



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) 3725-6339

www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Sabana Windows, Inc.
6157 NW 167th Street Unit F-25
Miami, FL 33015

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Mahogany" Outswing Wood Casement Window – L. M. I.

APPROVAL DOCUMENT: Drawing No. **06-131**, titled "Mahogany Casement Impact Window", sheets 1 through 10 of 10, dated 01/19/2007, prepared by EngCo, Inc., dated 09/26/2007, signed and sealed by Pedro De Figueiredo, 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.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
10/19/07

NOA No. 07-0613.01
Expiration Date: November 08, 2012
Approval Date: November 08, 2007
Page 1

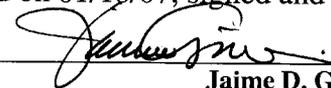
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **06-131**, Sheets 1 through 10 of 10, titled "Mahogany Casement Impact Window", dated 01/19/2007, prepared by EngCo, Inc., dated 09/26/2007, signed and sealed by Pedro De Figueiredo, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an outswing casement window with mulled transom, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-05-1455**, dated 06/14/06, revised on 01/18/07, signed and sealed by Rafael E. Droz-Seda.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an outswing casement window with mulled transom, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-06-4066**, dated 11/08/06, revised on 01/08/07, signed and sealed by Rafael E. Droz-Seda.
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an elliptical top casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-05-1960**, dated 06/14/06, revised on 01/18/07, signed and sealed by Rafael E. Droz-Seda.
4. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an casement window with circular top, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-05-1961**, dated 06/14/06, revised on 01/18/07, signed and sealed by Rafael E. Droz-Seda.
5. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an outswing casement window with mulled transom, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-05-1962**, dated 06/14/06, revised on 01/18/07, signed and sealed by Rafael E. Droz-Seda.



Jaime D. Gascon, P.E.

Chief, Product Control Division
NOA No. 07-0613.01

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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by EngCo, Inc., dated 01/19/2007, signed and sealed by Pedro De Figueiredo P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

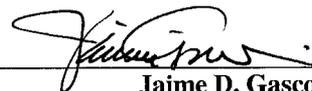
1. Notice of Acceptance No. **03-0225.10** issued to Glasslam NGI Inc. for their "**Safety-Plus II - Laminated Glass**" dated 08/07/03, expiring on 08/07/08.

F. STATEMENTS

1. Statement letter of conformance and of no financial interest, dated January 19, 2007, signed and sealed by Pedro De Figueiredo, P.E.
2. Statement letter of compliance by the consultant, dated September 28, 2007.

G. OTHER

1. None



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0613.01

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INDEX:

- SHEET 1 of 10 - GENERAL NOTES & MODEL TYPES
- SHEET 2 of 10 - MODEL A ELEVATIONS
- SHEET 3 of 10 - MODEL A DETAILS
- SHEET 4 of 10 - MODEL A1 ELEVATIONS
- SHEET 5 of 10 - MODEL A1 DETAILS
- SHEET 6 of 10 - MODEL B ELEVATIONS
- SHEET 7 of 10 - MODEL B DETAILS
- SHEET 8 of 10 - MODEL C ELEVATIONS
- SHEET 9 of 10 - MODEL C DETAILS
- SHEET 10 of 10 - GLAZING DETAILS, ANCHORAGE DETAILS & CORNER ASSEMBLY

GENERAL NOTES:

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 EDITION 2006 SUPPLEMENT (INCLUDING HIGH VELOCITY HURRICANE ZONES, HVHZ).

2- DEFINITION: THIS PRODUCT IS A SWING OUT MAHOGANY WOOD TYPE WINDOW WITH LARGE AND SMALL MISSILE IMPACT RESISTANCE.

3- POSTING:

'MAHOGANY CASEMENT IMPACT WINDOW
LARGE & SMALL MISSILE IMPACT RESISTANT
SABANA WINDOWS, INC.
MIAMI LAKES - FLORIDA
DADE COUNTY PRODUCT CONTROL APPROVED'

4- DESIGN LOADS: LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.

5- MATERIAL: ALL PARTS TO BE MAHOGANY WOOD AND GLAZING TO BE LAMINATED IMPACT RESISTANT GLASS AS SPECIFIED ON THIS APPROVAL.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THIS CURRENT SET OF DRAWINGS.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

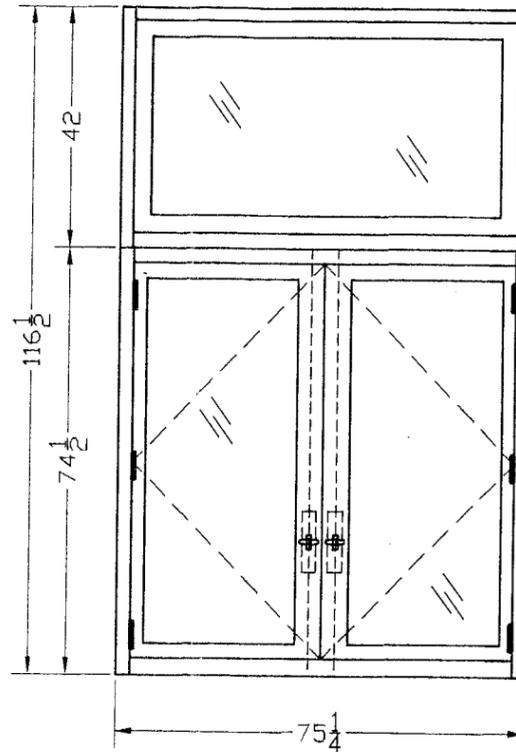
7.1- THE STABILITY OF THE STRUCTURE WHERE THE UNIT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

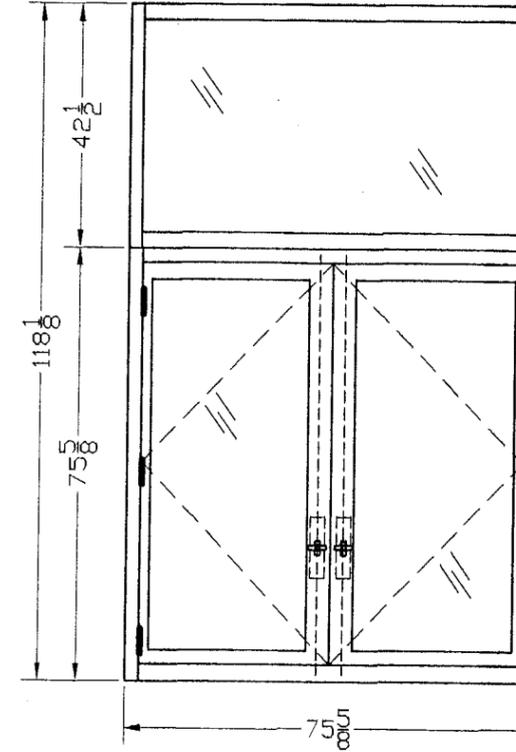
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, EXCEPT WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

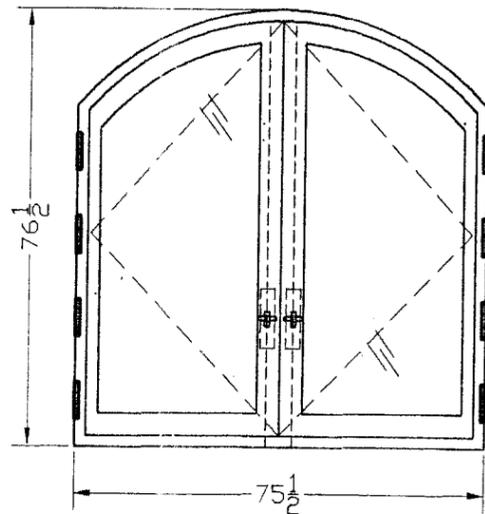
**ALLOWABLE
DESIGNED LOADS
+75 PSF, -90 PSF**



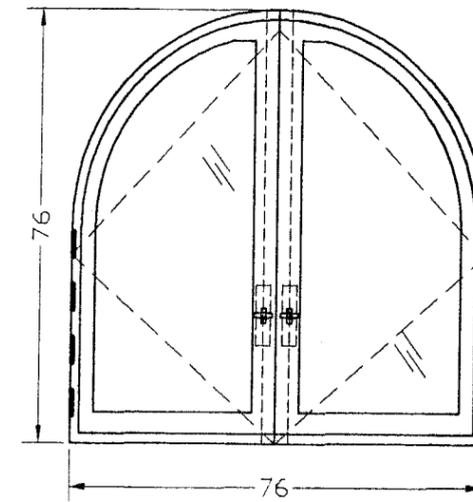
**MODEL A
SQUARE W/ TRANSOM
SHEET 2 AND 3 OF 10
DESIGNED LOADS = +75 PSF, -90 PSF**



**MODEL A1
ALTERNATE SQUARE W/ TRANSOM
SHEET 4 AND 5 OF 10
DESIGNED LOADS = +75 PSF, -90 PSF**



**MODEL B
ELLIPTICAL
SHEET 6 AND 7 OF 10
DESIGNED LOADS = +75 PSF, -90 PSF**



**MODEL C
ARCH
SHEET 8 AND 9 OF 10
DESIGNED LOADS = +75 PSF, -90 PSF**

MANUFACTURER:
**Sabana
Windows**
6157 NW 167TH STREET
UNIT F-25
MIAMI LAKES, FLORIDA
33015
PH: (305) 825-1045
FAX: (305) 825-3805

PRODUCT:
**Mahogany
Casement Impact
Window**

Engineering:
EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305

SEP 26 2007
Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 01/19/2007
Scale: NA
Design by: PPMF

MIAMI DADE BCCO

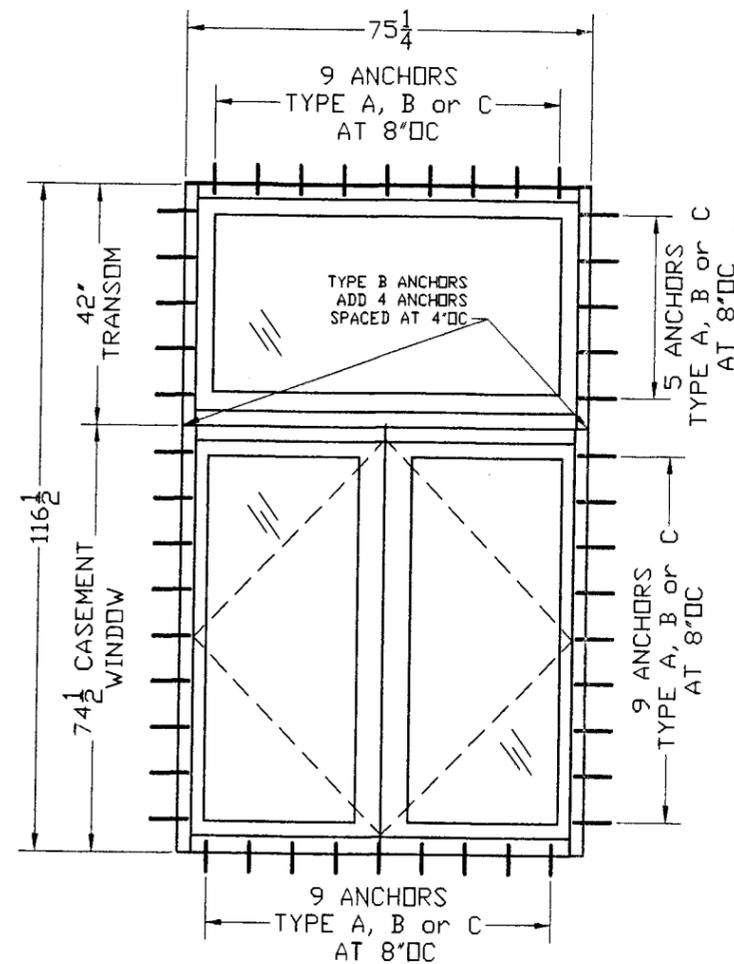
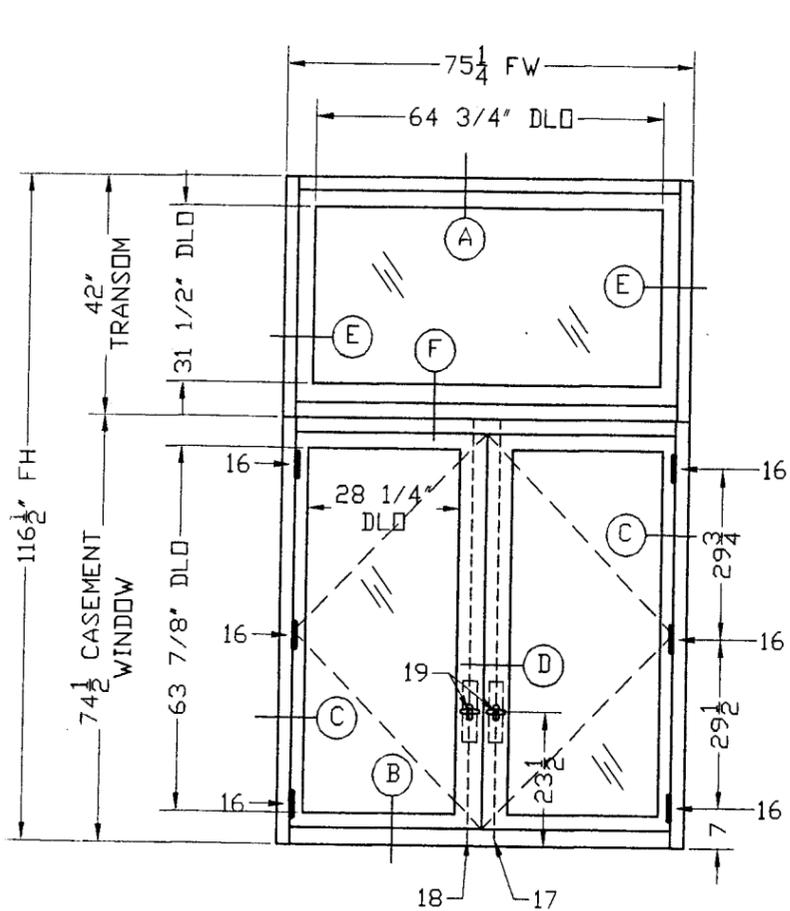
Approved as complying with the
Florida Building Code
Date 11/08/2007
NOA# 07-0613.01
Miami Dade Product Control
Division
By

DRAFTING:
PK DRAFTING & MORE

Drawing Number
06-131

Sheet
1 of 10

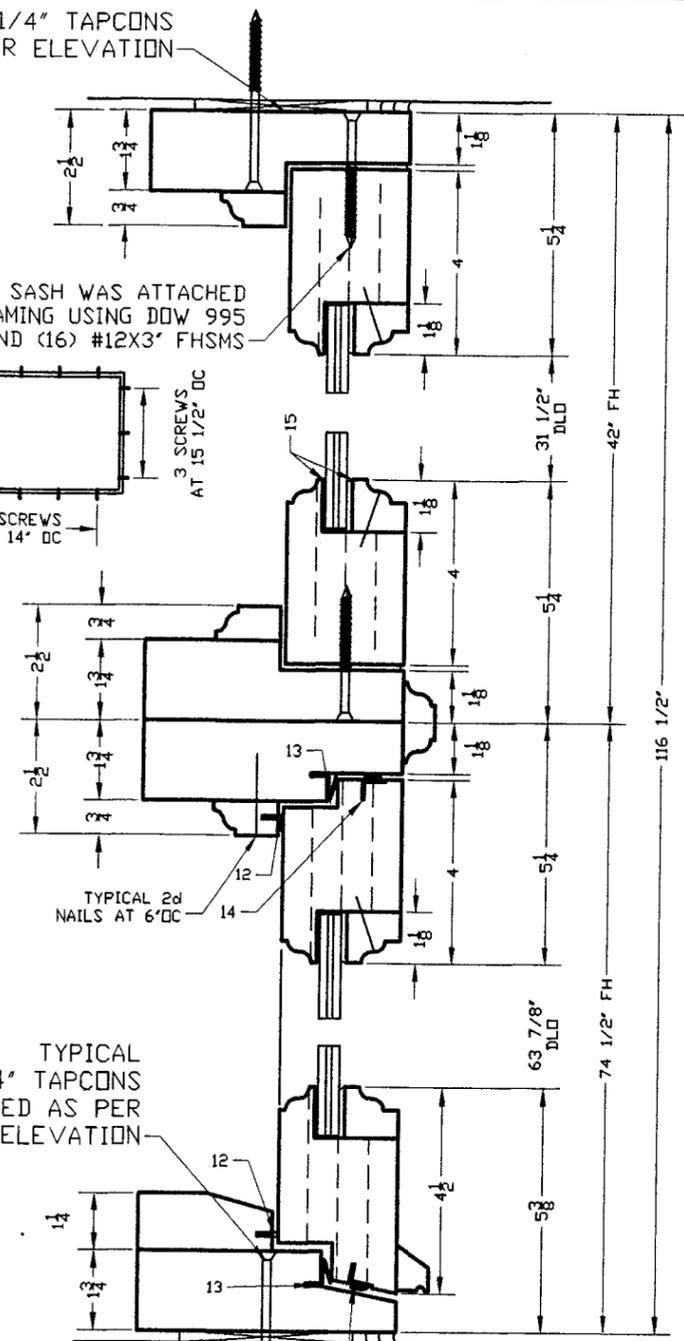
MODEL A
SQUARE W/ TRANSOM



SEE SHEET 10 OF 10 FOR ANCHORAGE SPECIFICATIONS

TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION

THE FIXED SASH WAS ATTACHED TO THE FRAMING USING DOW 995 SILICONE AND (16) #12X3" FHSMS

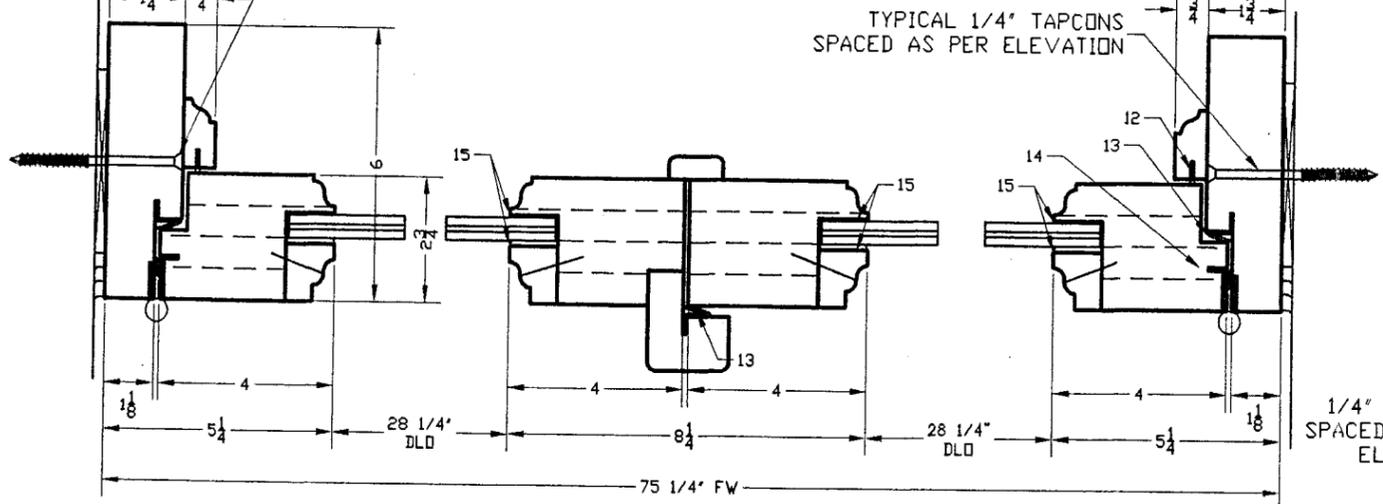


TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION

THE FIXED SASH WAS ATTACHED TO THE FRAMING USING DOW 995 SILICONE (16) #12X3" FHSMS

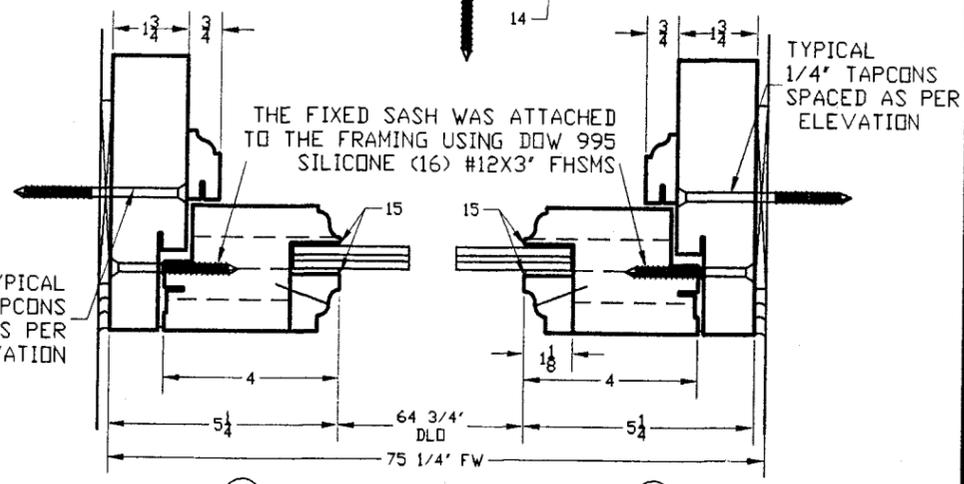
TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION

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TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION



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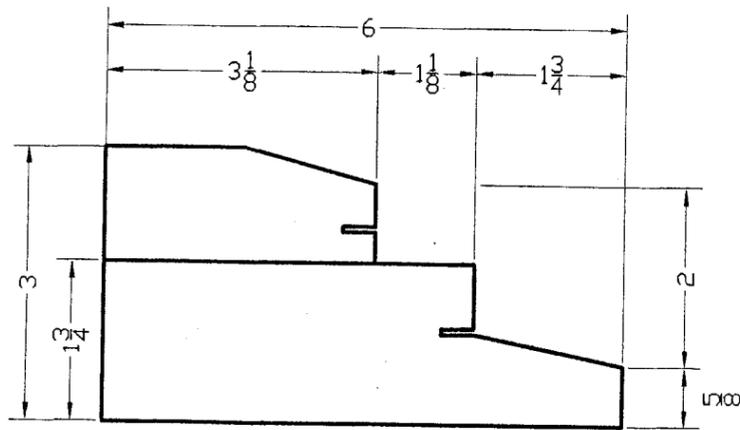
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PK DRAFTING & MORE

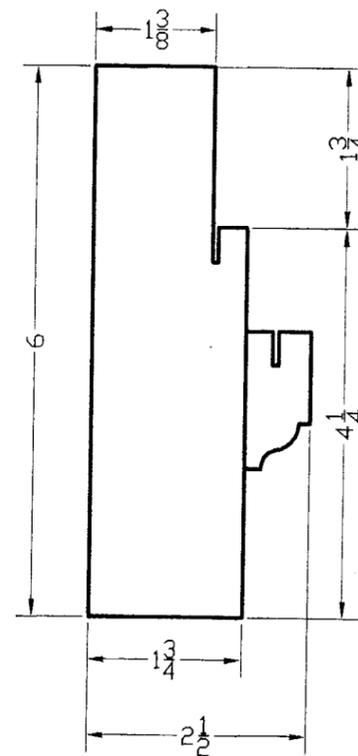
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Sheet
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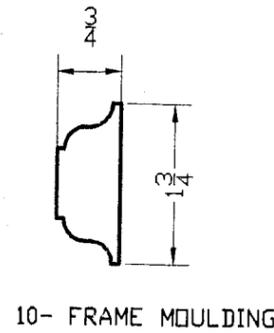
COMPONENTS WINDOW TYPE A



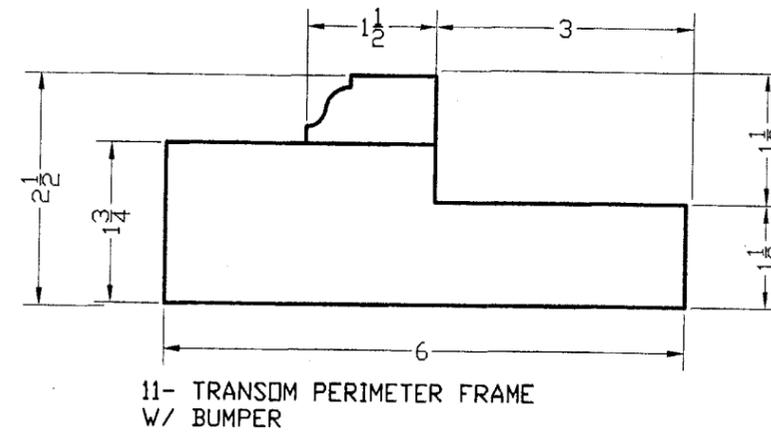
8- SILL FRAME W/ BUMPER



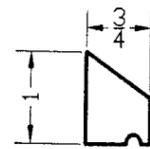
9- JAMB/HEAD FRAME W/ BUMPER



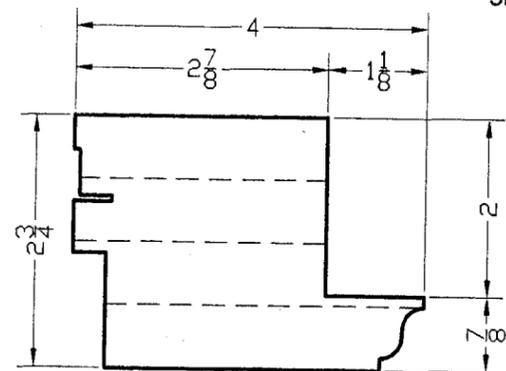
10- FRAME MOULDING



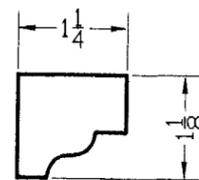
11- TRANSOM PERIMETER FRAME W/ BUMPER



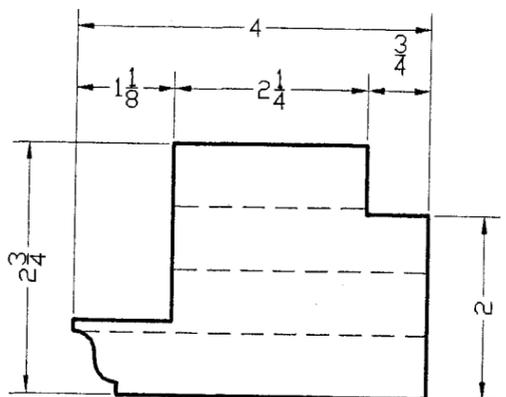
3A- SASH SILL DRIP



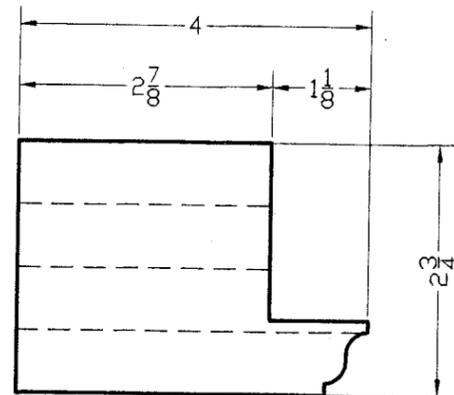
7- HINGE STYLE



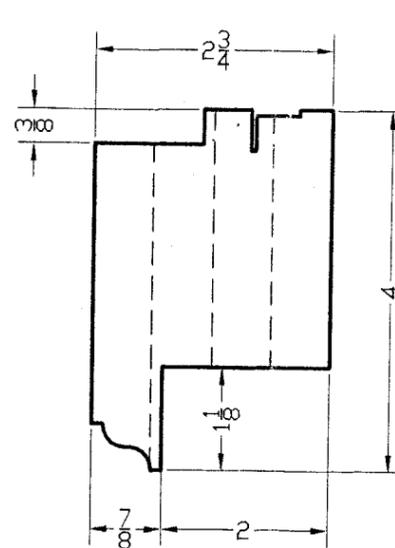
2- SASH GLAZING STOP



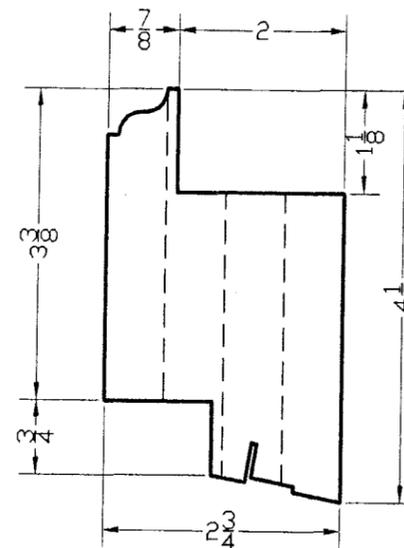
5- ACTIVE STYLE



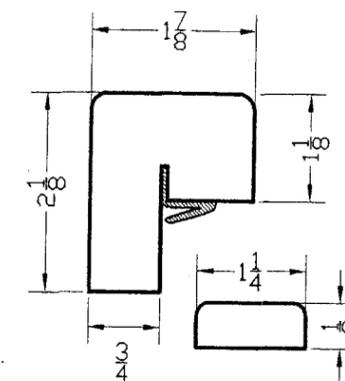
6- INACTIVE STYLE



4- SASH TOP RAIL



3- SASH BOTTOM RAIL



1- ASTRAGAL

BILL OF MATERIALS

- 1 ASTRAGAL - SOLID MAHOGANY
- 2 SASH GLAZING STOP - SOLID MAHOGANY
- 3 SASH BOTTOM RAIL - LAMINATED MAHOGANY
- 4 SASH TOP RAIL - LAMINATED MAHOGANY
- 5 ACTIVE STILE - LAMINATED MAHOGANY
- 6 INACTIVE STILE - LAMINATED MAHOGANY
- 7 HINGE STILE - LAMINATED MAHOGANY
- 8 SILL FRAME W/ BUMPER - SOLID MAHOGANY
- 9 JAMB/HEAD FRAME W/ BUMPER - SOLID MAHOGANY
- 10 FRAME MOULDING - SOLID MAHOGANY
- 11 TRANSOM FRAMING W/ BUMPER - SOLID MAHOGANY
- 12 WEATHER-STRIPPING WS1 - TUBULAR SCHLEGEL U3734 QWS400
- 13 WEATHER-STRIPPING WS2 - KERF TYPE SCHLEGEL U8334
- 14 WEATHER-STRIPPING WS3 - FLAT TYPE SCHLEGEL U6934
- 15 SILICONE DOW 995
- 16 (3 PER LEAF) 4 1/2" X 138" SOLID BRASS HINGE BOLTED TO THE FRAME USING (4) 1/4" X 1 7/16" FHMS AND NUTS AND ATTACHED TO HINGE STILE USING (4) #10X2" FHSMS
- 17 3 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
- 18 2 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
- 19 LOCK HANDLE TESA BLACK

MANUFACTURER:

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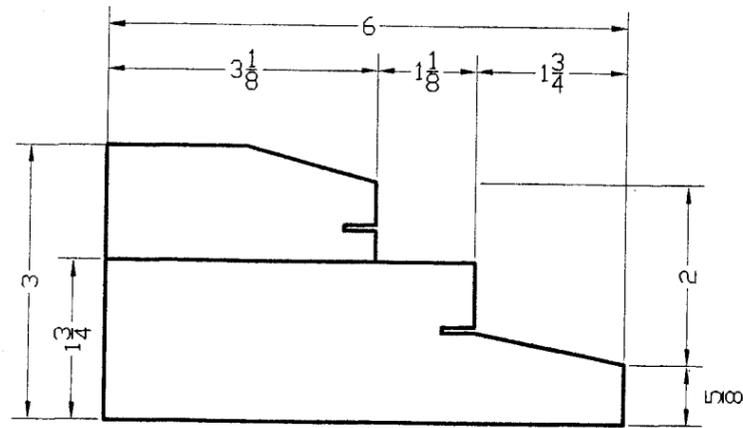
DRAFTING:

PK DRAFTING & MORE

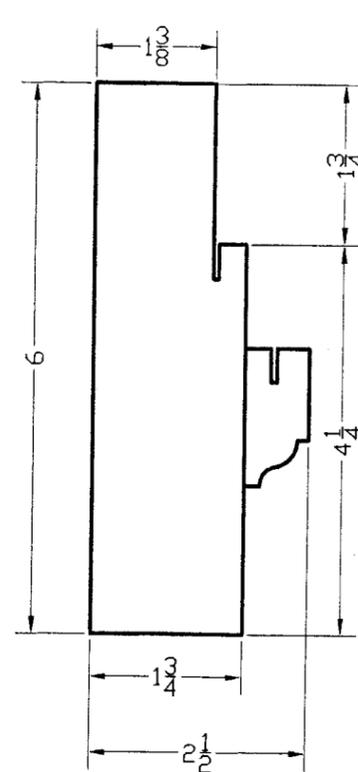
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06-131

Sheet
3 of 10

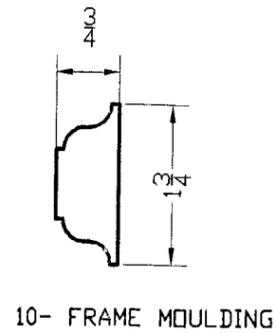
COMPONENTS WINDOW TYPE A1



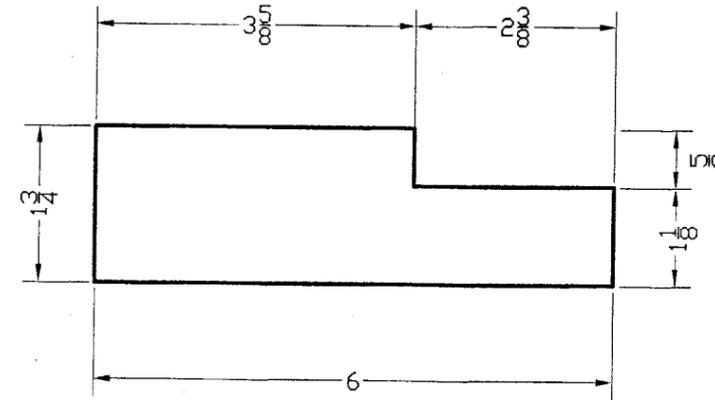
8- SILL FRAME W/ BUMPER



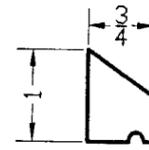
9- JAMB/HEAD FRAME W/ BUMPER



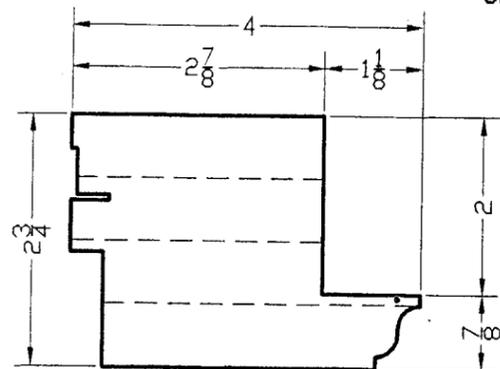
10- FRAME MOULDING



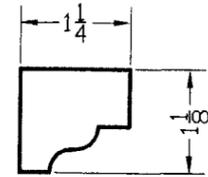
11- TRANSOM JAMB FRAME
11A- TRANSOM HEAD/SILL FRAME



3A- SASH SILL DRIP

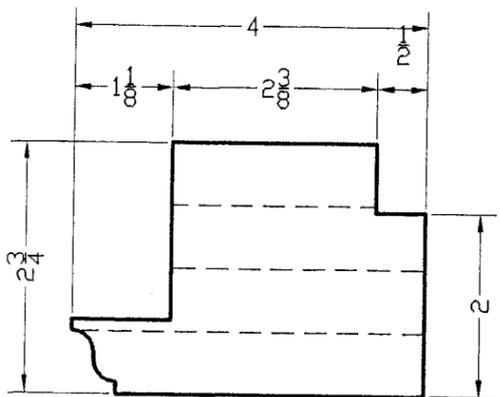


7- HINGE STYLE

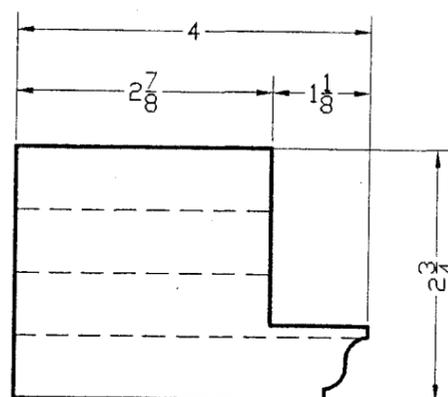


2- SASH GLAZING STOP

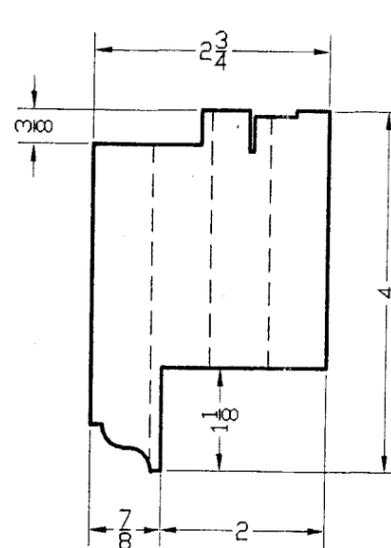
BILL OF MATERIALS	
1	ASTRAGAL - SOLID MAHOGANY
2	SASH GLAZING STOP - SOLID MAHOGANY
3	SASH BOTTOM RAIL - LAMINATED MAHOGANY
4	SASH TOP RAIL - LAMINATED MAHOGANY
5	ACTIVE STILE - LAMINATED MAHOGANY
6	INACTIVE STILE - LAMINATED MAHOGANY
7	HINGE STILE - LAMINATED MAHOGANY
8	SILL FRAME W/ BUMPER - SOLID MAHOGANY
9	JAMB/HEAD FRAME W/ BUMPER - SOLID MAHOGANY
10	FRAME MOULDING - SOLID MAHOGANY
11	TRANSOM JAMB - SOLID MAHOGANY
11A	TRANSOM HEADER/SILL - SOLID MAHOGANY
11B	TRANSOM GLAZING STOP - SOLID MAHOGANY
12	WEATHER-STRIPPING WS1 - TUBULAR SCHLEGEL U3734 QWS400
13	WEATHER-STRIPPING WS2 - KERF TYPE SCHLEGEL U8334
14	WEATHER-STRIPPING WS3 - FLAT TYPE SCHLEGEL U6934
15	SILICONE DOW 995
16	(3 PER LEAF) 4 1/2" X 0.138" SOLID BRASS HINGE BOLTED TO THE FRAME USING (4) 1/4" X 1 7/16" FHMS AND NUTS AND ATTACHED TO HINGE STILE USING (4) #10X2" FHMS
17	3 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
18	2 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
19	LOCK HANDLE TESA BLACK



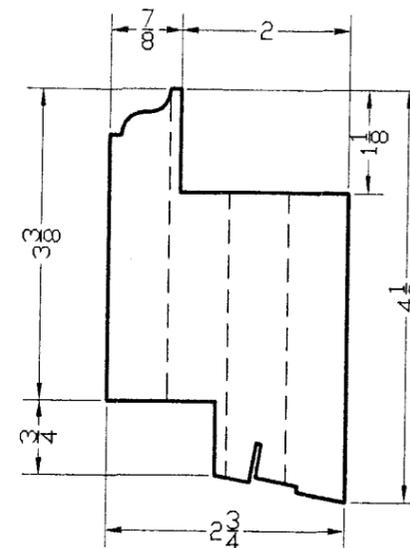
5- ACTIVE STYLE



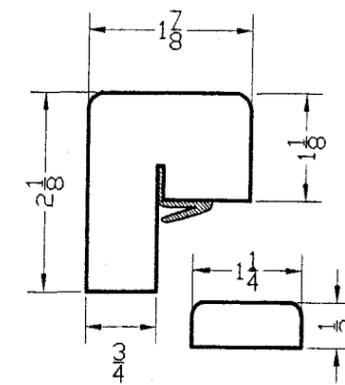
6- INACTIVE STYLE



4- SASH TOP RAIL



3- SASH BOTTOM RAIL



1- ASTRAGAL

MANUFACTURER:

Sabana Windows

6157 NW 167TH STREET
UNIT F-25
MIAMI LAKES, FLORIDA 33015
PH.: (305) 825-1045
FAX: (305) 825-3805

PRODUCT:

Mahogany Casement Impact Window

Engineering:

EngCo Inc.

CA 8116

6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305



Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 01/19/2007
Scale: NA
Design by: PPMF

MIAMI DADE BCCO

Approved as complying with the
Florida Building Code
Date 11/08/2007
NOA# 07-0613.01
Miami Dade Product Control
Division
By *[Signature]*

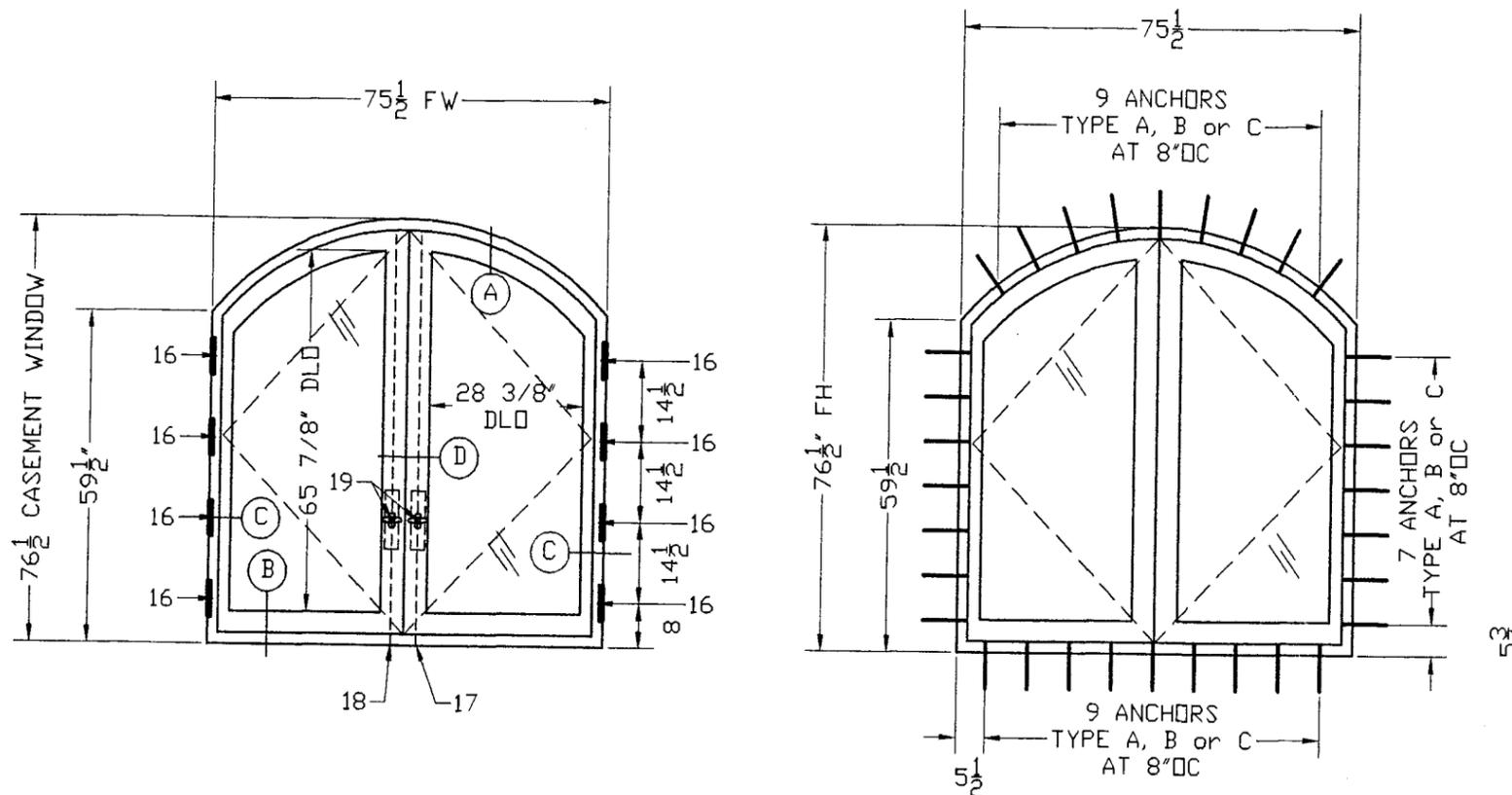
DRAFTING:

PK DRAFTING & MORE

Drawing Number
06-131

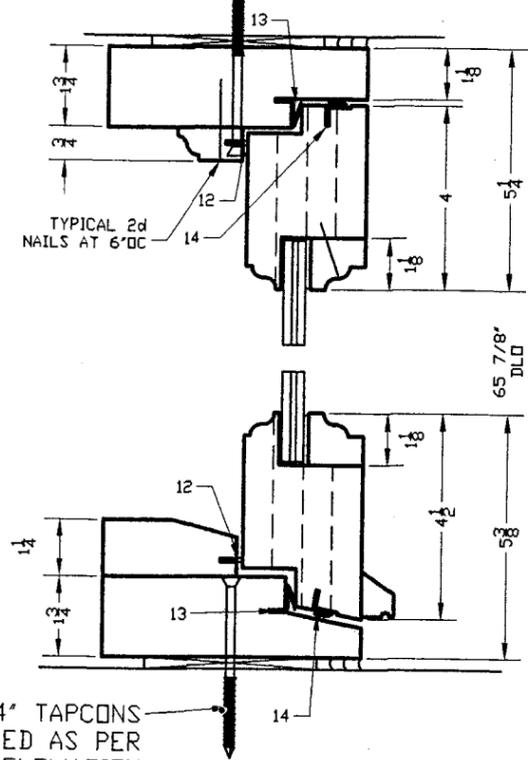
Sheet
5 of 10

MODEL B
ELLIPTICAL



SEE SHEET 10 OF 10 FOR ANCHORAGE SPECIFICATIONS

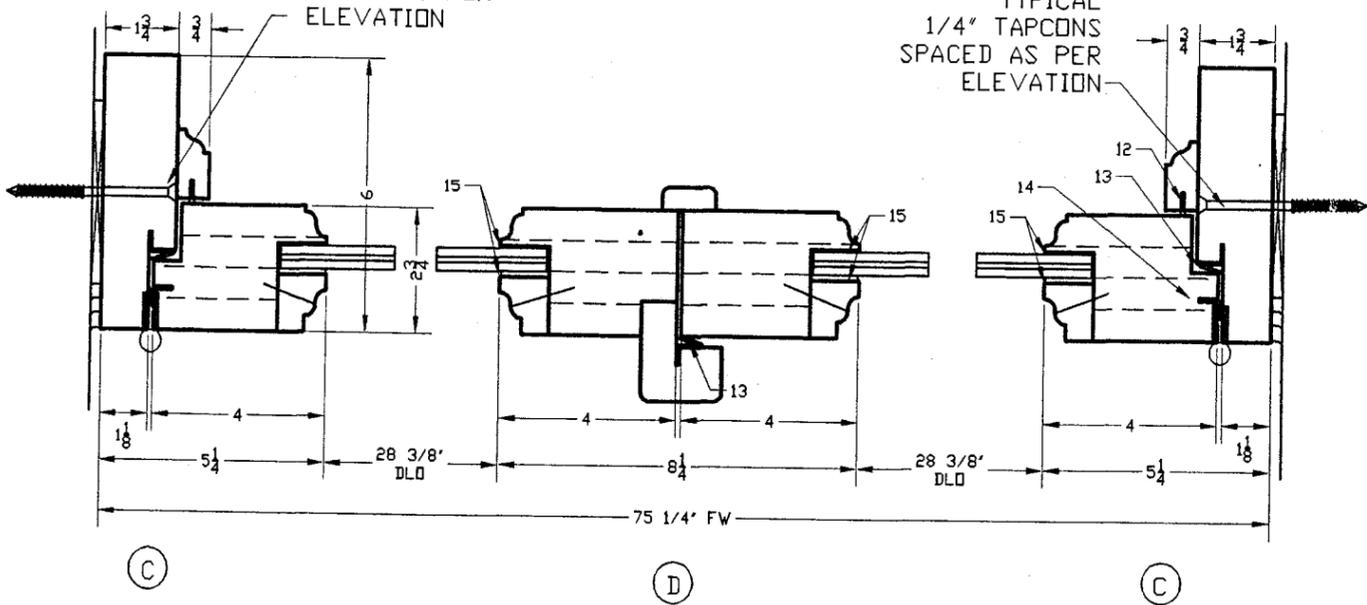
TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION



TYPICAL 1/4" TAPCONS SPACED AS PER ELEVATION

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Engineer Seal
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MIAMI DADE BCCO

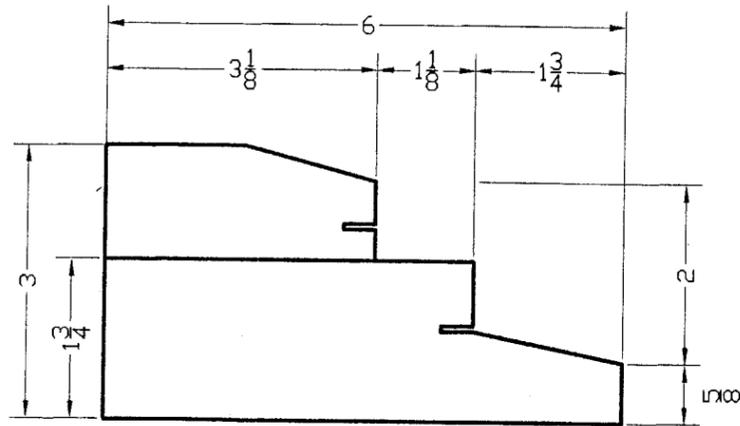
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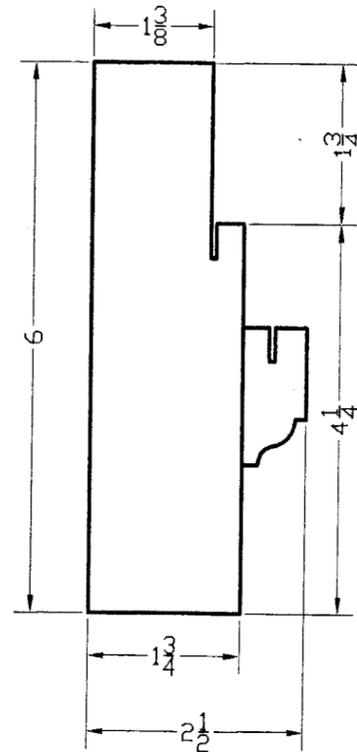
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06-131

Sheet
6 of 10

COMPONENTS WINDOW TYPE B

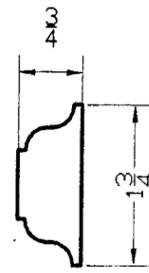


8- SILL FRAME W/ BUMPER

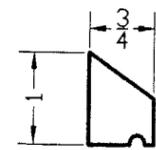
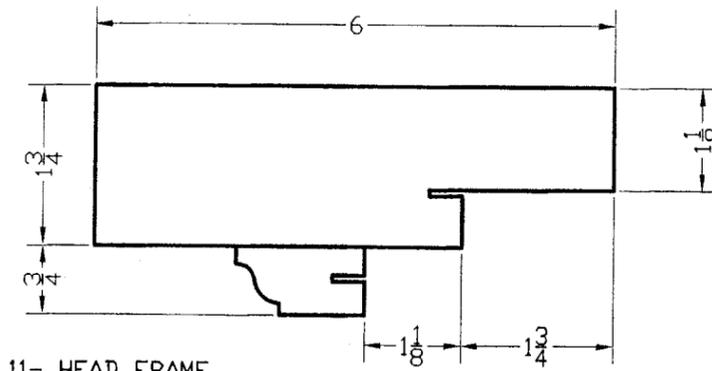


9- JAMB/HEAD FRAME W/ BUMPER

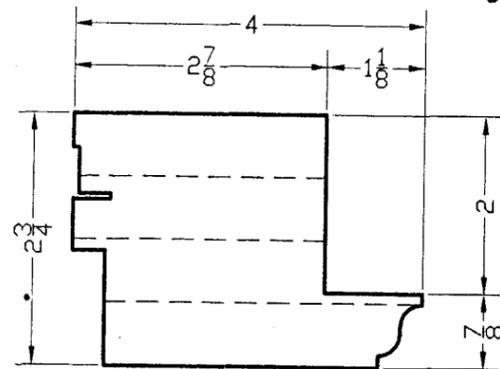
10- FRAME MOULDING



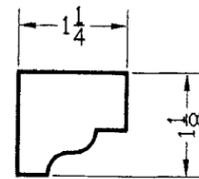
11- HEAD FRAME W/ BUMPER



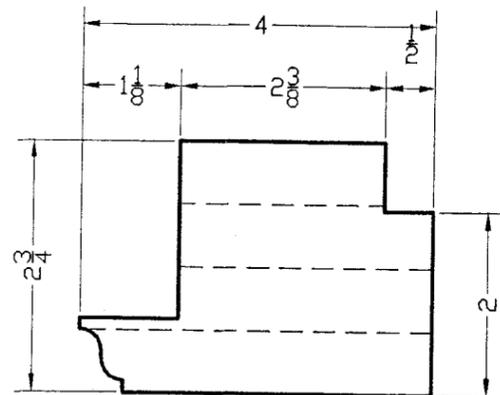
3A- SASH SILL DRIP



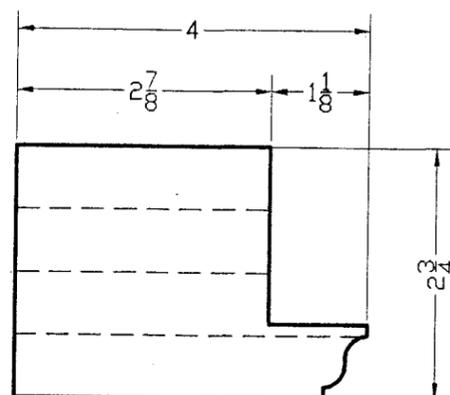
7- HINGE STYLE



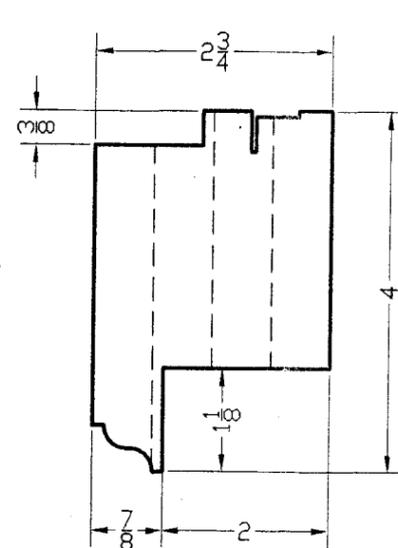
2- SASH GLAZING STOP



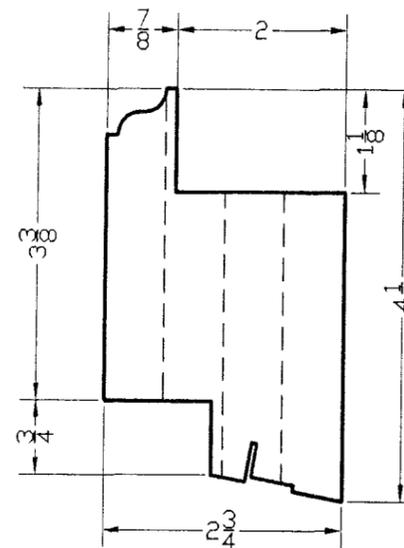
5- ACTIVE STYLE



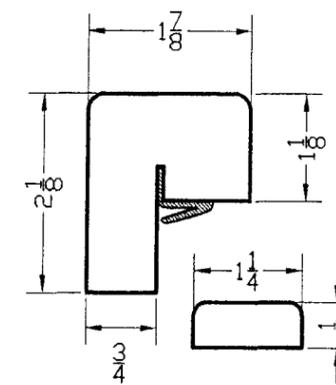
6- INACTIVE STYLE



4- SASH TOP RAIL



3- SASH BOTTOM RAIL



1- ASTRAGAL

BILL OF MATERIALS

- 1 ASTRAGAL - SOLID MAHOGANY
- 2 SASH GLAZING STOP - SOLID MAHOGANY
- 3 SASH BOTTOM RAIL - LAMINATED MAHOGANY
- 4 SASH TOP RAIL - LAMINATED MAHOGANY
- 5 ACTIVE STILE - LAMINATED MAHOGANY
- 6 INACTIVE STILE - LAMINATED MAHOGANY
- 7 HINGE STILE - SOLID MAHOGANY
- 8 SILL FRAME W/ BUMPER - SOLID MAHOGANY
- 9 JAMB FRAME W/ BUMPER - LAMINATED MAHOGANY
- 10 FRAME MOULDING - SOLID MAHOGANY
- 11 HEAD FRAME W/ BUMPER - SOLID MAHOGANY
- 12 WEATHER-STRIPPING WS1 - TUBULAR SCHLEGEL U3734 QWS400
- 13 WEATHER-STRIPPING WS2 - KERF TYPE SCHLEGEL U8334
- 14 WEATHER-STRIPPING WS3 - FLAT TYPE SCHLEGEL U6934
- 15 SILICONE DOW 995
- 16 (4 PER LEAF) 0.7" X 6 3/8" SIDANEZ SOLID BRASS HINGE WITH 0.43" PIVOT BOLTED TO THE FRAME USING (4) 1/4" X 1 7/16" FHMS AND NUTS AND ATTACHED TO HINGE STILE USING (4) #8X2 FHMS
- 17 3 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
- 18 2 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
- 19 LOCK HANDLE TESA BLACK

MANUFACTURER:

Sabana Windows

6157 NW 167TH STREET
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[Signature]
SEP 26 2007

Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 01/19/2007
Scale: NA
Design by: PPMF

MIAMI DADE BCCO

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DRAFTING:

PK DRAFTING & MORE

Drawing Number
06-131

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7 of 10

MANUFACTURER:
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SEP 28 2007

Engineer Seal
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 PE 52609

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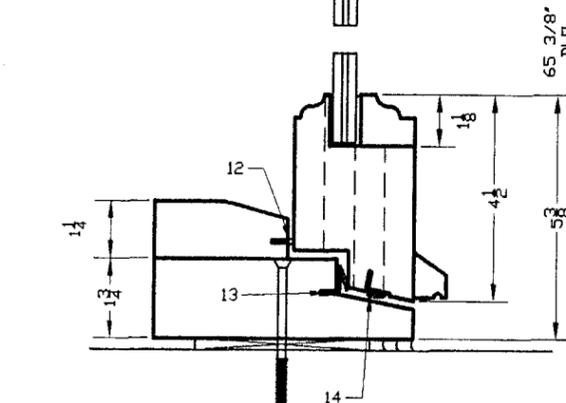
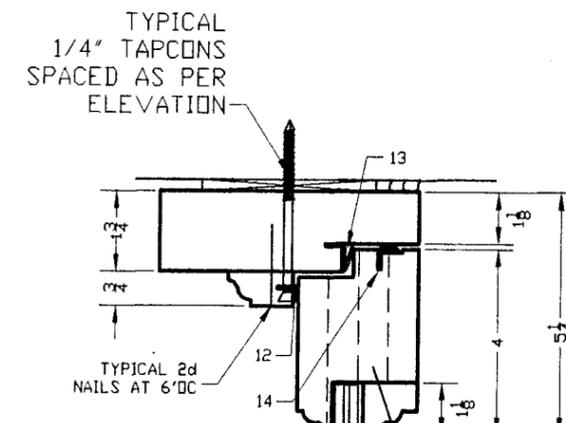
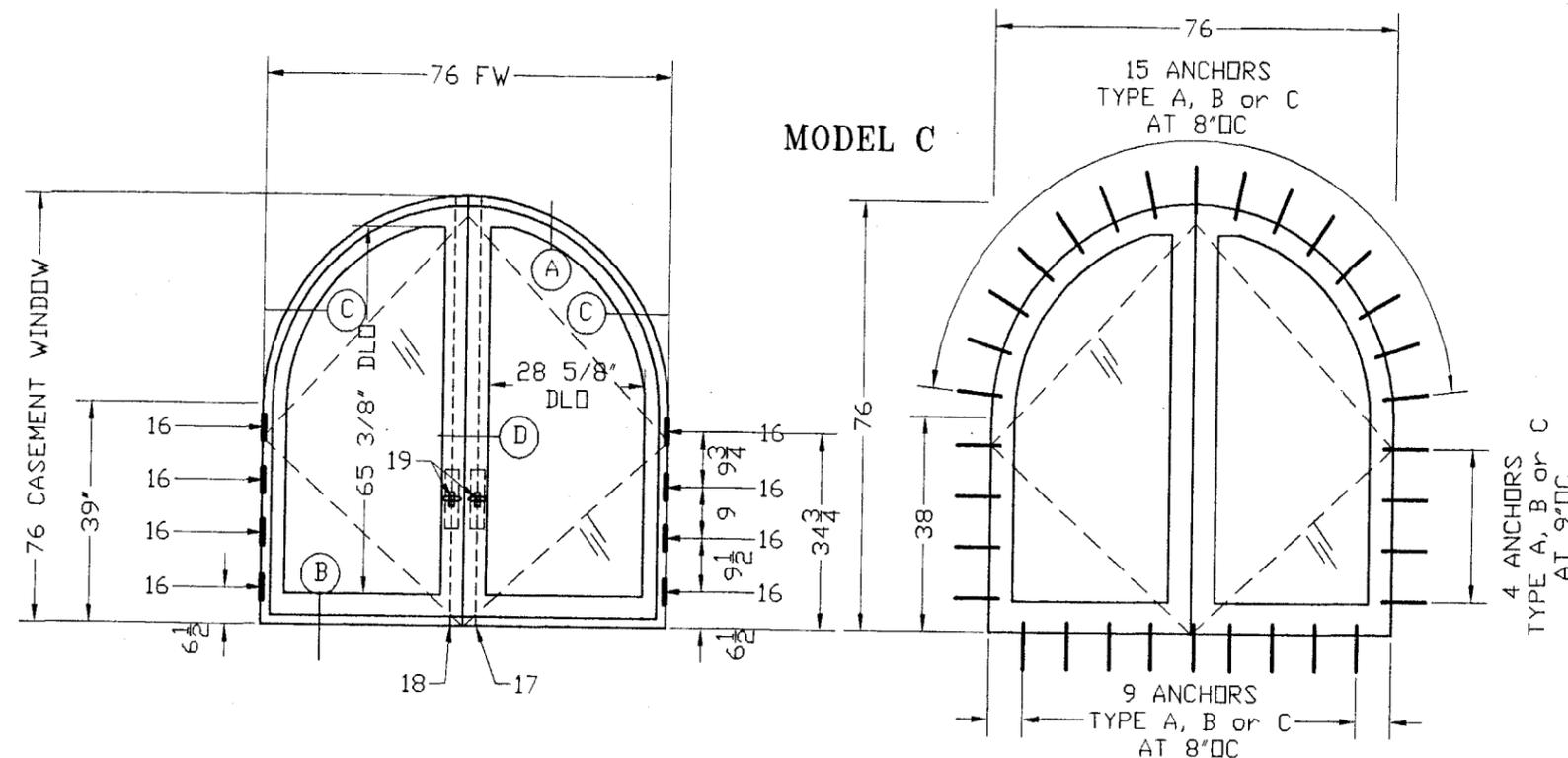
MIAMI DADE BCCO

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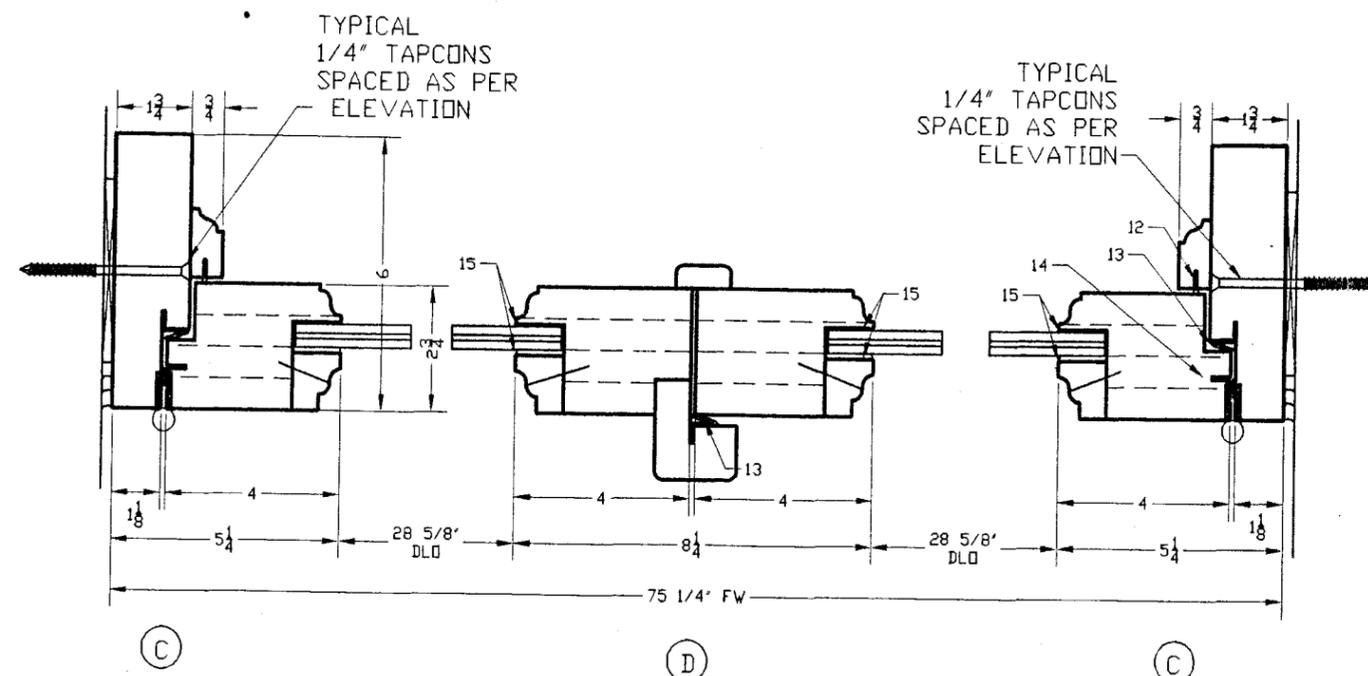
Drawing Number
 06-131

Sheet
 8 of 10

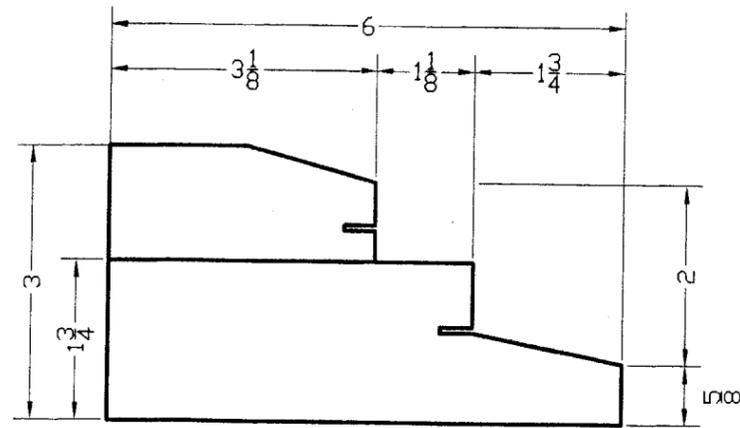


ASSEMBLY NOTES:
 1- THE VERTICAL STILE AND CIRCULAR ARCH TOP RAILS WERE GLUED AND JOINED TOGETHER USING A 1/4"x1"x24" LONG FLAT STEEL BAR. THE BAR WAS ATTACHED USING (7) #12X1 SS FHMSMS AT 1 1/2' FROM ENDS AND 3'DC. THE BAR WAS PLACED UNDER THE GLASS STOP.
 2- THE JAMBS AND THE ARCH PORTION OF THE FRAME WERE GLUE AND JOINED USING (2) 1/4 X 1 1/2' X 24' LONG STEEL BAR ATTACHED USING (7) #12X1 SS FHMSMS AT 1 1/2' FROM ENDS AND 3'DC.

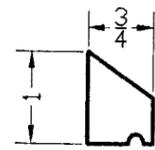
SEE SHEET 10 OF 10 FOR ANCHORAGE SPECIFICATIONS



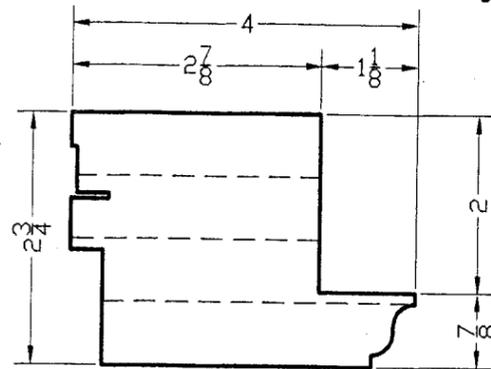
COMPONENTS WINDOW TYPE C



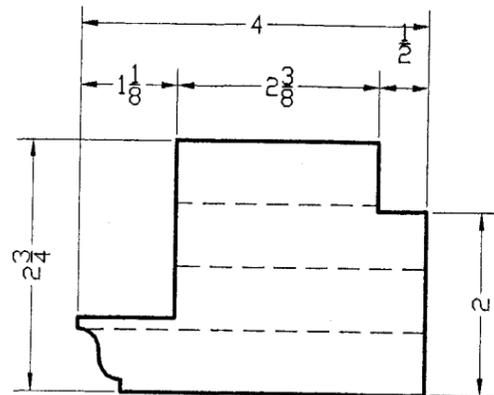
8- SILL FRAME W/ BUMPER



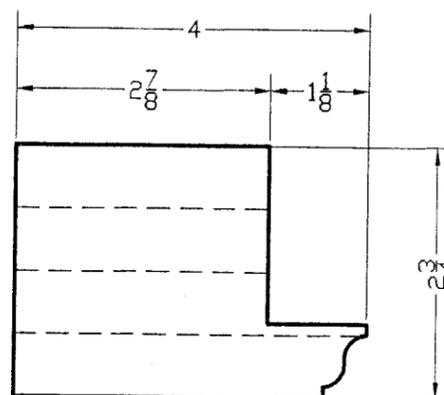
3A- SASH SILL DRIP



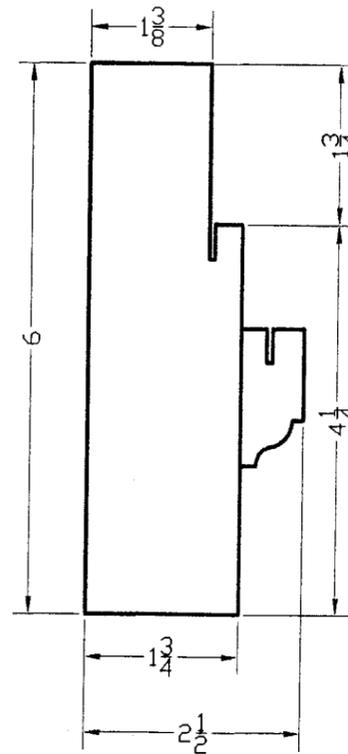
7- HINGE STYLE



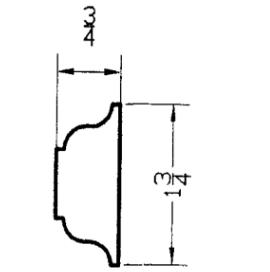
5- ACTIVE STYLE



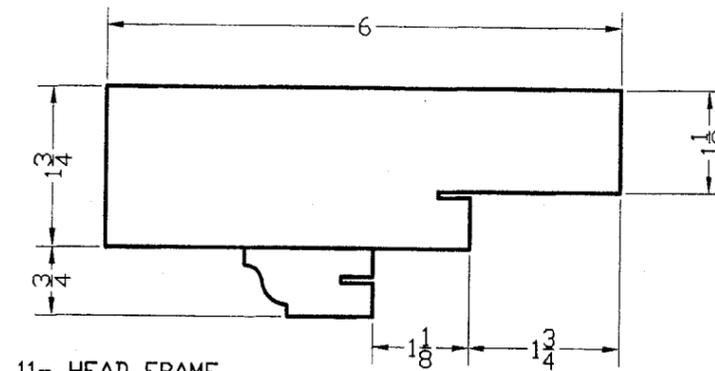
6- INACTIVE STYLE



9- JAMB/HEAD FRAME W/ BUMPER

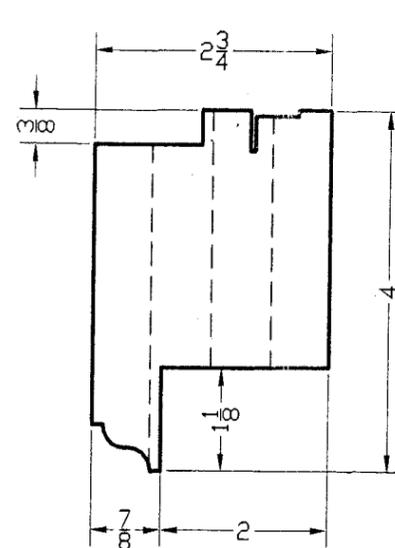


10- FRAME MOULDING

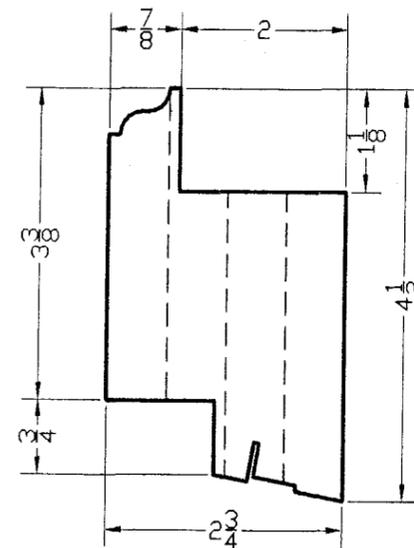


11- HEAD FRAME W/ BUMPER

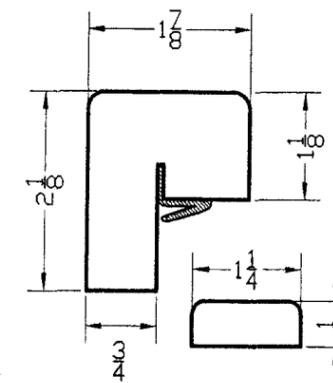
BILL OF MATERIALS	
1	ASTRAGAL - SOLID MAHOGANY
2	SASH GLAZING STOP - SOLID MAHOGANY
3	SASH BOTTOM RAIL - LAMINATED MAHOGANY
4	SASH TOP RAIL - LAMINATED MAHOGANY
5	ACTIVE STILE - LAMINATED MAHOGANY
6	INACTIVE STILE - LAMINATED MAHOGANY
7	HINGE STILE - SOLID MAHOGANY
8	SILL FRAME W/ BUMPER - SOLID MAHOGANY
9	JAMB FRAME W/ BUMPER - SOLID MAHOGANY
10	FRAME MOULDING - SOLID MAHOGANY
11	HEAD FRAME W/ BUMPER - LAMINATED MAHOGANY
12	WEATHER-STRIPPING WS1 - TUBULAR SCHLEGEL U3734 QWS400
13	WEATHER-STRIPPING WS2 - KERF TYPE SCHLEGEL U8334
14	WEATHER-STRIPPING WS3 - FLAT TYPE SCHLEGEL U6934
15	SILICONE DOW 995
16	(4 PER LEAF) 4 1/2" X 0.138" SOLID BRASS HINGE BOLTED TO THE FRAME USING (4) 1/4" X 1 7/16" FHMS AND NUTS AND ATTACHED TO HINGE STILE USING (4) #10X2" FHMS
17	3 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
18	2 POINT HIDDEN CREMONE W/ 5/8X2.5 ROD
19	LOCK HANDLE TESA BLACK



4- SASH TOP RAIL



3- SASH BOTTOM RAIL



1- ASTRAGAL

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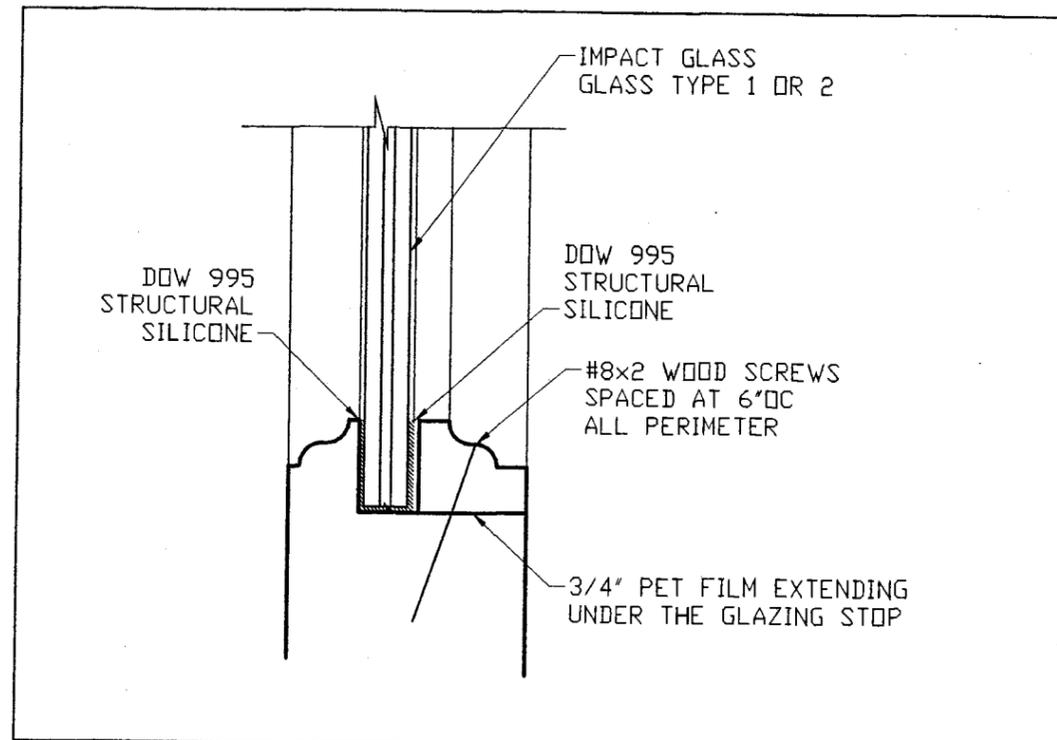
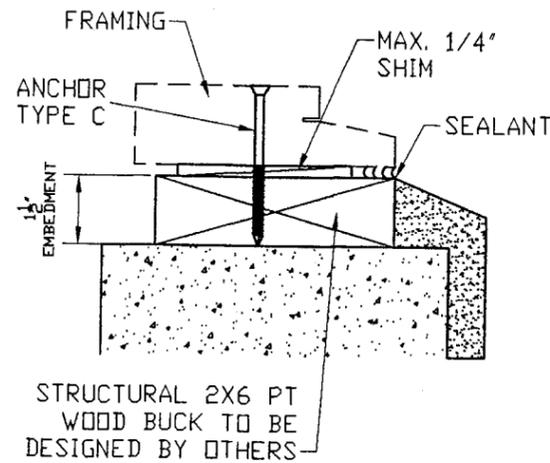
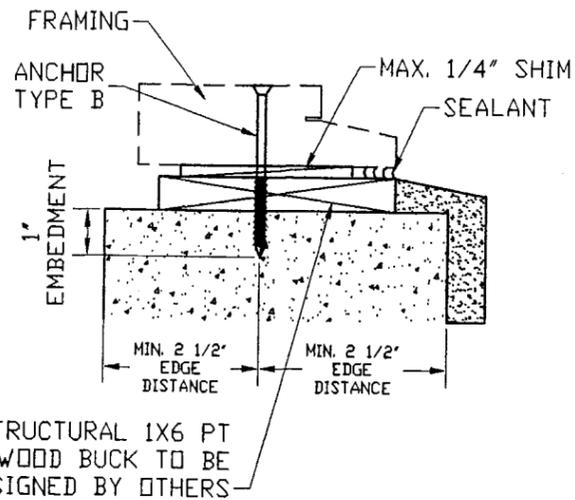
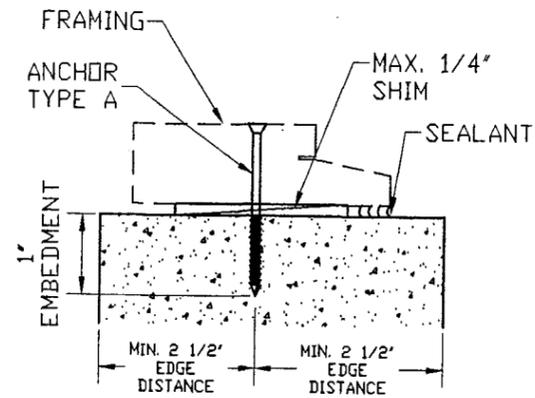
GENERAL CONDITIONS

ANCHORAGE NOTES:

- 1- SILL, JAMB AND HEADER WITH TYPE A, B OR C ANCHOR OPTIONS.
- 2- SEE ELEVATIONS FOR EACH INDIVIDUAL TYPE OF WINDOW FOR ANCHORAGE SPACING AND LAY-OUT.

ANCHOR OPTIONS:

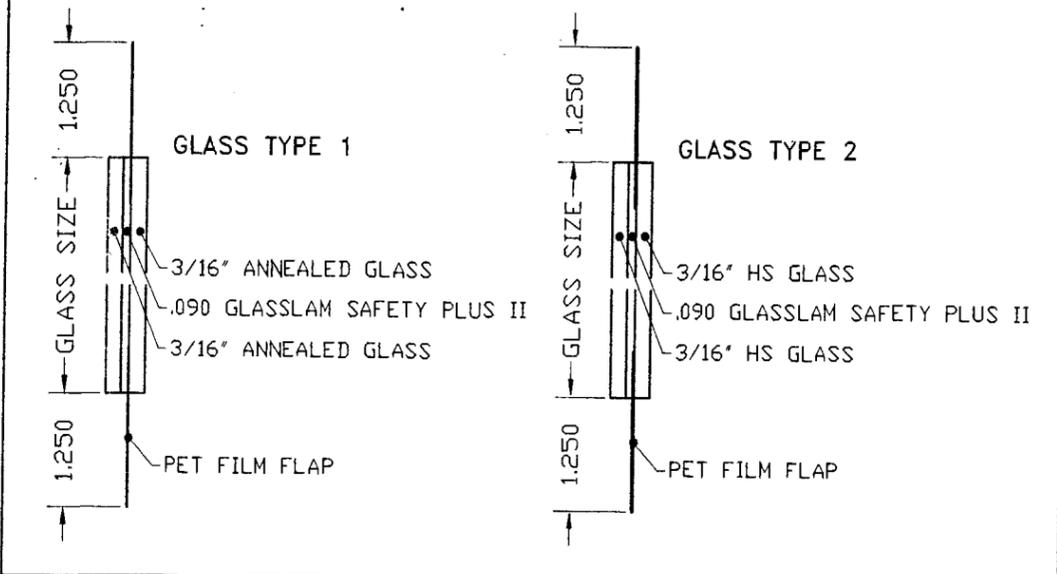
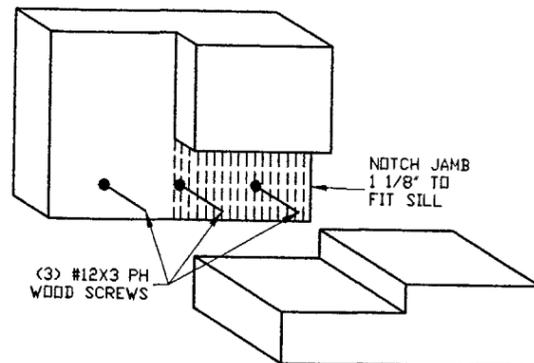
- A - 1/4" ITW TAPCON 1" EMBEDMENT INTO 3192 PSI CONCRETE
- B - 1/4" ITW TAPCON THROUGH 1X6 PT WOOD BUCK AND WITH 1" EMBEDMENT INTO 3192 PSI CONCRETE
- C - 1/4" ITW TAPCON WITH 1 1/2" EMBEDMENT INTO 2X6 PT WOOD BUCK



GLAZING SCHEDULE:

MODEL	DLO	LOCATION	GLASS		GLASS BITE		
			TYPE	AREA	TOP	BOT	SID
A	67.750 x 31.500	TRANSOM	1	14.1	1.00	1.00	1.00
A	28.250 x 63.875	SASH	1	12.5	1.00	1.00	0.81
A1	70.625 x 37.500	TRANSOM	2	18.3	1.00	1.00	1.00
A1	28.375 x 65.000	SASH	2	12.8	0.69	0.69	0.88
B	28.375 x 65.875	SASH	1	12.9	1.00	0.75	1.15
C	28.625 x 65.375	SASH	1	12.9	0.75	0.82	0.75

CORNER CONSTRUCTION:
BUTT JOINED WITH
JAMB MEMBER RABBETED
TO 1 1/8". GLUE WAS
APPLIED TO EACH
CORNER AND JOINED
WITH (3) #12X3 PHWS



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