



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

www.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Diebold, Incorporated
818 Mulberry Road S.E.
Canton, OH 44707

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: Bullet Resistant Drive Up Window

APPROVAL DOCUMENT: Drawing No. **08-017**, titled Bullet Resistant Drive-Up Window, sheets 1 through 7 of 7, dated 01/07/08, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E. on 03/19/08, 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 **Mohammed Iqbal Shaikh, P.E.**



Md
04/06/08

NOA No. 08-0324.12
Expiration Date: May 1, 2013
Approval Date: May 1, 2008
Page 1

Diebold, Incorporated

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-017**, Sheets 1 through 7 of 7, titled Bullet Resistant Drive-Up Window, dated 01/07/08, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E on 03/19/08.

B. TESTS

1. Test reports on 1) Large Missile Impact Test per TAS 201
2) Cyclic Wind Pressure Loading per TAS 203
along with marked-up drawings and installation diagram of a steel fixed window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **0084-1020-07** dated 02/20/08, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Air Infiltration Test, per TAS 202
2) Uniform Static Air Pressure Test, Loading per TAS 202
3) Water Resistance Test, per TAS 202
along with marked-up drawings and installation diagram of a steel fixed window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **0084-1020-07**, dated 02/20/08, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

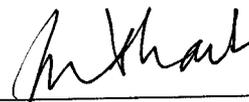
1. Anchor verification calculations and structural analysis, complying with FBC-2004, dated 01/30/08, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E. on 03/19/08.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III G Clear or colored interlayer." dated 05/04/06 and expiring on 05/21/11.



Mohammed Iqbal Shaikh, P.E.
Sr. Building Code Compliance Specialist
NOA No. 08-0324.12
Expiration Date: May 01, 2013
Approval Date: May 01, 2008

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F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated March 19, 2008, signed and sealed by Pedro De Figueiredo, P.E.
2. Laboratory compliance letter for above mentioned tests by Hurricane Test Laboratory, LLC dated 02/20/08, signed and sealed by Vinu J. Abraham, P.E.



Mohammed Iqbal Shaikh, P.E.
Sr. Building Code Compliance Specialist
NOA No. 08-0324.12
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INDEX:

- SHEET 1 of 7 - INDEX, GENERAL NOTES AND TYPICAL ELEVATIONS
- SHEET 2 of 7 - DESIGN LOADS & GLAZING OPTIONS
- SHEET 3 of 7 - SECTION DETAILS
- SHEET 4 of 7 - ANCHORAGE OPTIONS
- SHEET 5 of 7 - ANCHORAGE OPTIONS
- SHEET 6 of 7 - WINDOW ASSEMBLY
- SHEET 7 of 7 - BILL OF MATERIALS AND COMPONENTS

GENERAL NOTES:

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 ED INCLUDING THE HVHZ (HIGH VELOCITY HURRICANE ZONE).

2- DEFINITION: THIS PRODUCT IS AN ALUMINUM FIXED IMPACT RESISTANT LAMINATED GLASS, TYPE WINDOW RATED FOR LARGE & SMALL MISSILE

3- POSTING:
 'BULLET RESISTANT - DRIVE-UP WINDOW'
 DIEBOLD INCORPORATED - CANTON - OHIO
 DADE COUNTY PRODUCT CONTROL APPROVED'

4- DESIGN LOADS: THE DESIGNED 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 SPECIFIED IN TABLES 1 AND/OR 2 ON SHEET 2.

5- MATERIAL: ALL ALUMINUM PARTS TO BE 6061-T6 ALLOY AND GLAZING TO BE LAMINATED 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.

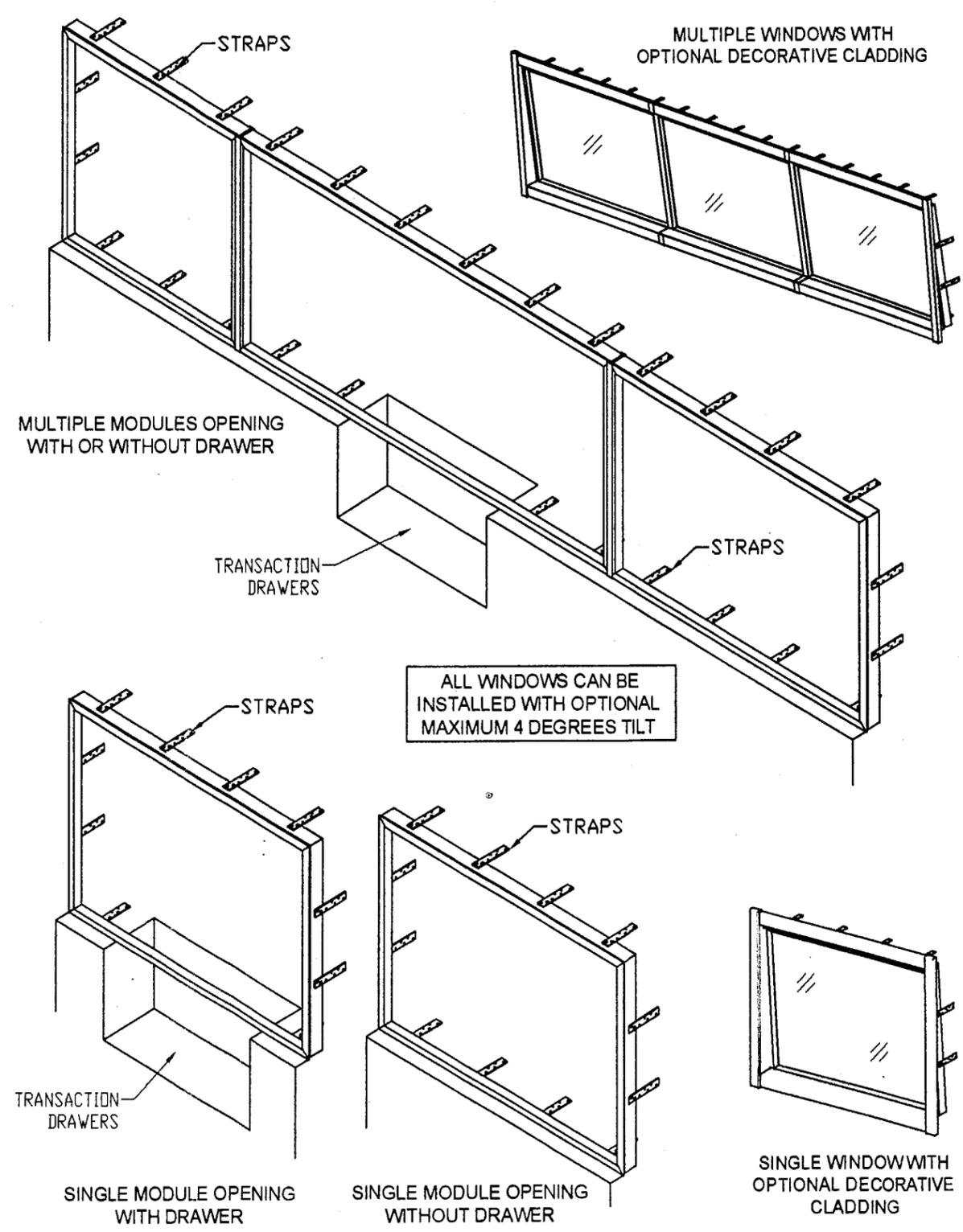
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

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, HOWEVER, WOOD ANCHORS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE

TYPICAL ELEVATIONS



MANUFACTURER:
DIEBOLD
 INCORPORATED
 818 MULBERRY Rd. SE
 CANTON, OH - 44707
 TEL.: (800) 456-1286
 FAX: (330) 489-4140

PRODUCT:
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 DRIVE-UP WINDOW**

Engineering:
EngCo Inc.
 CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, Fl. 33313
 ENGCO@AOL.COM

MAR 19 2008
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

Date: 01/07/08
 Scale: NA
 Design by: PPMF

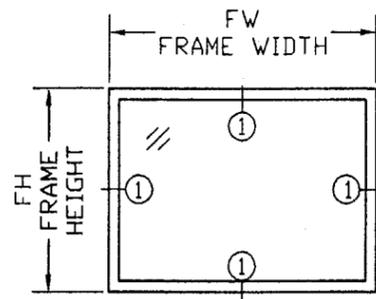
MIAMI DADE BCCO:
 Approved as complying with the
 Florida Building Code
 Date 05/01/08
 NOAH DB-0324-12
 Miami Dade Product Control
 Division
 By M Phair

DRAFTING:
PK DRAFTING & MORE

Drawing Number
08-017

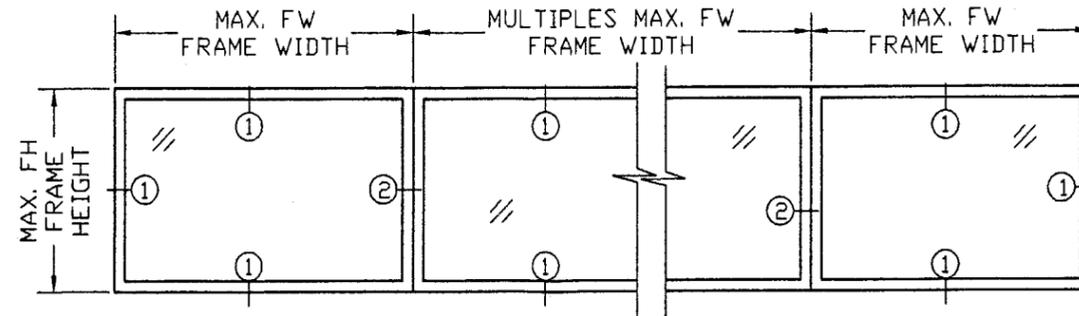
Sheet
1 of 7

TABLE 1
SINGLE MODULE SELECTION TABLE



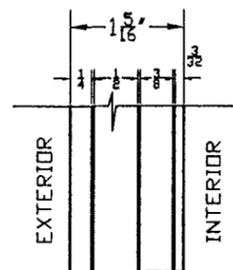
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	PRESSURE RATING (PSF)
35.875	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
49.875	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
60	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
72	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
84	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
108	30	80
	36	80
	38	80
	40	80
	42	80
	42 5/8	80
120	30	80
	36	80
	38 5/8	80
130	30	80
	35 7/8	80

TABLE 2
MULTIPLE FW MODULES SELECTION TABLE



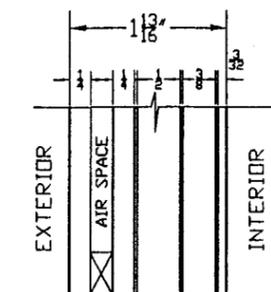
MAX. FH (IN)	MAX. FW (IN)	PRESSURE (PSF)
35.875	130	80
39.000	120	58
42.000	111	43
44.000	106	36
46.000	101	30

GLAZING OPTIONS AND DETAIL



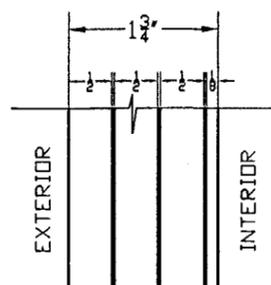
10- NOMINAL 1⁵/₁₆" LEVEL 1

LAMINATED GLASS MADE OF
(EXT) 1/4 AN + 0.03 PVB+
1/2 AN+.03 PVB+ 3/8 AN+
.03 PVB+ 3/32 AN (INT)
PVB- SOLUTIA SAFLEX INTERLAYER



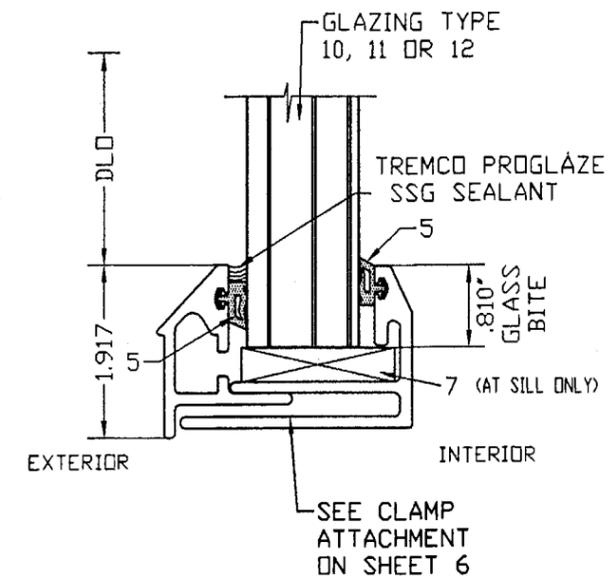
11- NOMINAL 1¹³/₁₆" LEVEL 1

IG LAMINATED GLASS MADE OF
(EXT) 1/4 AN+ 1/4 AIR+
1/4 AN+.03 PVB+ 1/2 AN+ .03 PVB+
3/8 AN+ .03 PVB+ 3/32 AN (INT)
PVB- SOLUTIA SAFLEX INTERLAYER



12- NOMINAL 1³/₄" LEVEL 3

LAMINATED GLASS MADE OF
(EXT) 1/2 AN + .015 PVB+ 1/2 AN+
.015 PVB+ 1/2 AN+ .015 PVB+
1/8 AN+ .015 PVB+ 1/8 AN+ (INT)
PVB- SOLUTIA SAFLEX INTERLAYER



MANUFACTURER:

DIEBOLD
INCORPORATED

818 MULBERRY Rd. SE
CANTON, OH - 44707
TEL.: (800) 456-1286
FAX: (330) 489-4140

PRODUCT:
**BULLET RESISTANT
DRIVE-UP WINDOW**

Engineering:
EngCo Inc.
CA 8116
6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
ENGCO@AOL.COM

MAR 19 2008

Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 01/07/08
Scale: NA
Design by: PPMF

MIAMI DADE BCCO:

Approved as complying with the
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Date: 05/01/08
NOA# 08-0324-12
Miami Dade Product Control
Division
By: *M. Thark*

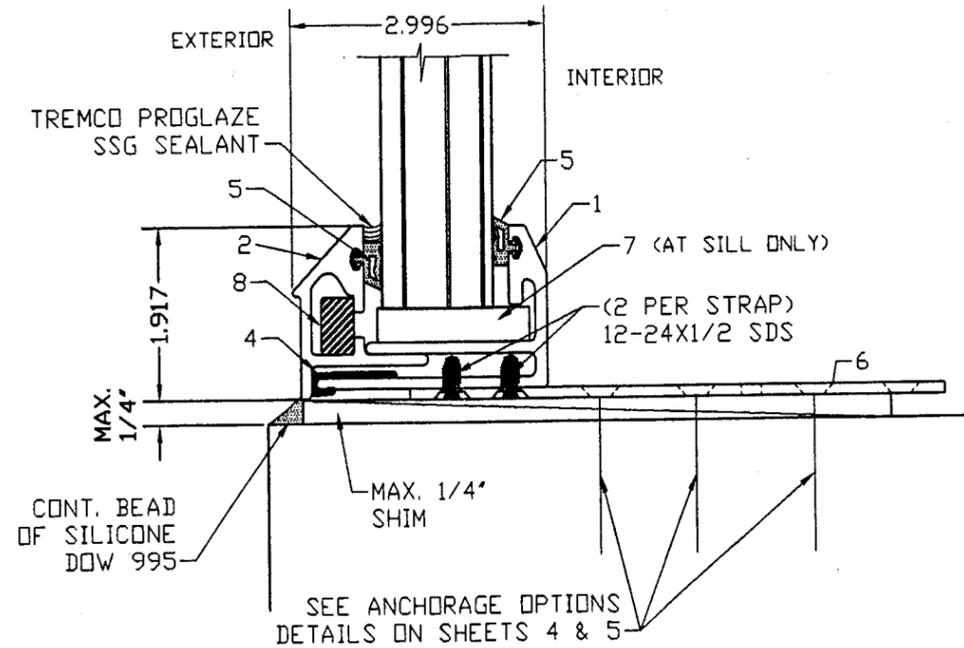
DRAFTING:
PK DRAFTING & MORE

Drawing Number
08-017

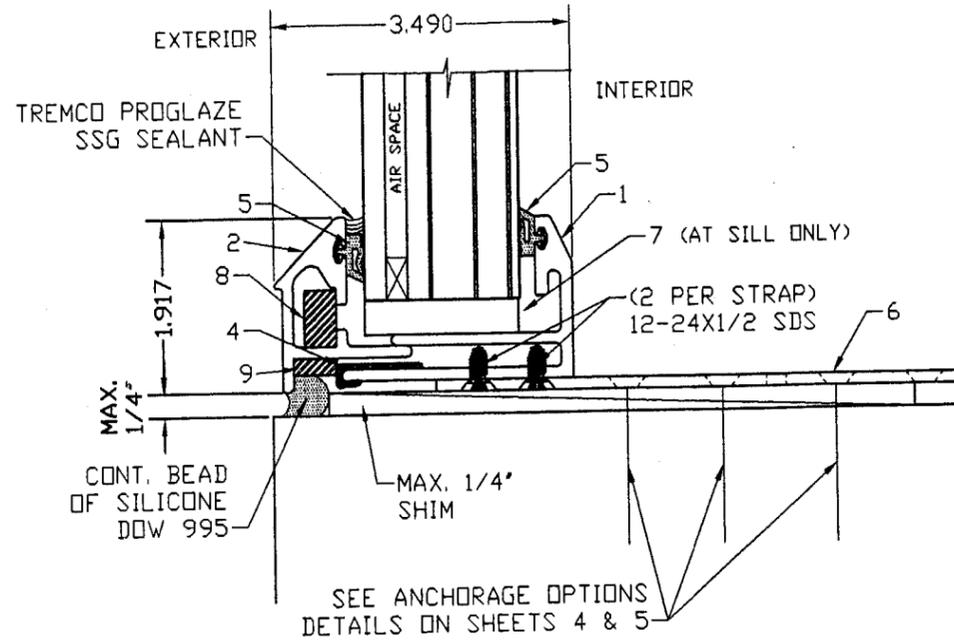
Sheet
2 of 7

TYPICAL SECTIONS

① PERIMETER FRAMING HEADER/ SILL/ JAMB WITH 1 5/8" LEVEL 1



① PERIMETER FRAMING HEADER/ SILL/ JAMB WITH 1 1/2" LEVEL 1 OR 1 3/4" LEVEL 3

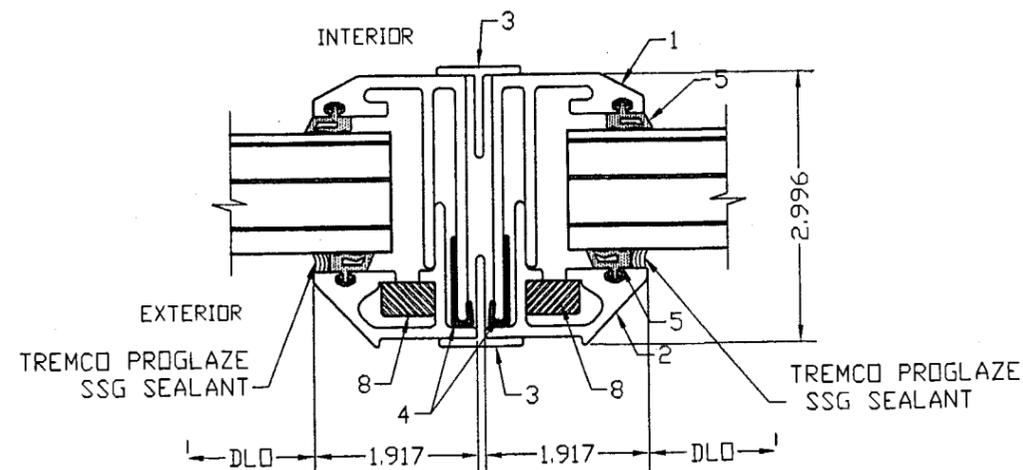


SEALANTS

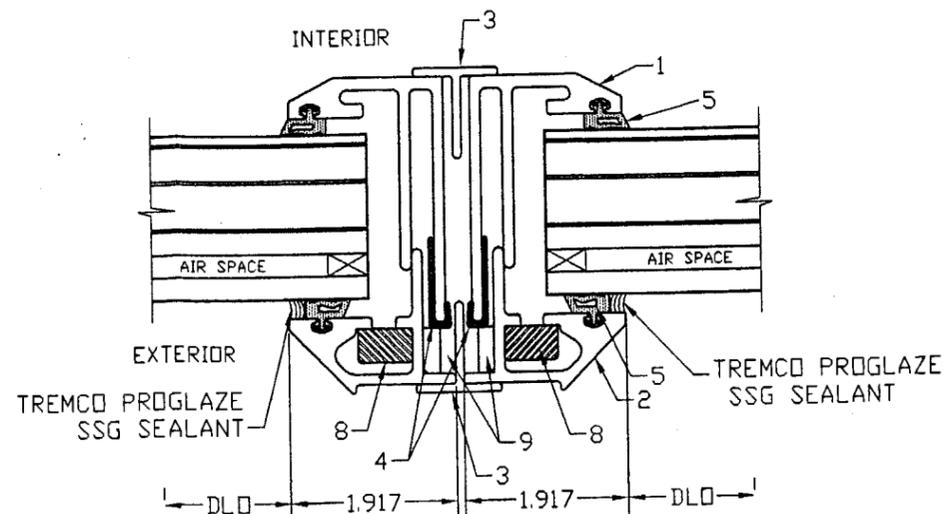
CORNERS	BEAD OF TREMCO PROGLAZE SSG
PERIMETER	DOW 995 STRUCTURAL GLAZING
GLAZING	TREMCO PROGLAZE SSG
MULLION	DOW 995 STRUCTURAL GLAZING

NOTE: RECOMMENDED STRUCTURAL SILICONE ABOVE CAN BE INTERCHANGEABLE BETWEEN DOW 995 OR TREMCO PROGLAZE

② 'T' MULLION WITH 1 5/8" LEVEL 1



② 'T' MULLION WITH 1 1/2" LEVEL 1 OR 1 3/4" LEVEL 3



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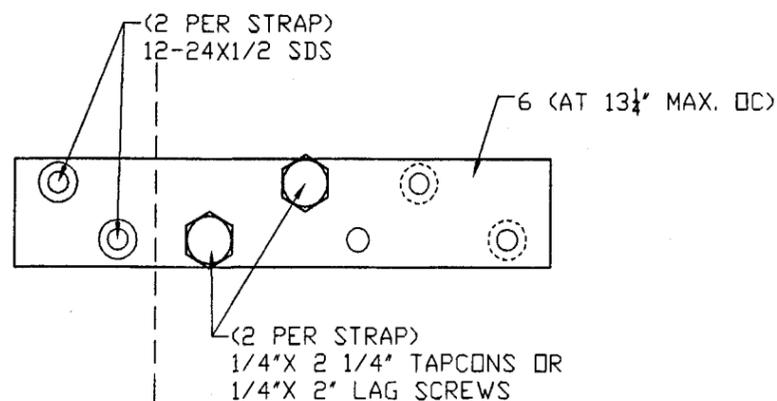
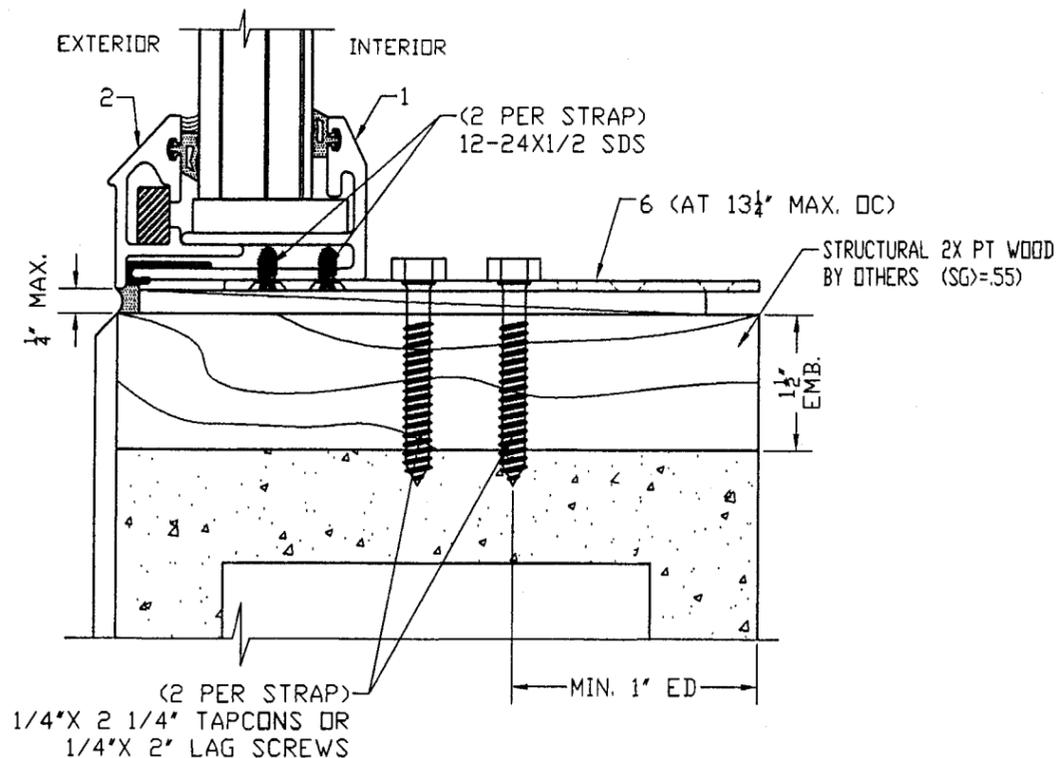
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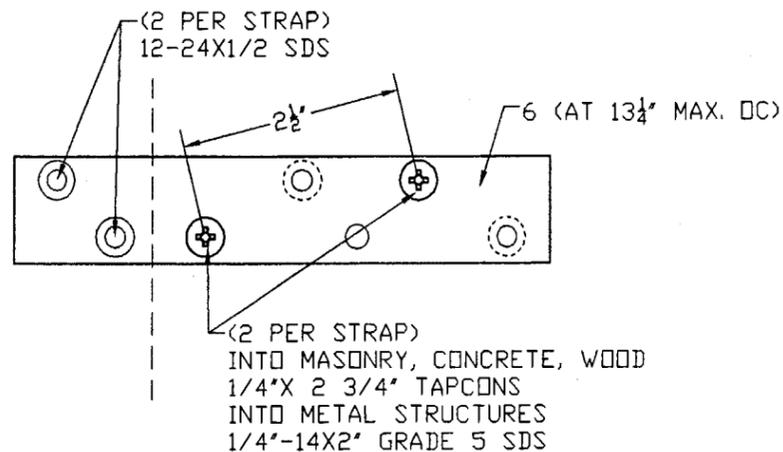
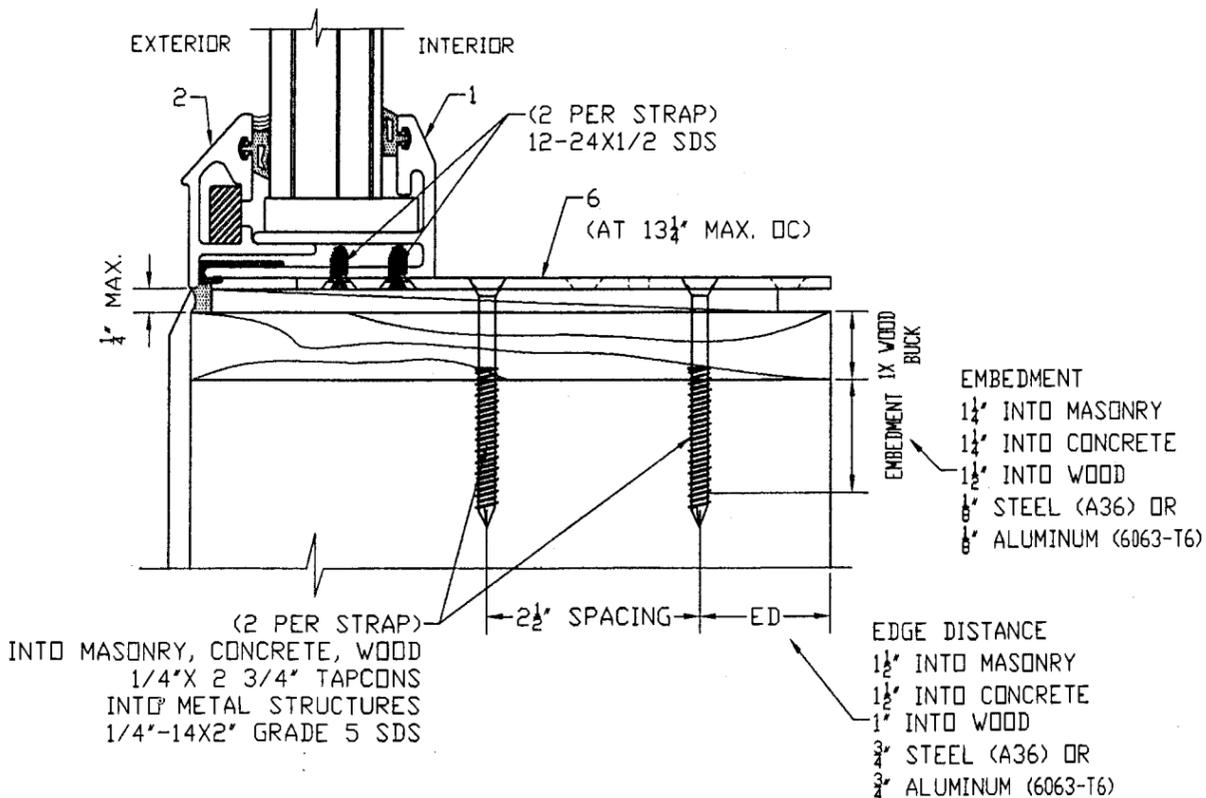
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ANCHORAGE OPTIONS

ANCHORAGE INTO 2X WOOD BUCK (SG>=55)



ANCHORAGE INTO MASONRY, CONCRETE OR METAL STRUCTURES THROUGH 1X WOOD BUCK



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[Signature]
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By: *[Signature]*

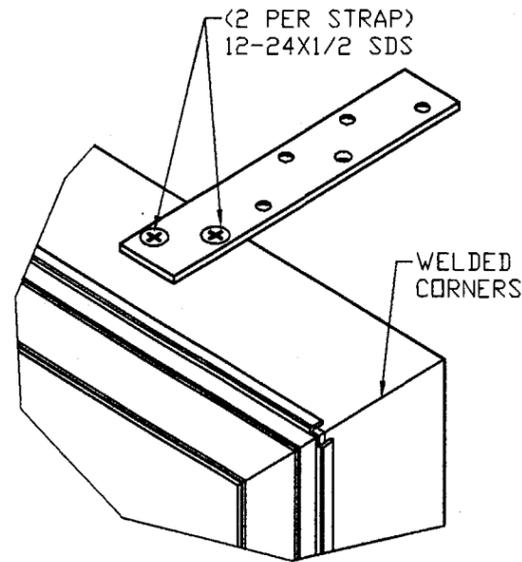
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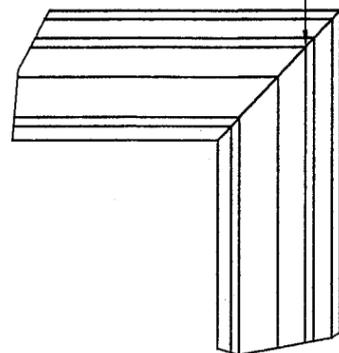
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WINDOW ASSEMBLY

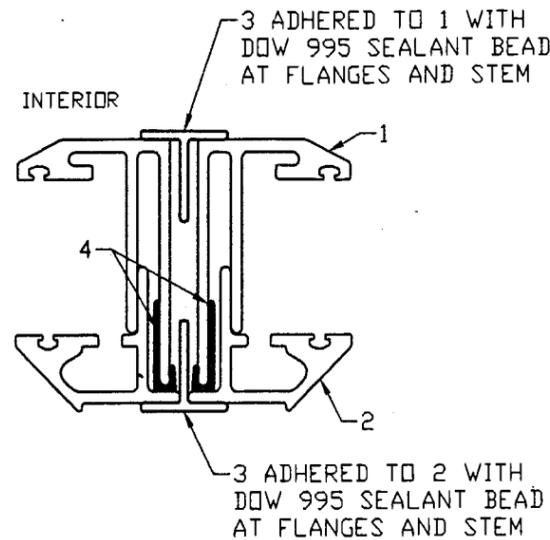


STRAP ATTACHMENT

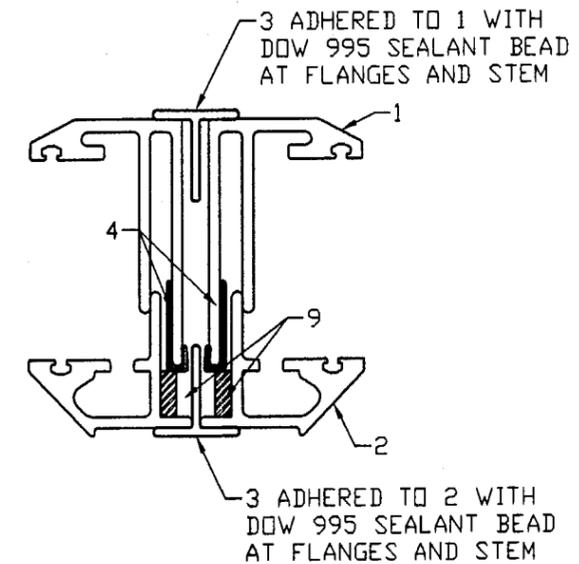
TYPICAL FRAME CORNER CONSTRUCTION:
EACH CORNER, BOTH INNER AND OUTER FRAME MEMBERS ENDS WERE MITER CUT, BUTTED, AND WELDED TO THE ADJACENT MEMBER
6 TOTAL WELDS PER CORNER AS PER BELOW:
AT MEMBER #2 (OUTER FRAME): (3) 0.12" SQUARE GROOVE WELDS
AT MEMBER #1 (INNER FRAME): (3) 0.12" SQUARE GROOVE WELDS



MULLION ASSEMBLY



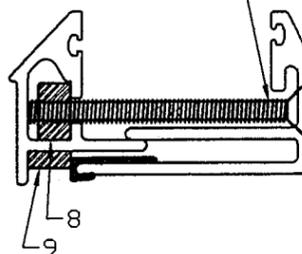
MULLION ASSEMBLY
WITH 1 1/8" LEVEL 1 OR 1 3/4" LEVEL 3



MULLION ASSEMBLY
WITH 1 5/8" LEVEL 1

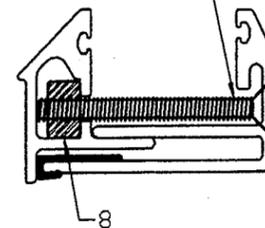
CLAMP ATTACHMENT

1/4-20x3 1/4" FPHMS
SPACED AT 8" OC

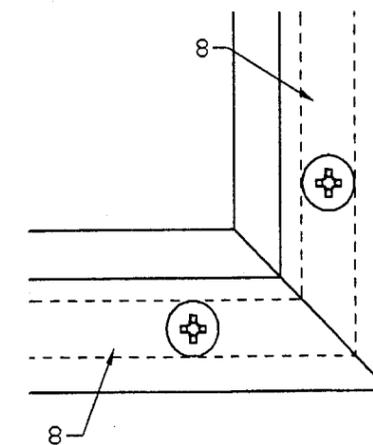


TYPICAL CLAMP FRAMING
HEADER/ SILL/ JAMB
WITH 1 1/8" LEVEL 1
OR 1 3/4" LEVEL 3

1/4-20x2 3/4" PHMS
SPACED AT 8" OC



TYPICAL CLAMP FRAMING
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WITH 1 5/8" LEVEL 1



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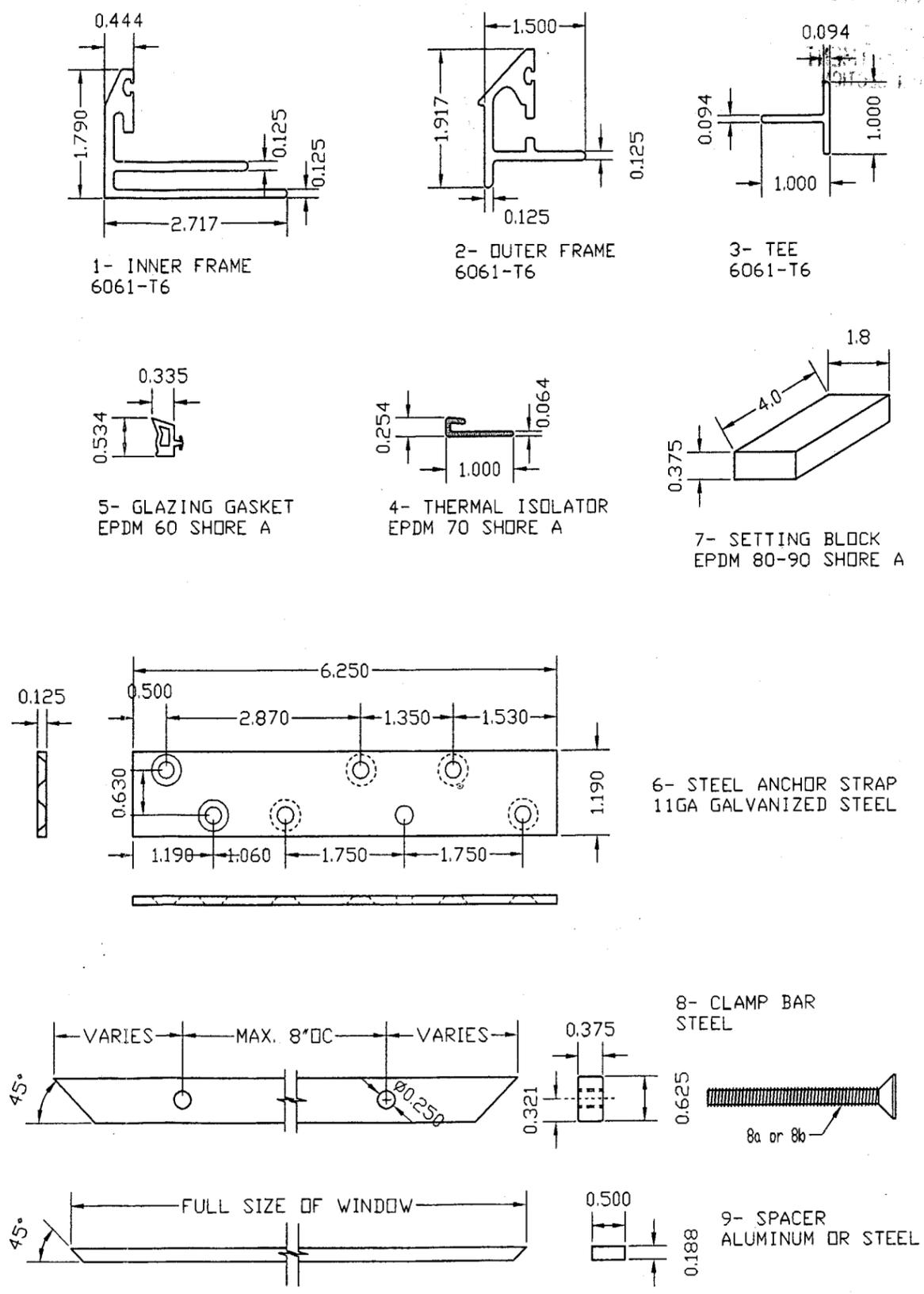
Drawing Number
08-017

Sheet
6 of 7

BILL OF MATERIALS

DWG MARK	DESCRIPTION	PART NUMBER
1	INNER FRAME WINDOW	41-020709
2	OUTER FRAME WINDOW	41-020710
3	"T" MULLION	41-020541
4	THERMAL ISOLATOR	41-020531
5	INNER GLAZING GASKET	41-020533
5	OUTER GLAZING GASKET	41-020534
6	FRAMING STRAP	41-020532
6	#12-24x1/2 SDS	29-016971
7	GLASS SETTING BLOCK	41-020530
8	CLAMP BAR	41-020527
8a	1/4-20x2.75 CLAMP SCREWS	29-016908B
8b	1/4-20x3.25 CLAMP SCREWS	29-016908C
9	.5x.188 SPACER	41-020588
10	LEVEL 1 GLAZING	41-020540
11	LEVEL 1 IG GLAZING	41-020585
12	LEVEL 3 GLAZING	41-020555
13	FRAME CORNER SEALANT	DOW 995

WINDOW COMPONENTS



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 Division
 By: M. Khalil

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PK DRAFTING & MORE

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Sheet
7 of 7