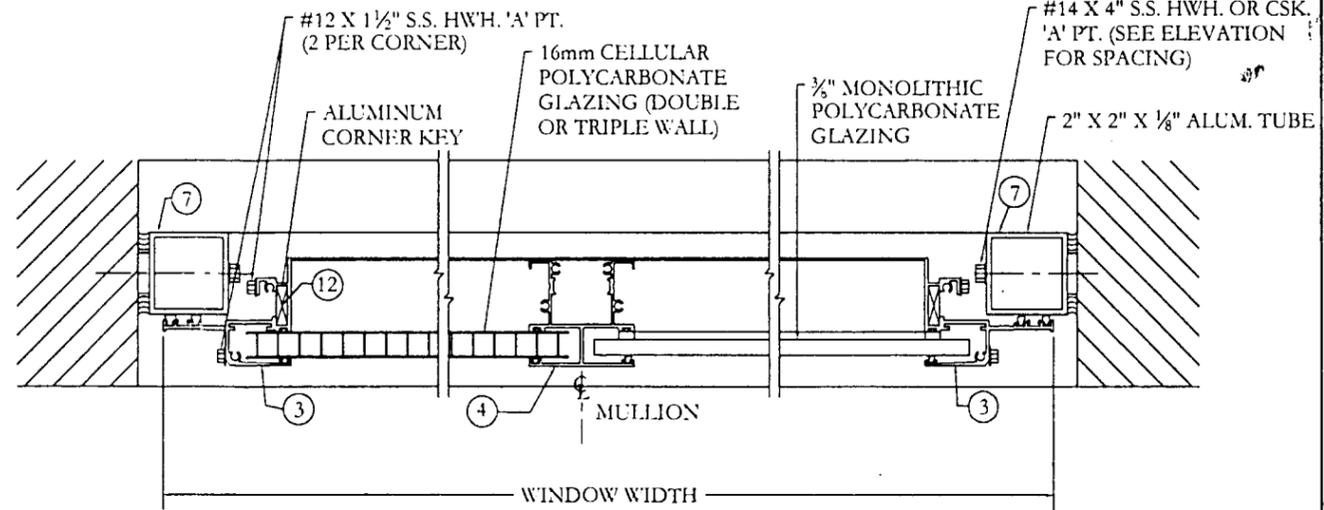
FLANGE MOUNT HINGE BAR



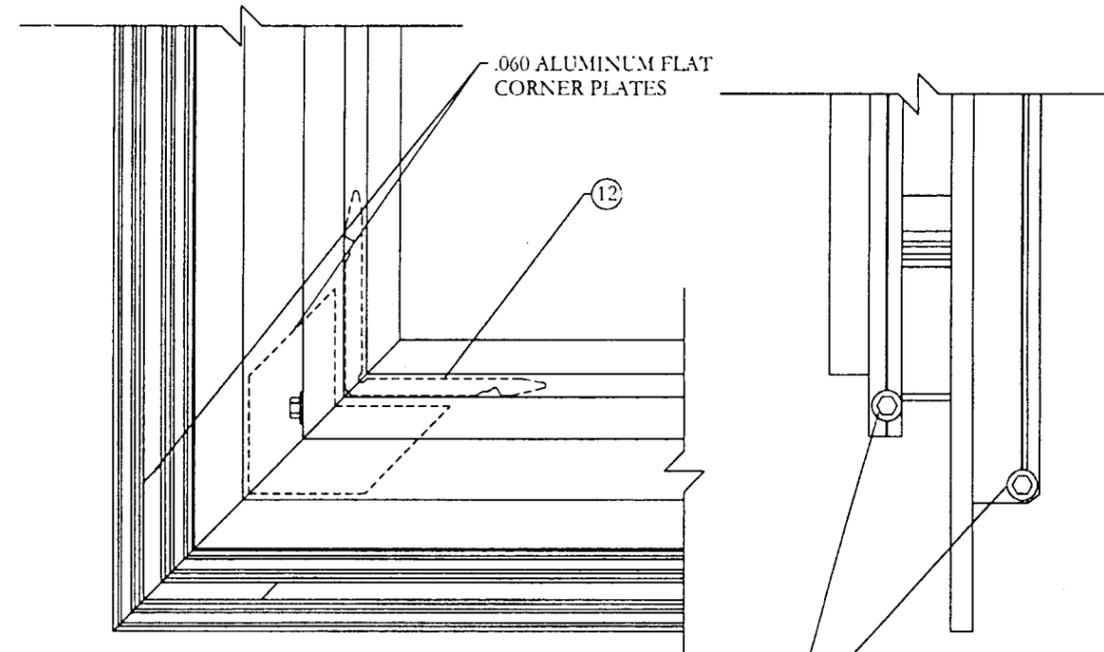
CORNER KEY



MULLION



SECTION "F-F"

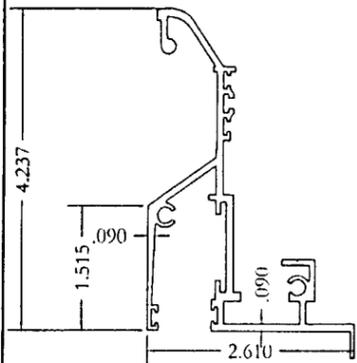


CORNER ASSEMBLY

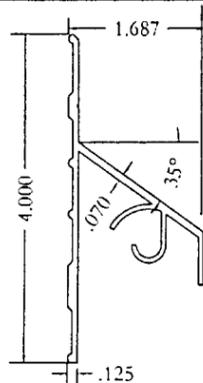
#12 X 1 1/2" S.S. HWH. 'A' PT.  
2 PER CORNER

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 02-0919-04  
Expiration Date 12/12/07  
By *Manuel Torres*  
Miami Dade Product Control  
Division

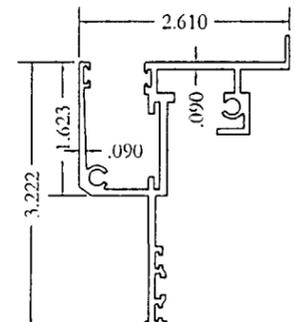
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *June 22, 2009*  
By *Manuel Torres*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0421-01*



TOP HINGE



FLUSH MOUNT HINGE BAR



JAMB/SILL

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	#202-1.2	1/VERTICAL FRAMING MEMBER	OPERATING ARM	STEEL	DAYTON METAL PRODUCTS, INC.
16		2 PER SITE 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" O 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

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