



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Diebold, Inc.
S.E. 818 Mulberry Road
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 and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "Bullet Resistant Drive-Up Window" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 12-162, Series titled "Bullet Resistant Drive Up Window Fixed Window Large & Small Missile Impact Resistant", sheets 1 through 7 of 7, dated 05/29/08 with the latest revision dated 08/08/12, prepared by EngCo, Inc., signed and sealed by Pedro De Figueiredo, P. E., bearing the Miami-Dade County Product Control Section stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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, model/series, 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 **revises and renews** NOA No. 08-0611.13 and 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
11/8/12

NOA No. 12-0914.14
Expiration Date: September 11, 2018
Approval Date: November 15, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0611.13)
2. Drawing No. **12-162**, Series titled "Bullet Resistant Drive Up Window Fixed Window Large & Small Missile Impact Resistant", sheets 1 through 7 of 7, dated 05/29/08 with the latest revision dated 08/08/12, prepared by EngCo, Inc., 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of a bullet resistant drive-up, aluminum fixed window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0084-1021-07**, dated 04/16/08, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 08-0611.13)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by EngCo, Inc., dated 09/04/12, signed and sealed by Pedro De Figueiredo, P. E.
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with FBC-2010, issued by EngCo, Inc., dated 09/04/12, signed and sealed by Pedro De Figueiredo, P. E.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0914.14
Expiration Date: September 11, 2018
Approval Date: November 15, 2012

Diebold, Inc.

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F. STATEMENTS (CONTINUED)

2. Laboratory compliance letter for Test Report No. **HTL-0084-1021-07**, issued by Hurricane Test Laboratory, LLC, dated 04/16/08, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 08-0611.13)

G. OTHERS

1. Notice of Acceptance No. **08-0611.13**, issued to Diebold, Inc. for their Series "Bullet Resistant Drive-Up Window Aluminum Fixed Window", approved on 09/11/08 and expiring on 09/11/13.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0914.14
Expiration Date: September 11, 2018
Approval Date: November 15, 2012

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7 of 7	BILL OF MATERIALS AND COMPONENTS

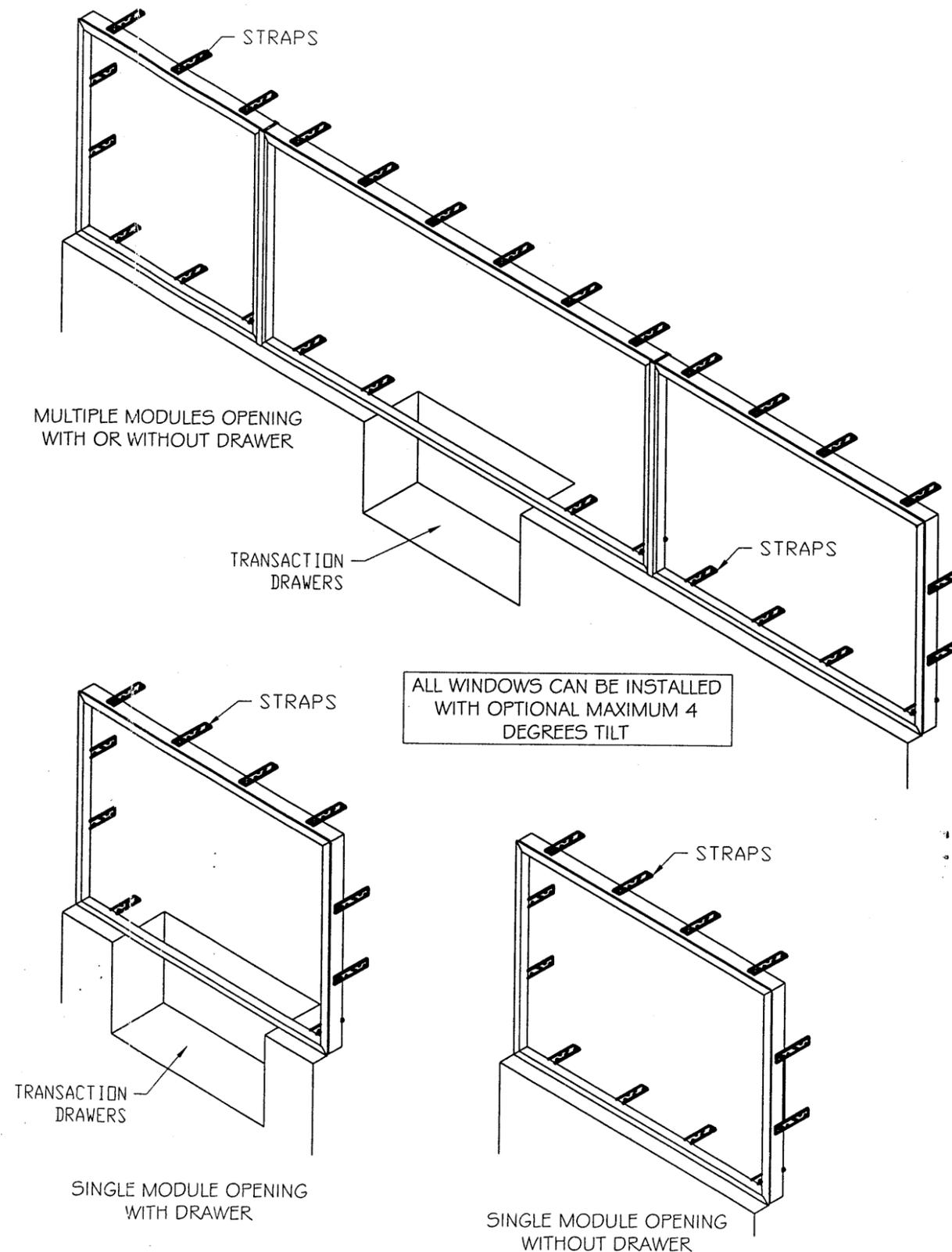
GENERAL NOTES:

FLORIDA BUILDING CODE 2010 HVHZ
LARGE & SMALL MISSILE IMPACT RATED

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FBC 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM IMPACT RESISTANT FIXED WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE & SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. INSTALLATION OF HURRICANE PROTECTION DEVICES IS NOT REQUIRED.
- 3- POSTING:

"BULLET RESISTANT - DRIVE-UP WINDOW"
 DIEBOLD INCORPORATED - CANTON - OHIO
 LARGE & SMALL MISSILE IMPACT RATED
 MIAMI-DADE PRODUCT CONTROL APPROVED
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES SPECIFIED IN TABLES 1 AND 2 ON SHEET 2. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-10, ARE TO BE MULTIPLE BY 0.6
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED IMPACT GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 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 PRODUCT 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- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE.

TYPICAL ELEVATIONS



MANUFACTURER:

DIEBOLD
INCORPORATED

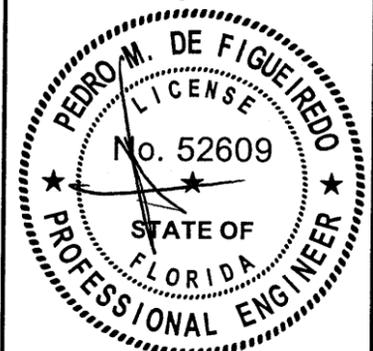
818 MULBERRY RD. SE
CANTON, OH - 44707
PHONE: (800) 456-1286
FAX: (330) 489-4140

PRODUCT:

**BULLET RESISTANT
DRIVE-UP WINDOW**
FIXED WINDOW
LARGE & SMALL MISSILE
IMPACT RESISTANT

ENGINEERING:

ENGCO INC. CA 8116
5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCO@AOL.COM



SEP 04 2012 Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

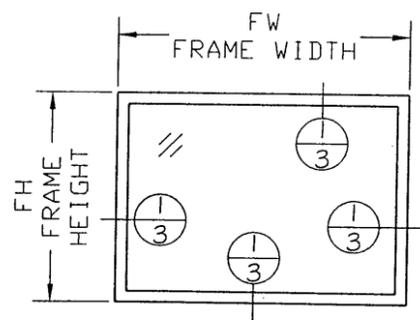
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0914.14
Expiration Date 09/11/2018
By *[Signature]*
Miami Dade Product Control

DATE: 08/08/2012
SCALE: NA
DESIGN BY: PPMF

SHEET
1 OF 7

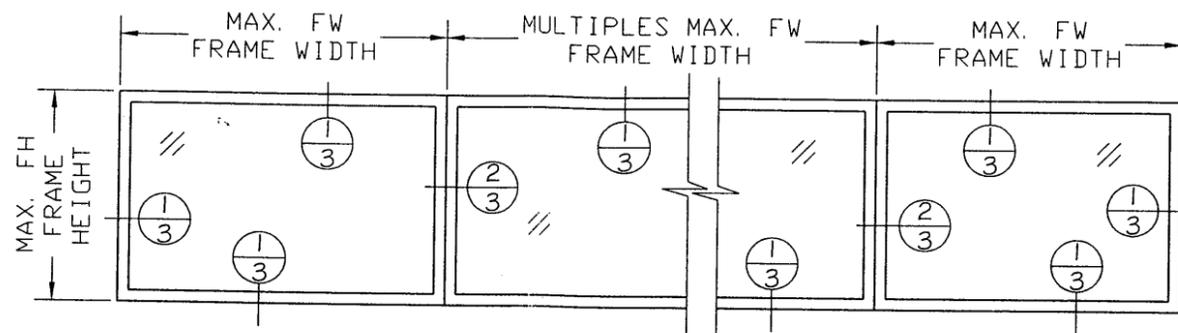
DRAWING #:
12-162

TABLE 1
SINGLE MODULE SELECTION TABLE



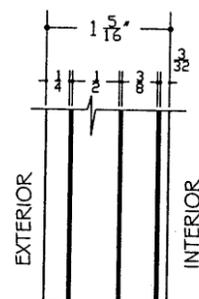
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	PRESSURE RATING (PSF)
35.875	30	80
	36	80
	38	80
	40	80
	43.5	80
	46	80
49.875	30	80
	36	80
	38	80
	40	80
	43.5	80
	46	80
60	30	80
	36	80
	38	80
	40	80
	43.5	80
	46	80
72	30	80
	36	80
	38	80
	40	80
	43.5	80
	46	80
84	30	80
	36	80
	38	80
	40	80
	43.5	80
	46	80
95.5	30	80
	36	80
	38	80
	40	80
	42	80
	43.5	80
120	30	80
	34.5	80
130	31.5	80

TABLE 2
MULTIPLE FW MODULES SELECTION TABLE



MAX. FH (IN)	MAX. FW (IN)	PRESSURE (PSF)
43.50	95.5	80
45.00	92.0	70
46.00	90.0	64

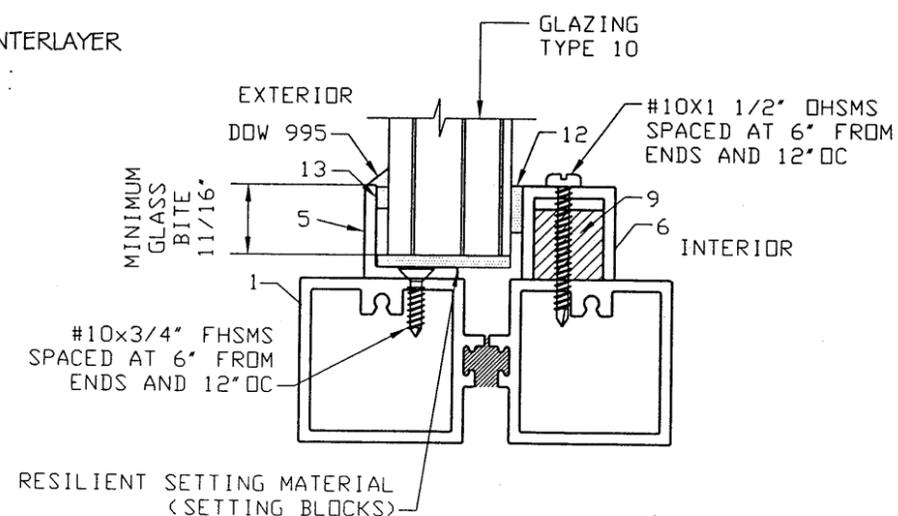
GLAZING OPTIONS AND DETAILS



10- NOMINAL 1-5/16" 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 IIIIG INTERLAYER



MANUFACTURER:

DEBOLD
INCORPORATED

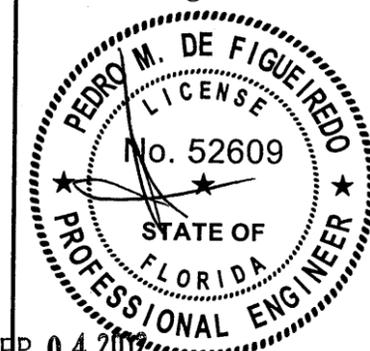
818 MULBERRY RD. SE
CANTON, OH - 44707
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FAX: (330) 489-4140

PRODUCT:

**BULLET RESISTANT
DRIVE-UP WINDOW**
FIXED WINDOW
LARGE & SMALL MISSILE
IMPACT RESISTANT

ENGINEERING:

ENGCO INC. CA 8116
5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCO@AOL.COM



SEP 04 2012

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

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By *[Signature]*
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DESIGN BY: PPMF

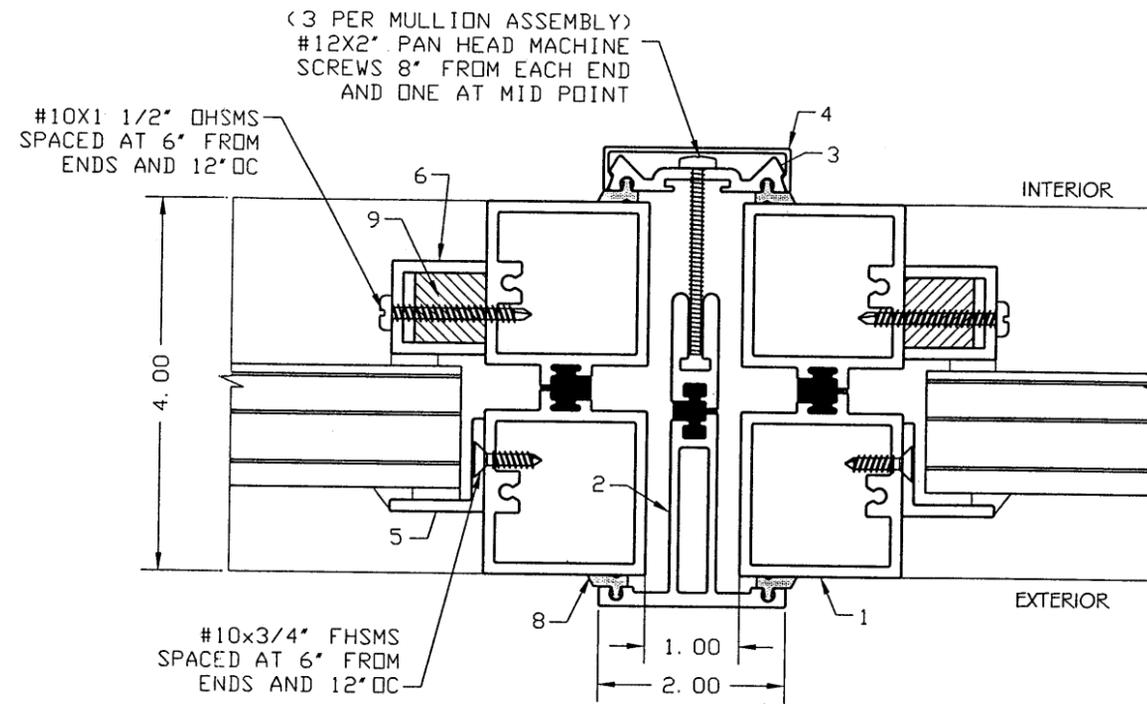
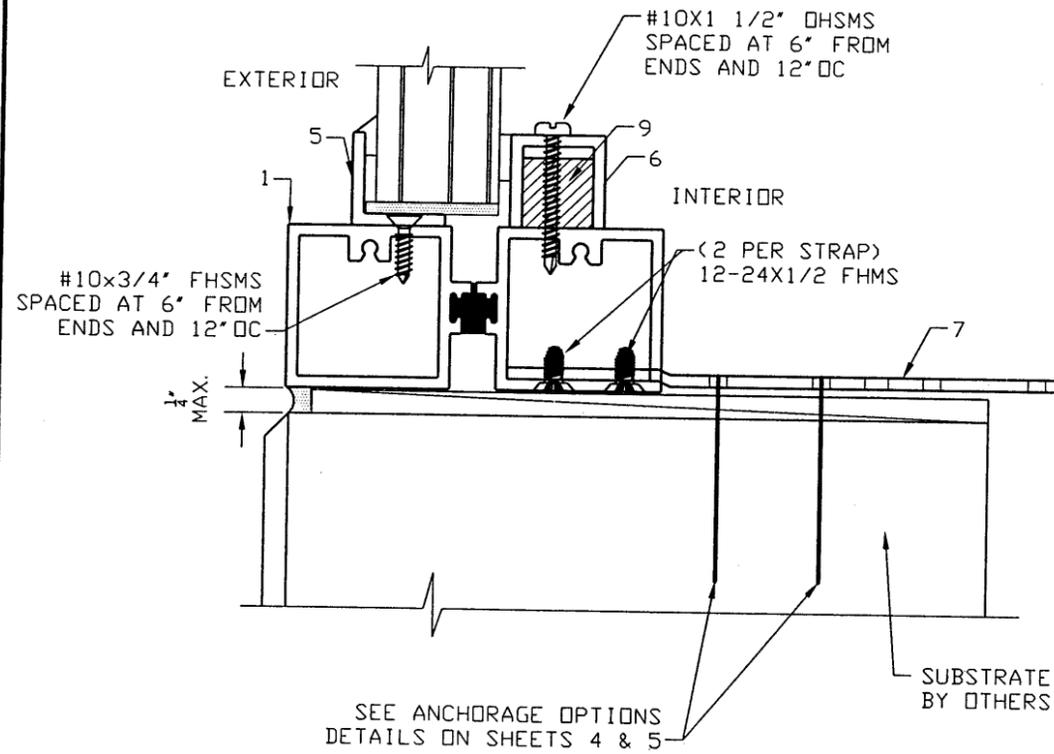
SHEET
2 OF 7

DRAWING #:
12-162

TYPICAL SECTIONS

①
③ PERIMETER FRAMING HEADER/ SILL/ JAMB WITH 1-5/16" LEVEL 1

②
③ "T" MULLION WITH 1 5/16" LEVEL 1



SEALANTS

CORNERS	DOW 995 STRUCTURAL GLAZING
PERIMETER	DOW 995 STRUCTURAL GLAZING
	TREMCO VULKEM 116 SEALANT
GLAZING	DOW 995 STRUCTURAL GLAZING

MANUFACTURER:

DEBOLD
INCORPORATED

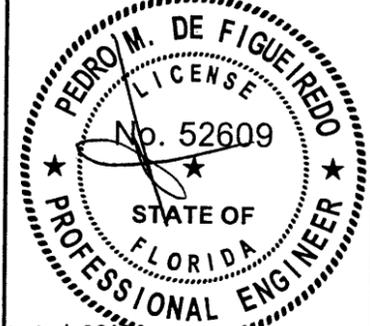
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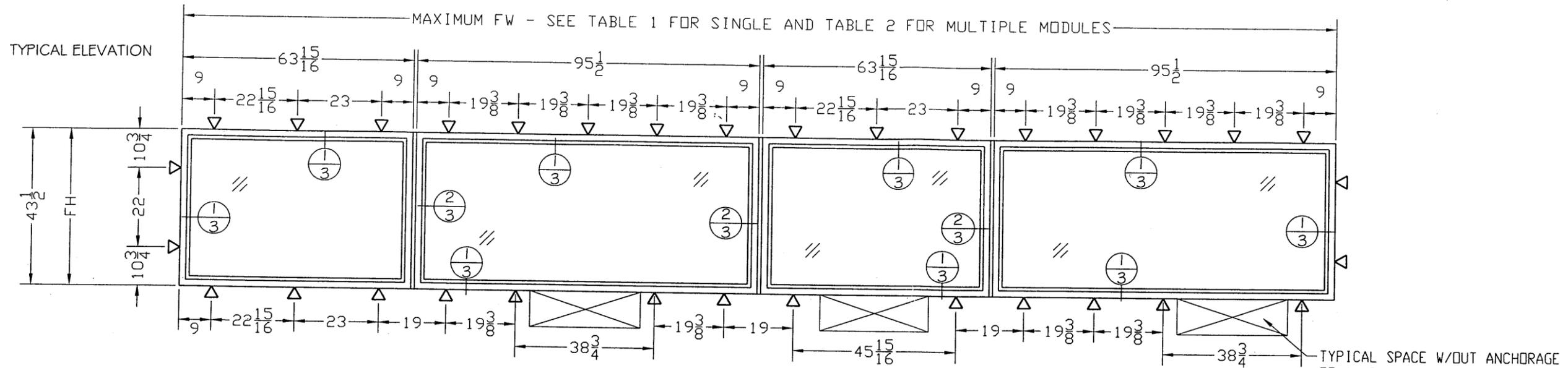
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DATE: 08/08/2012
SCALE: 1:1/2
DESIGN BY: PPM

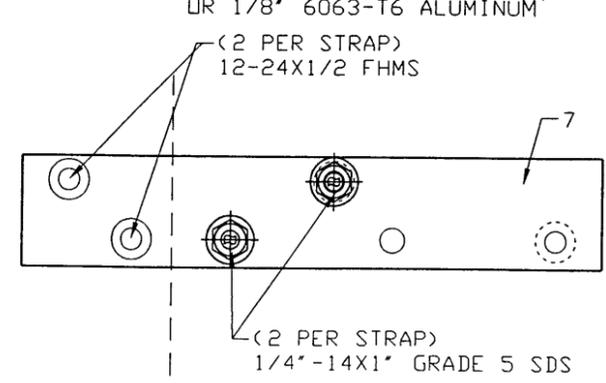
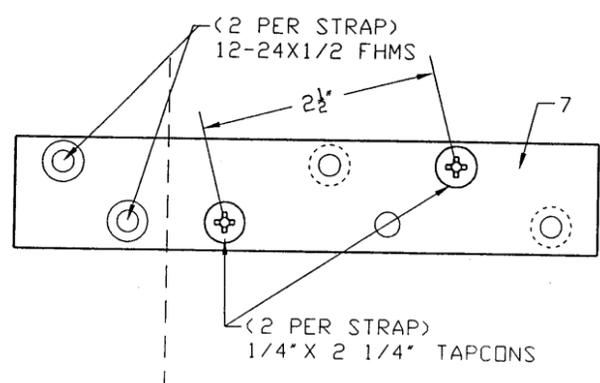
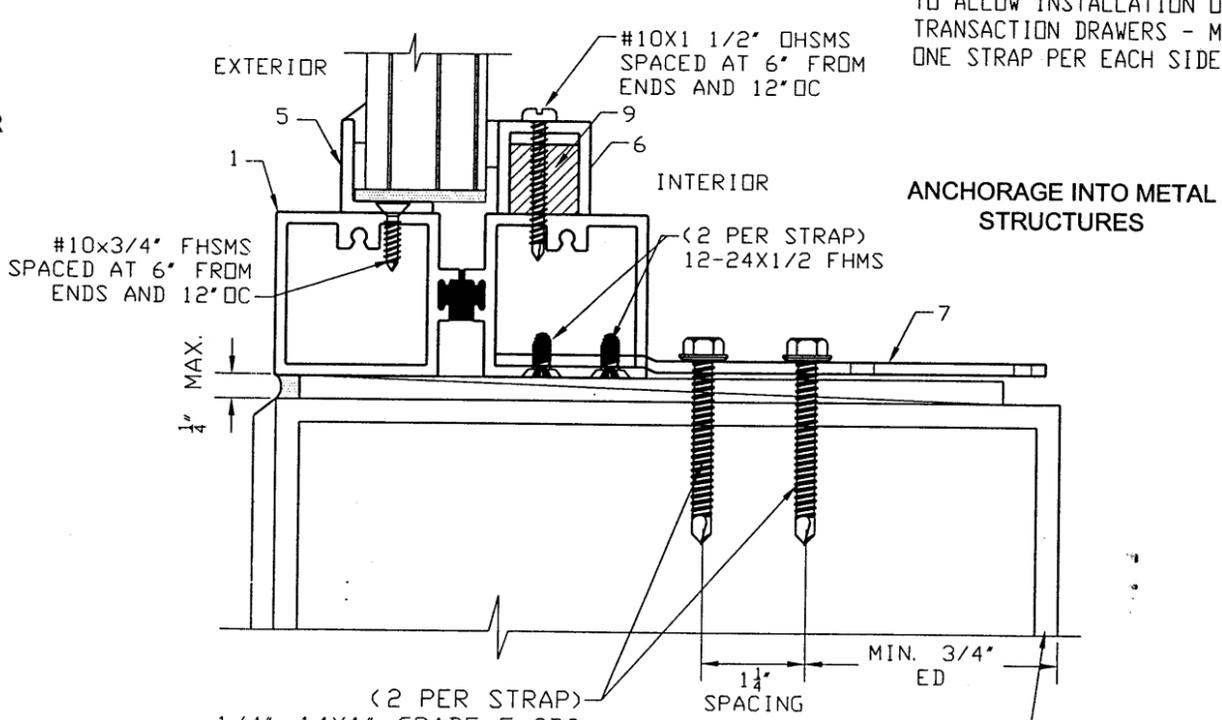
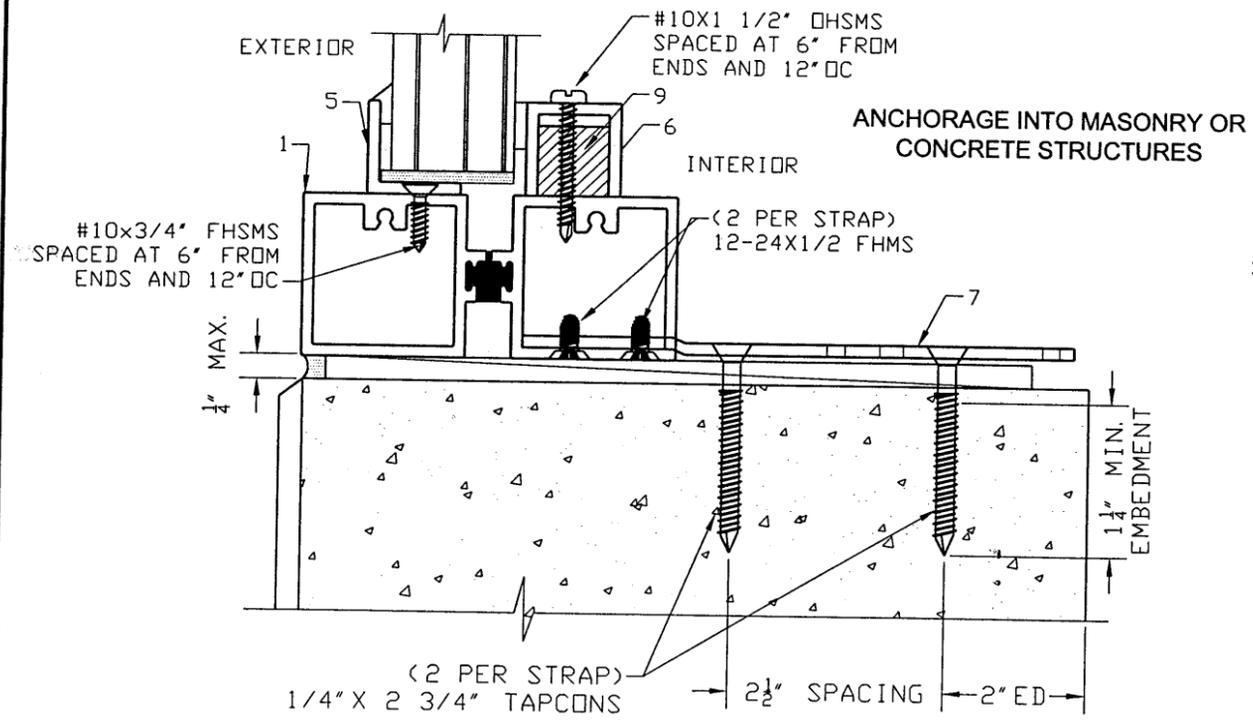
SHEET
3 OF 7

DRAWING #:
12-162

ANCHORAGE OPTIONS



TYPICAL SPACE W/OUT ANCHORAGE TO ALLOW INSTALLATION OF 32" TRANSACTION DRAWERS - MINIMUM ONE STRAP PER EACH SIDE

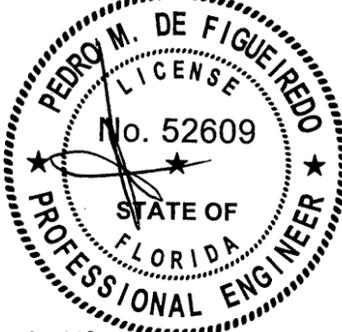


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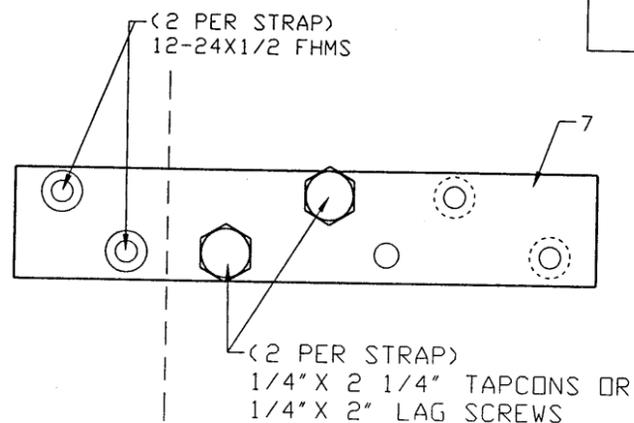
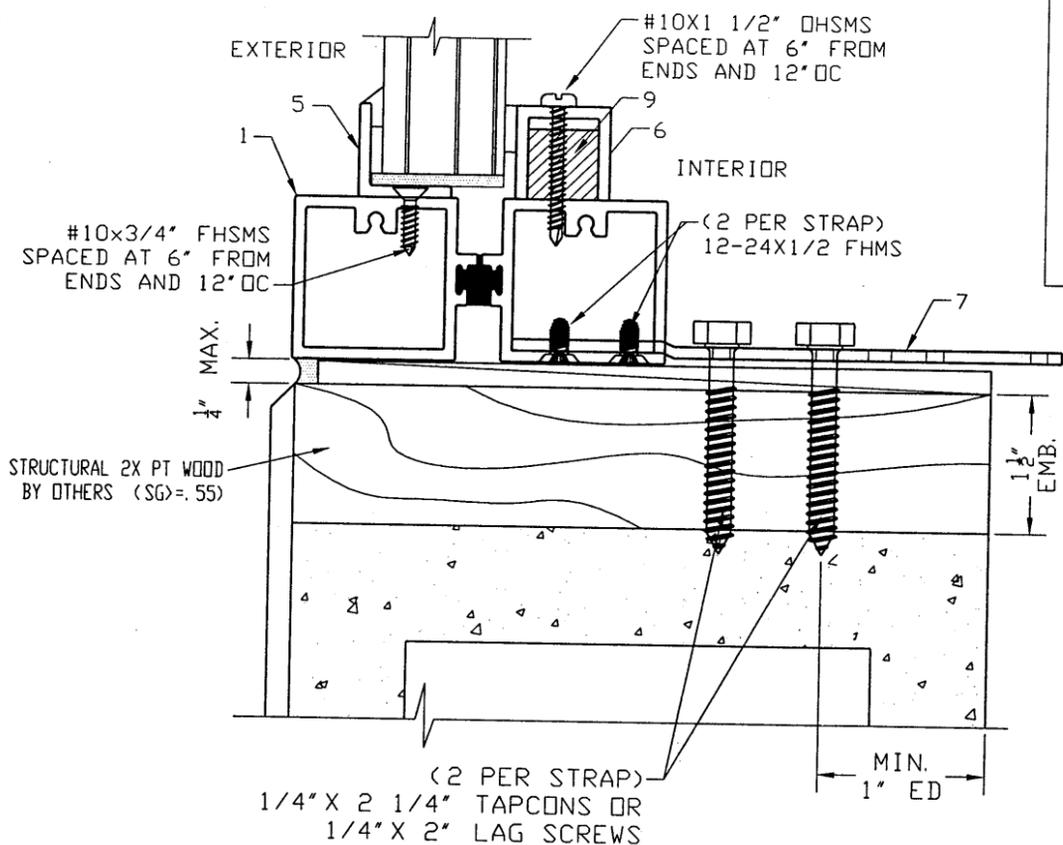
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SCALE: NA
DESIGN BY: PPMF

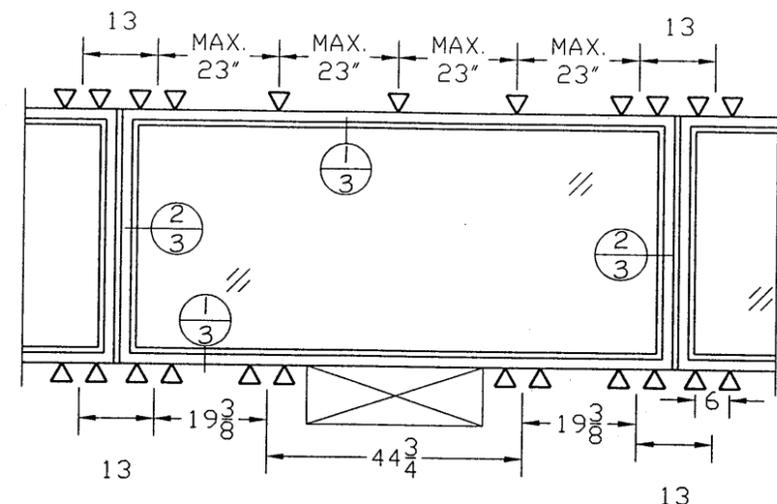
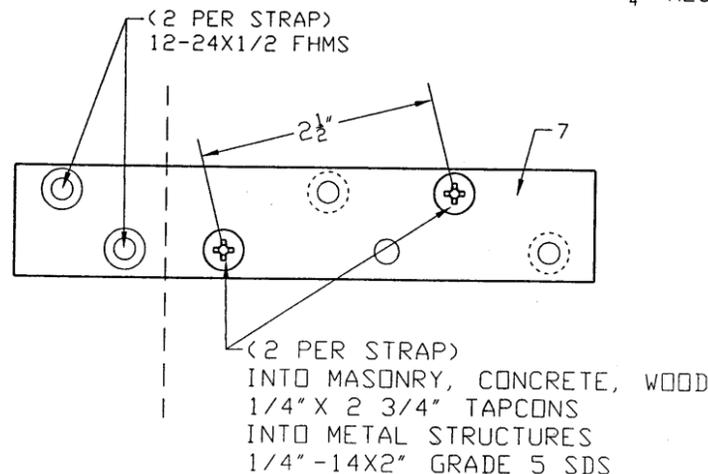
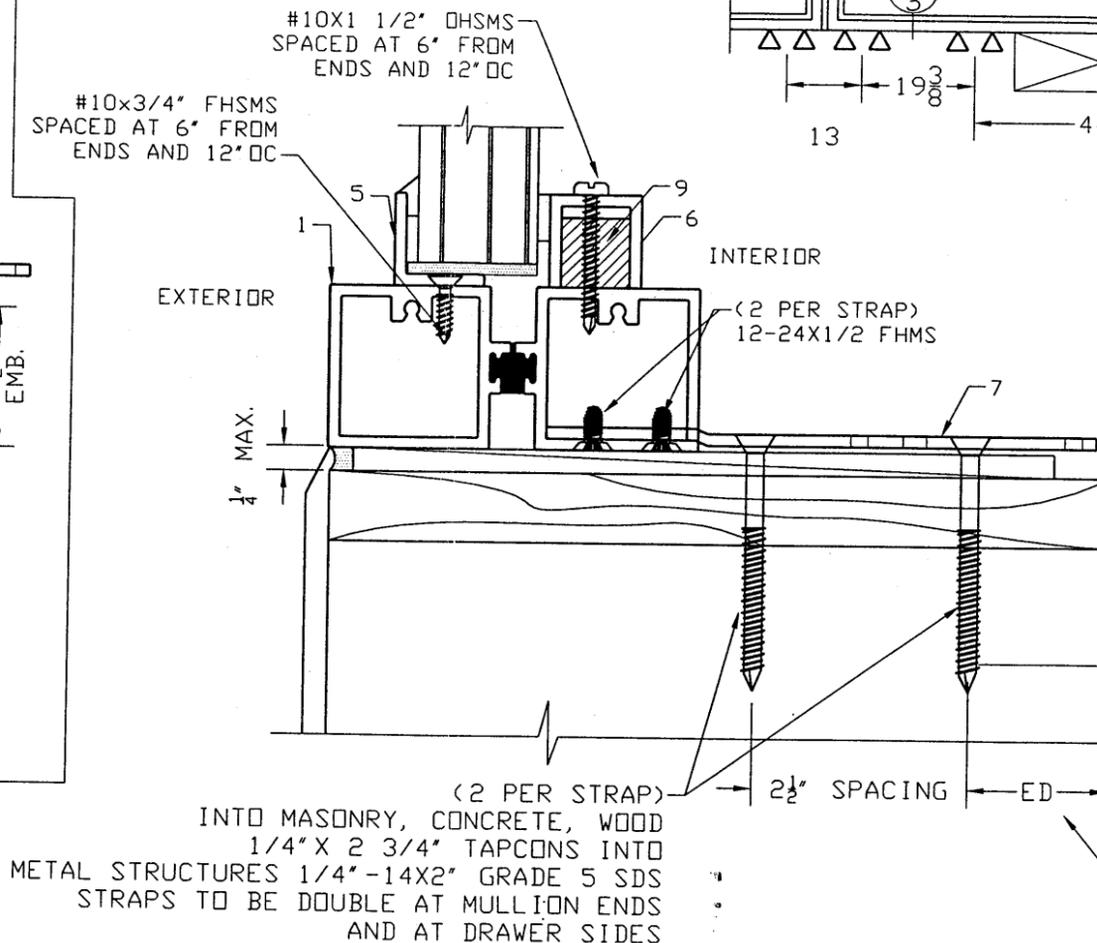
SHEET 4 OF 7
DRAWING #: 12-162

ANCHORAGE OPTIONS

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



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



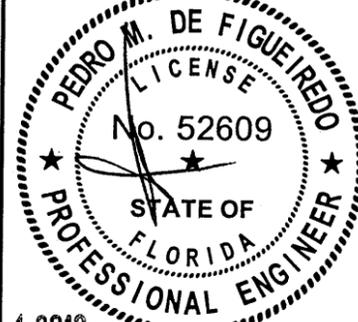
- EMBEDMENT
- 1 1/4" INTO MASONRY
 - 1 1/4" INTO CONCRETE
 - 1 1/2" INTO WOOD
 - 1/8" STEEL (A36) OR
 - 1/8" ALUMINUM (6063-T6)
- EDGE DISTANCE
- 1 1/2" INTO MASONRY
 - 1 1/2" INTO CONCRETE
 - 1" INTO WOOD
 - 3/4" STEEL (A36) OR
 - 3/4" ALUMINUM (6063-T6)

MANUFACTURER:
DEBOLD
INCORPORATED

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ENGCO INC. CA 8116
5595 ORANGE DR. 201
DAVIE, FL. 33314
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ENGCO@AOL.COM



SEP 04 2012
Engineer Seal
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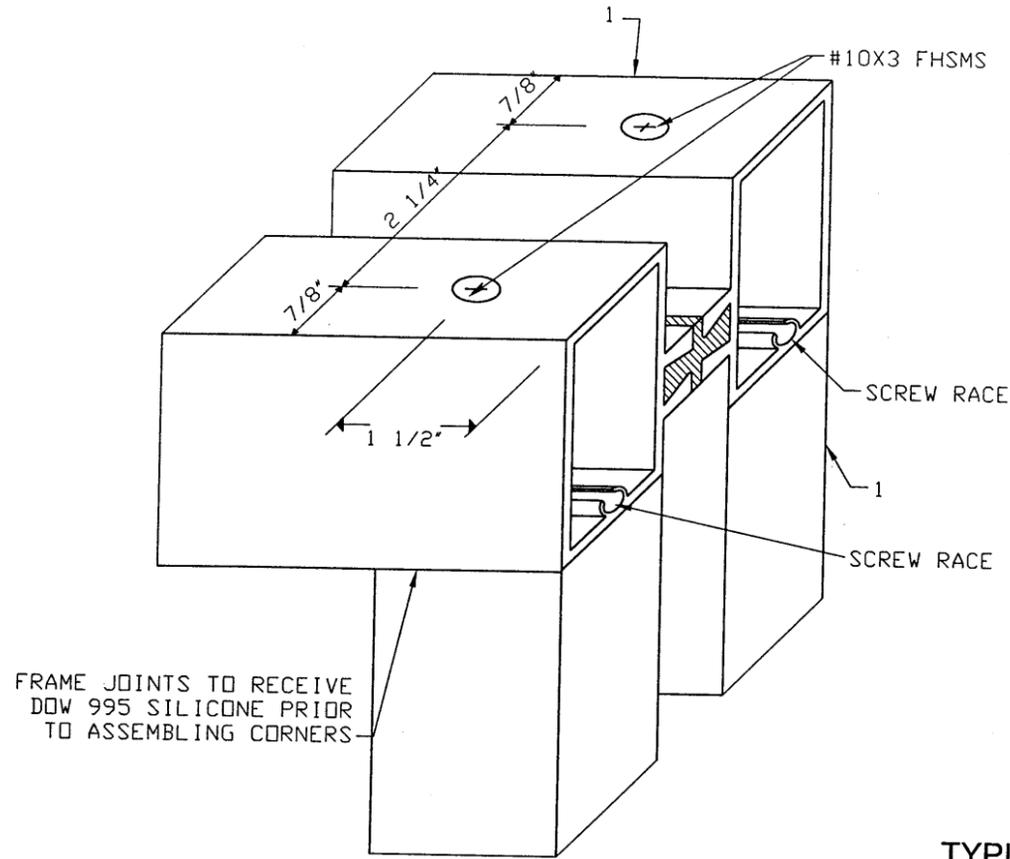
MIAMI-DADE BCCO:

PRODUCT REVISED
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Building Code
Acceptance No. **12-0914.14**
Expiration Date **07/11/2018**
By *[Signature]*
Miami Dade Product Control

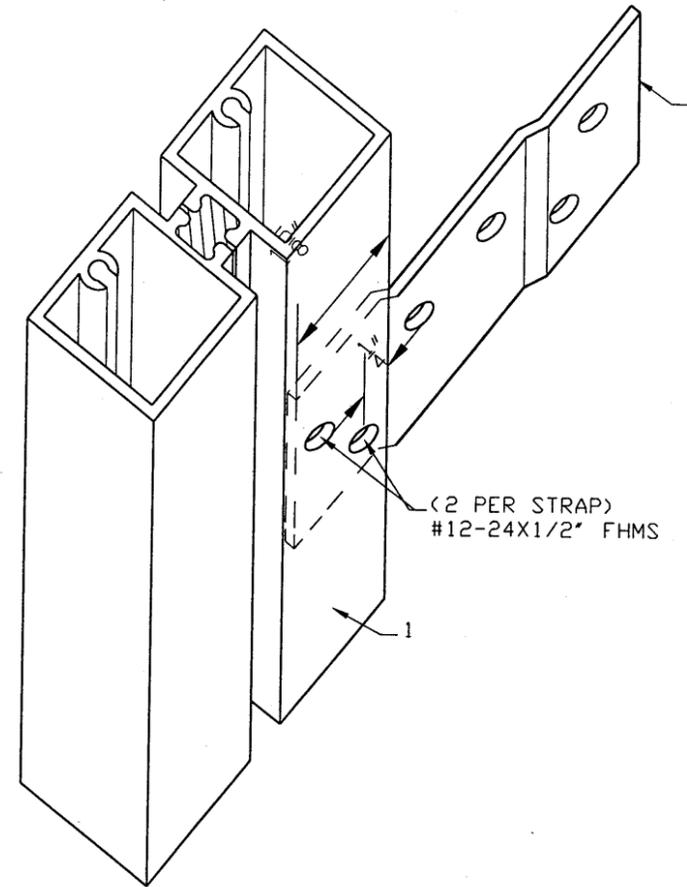
DATE: 08/08/2012
SCALE: 1:1/2
DESIGN BY: PPMF

SHEET 5 OF 7
DRAWING #: 12-162

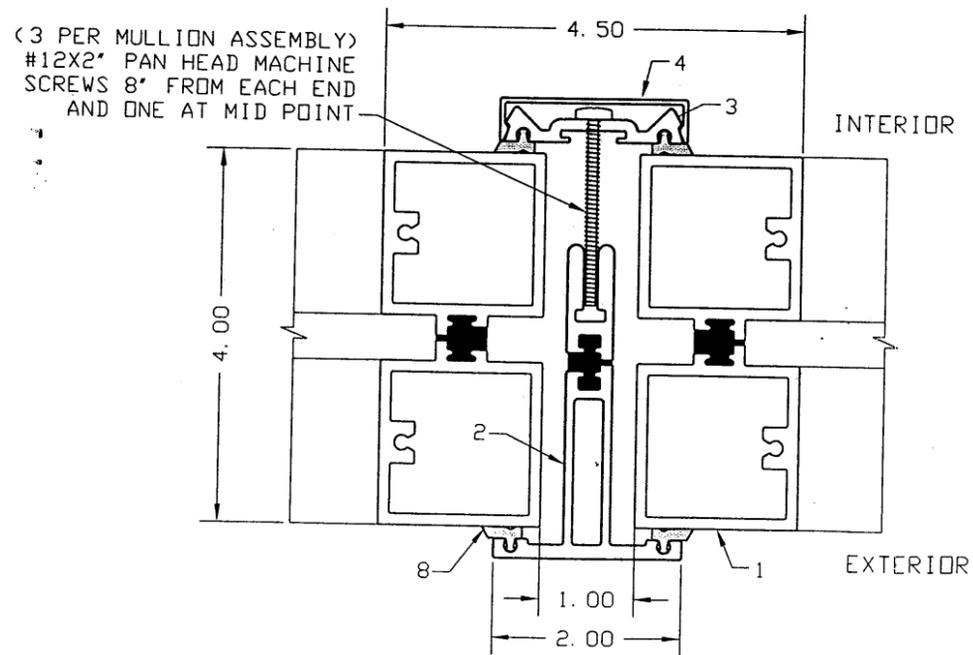
TYPICAL CORNER ASSEMBLY



STRAP ATTACHMENT



TYPICAL MULLION ASSEMBLY



MANUFACTURER:

DEBOLD
INCORPORATED

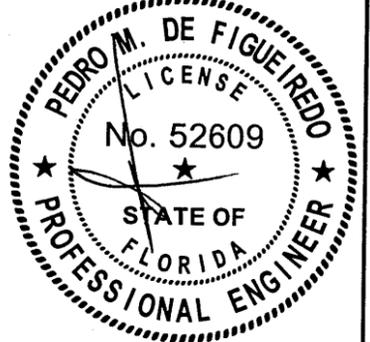
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ENGLCO INC. CA 8116
5595 ORANGE DR. 201
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Tel.: (954) 585-0304
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SEP 04 2012 Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

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as complying with the Florida
Building Code
Acceptance No. 12-0914.14
Expiration Date 07/11/2018
By *[Signature]*
Miami Dade Product Control

DATE: 08/08/2012
SCALE: NA
DESIGN BY: PPMF

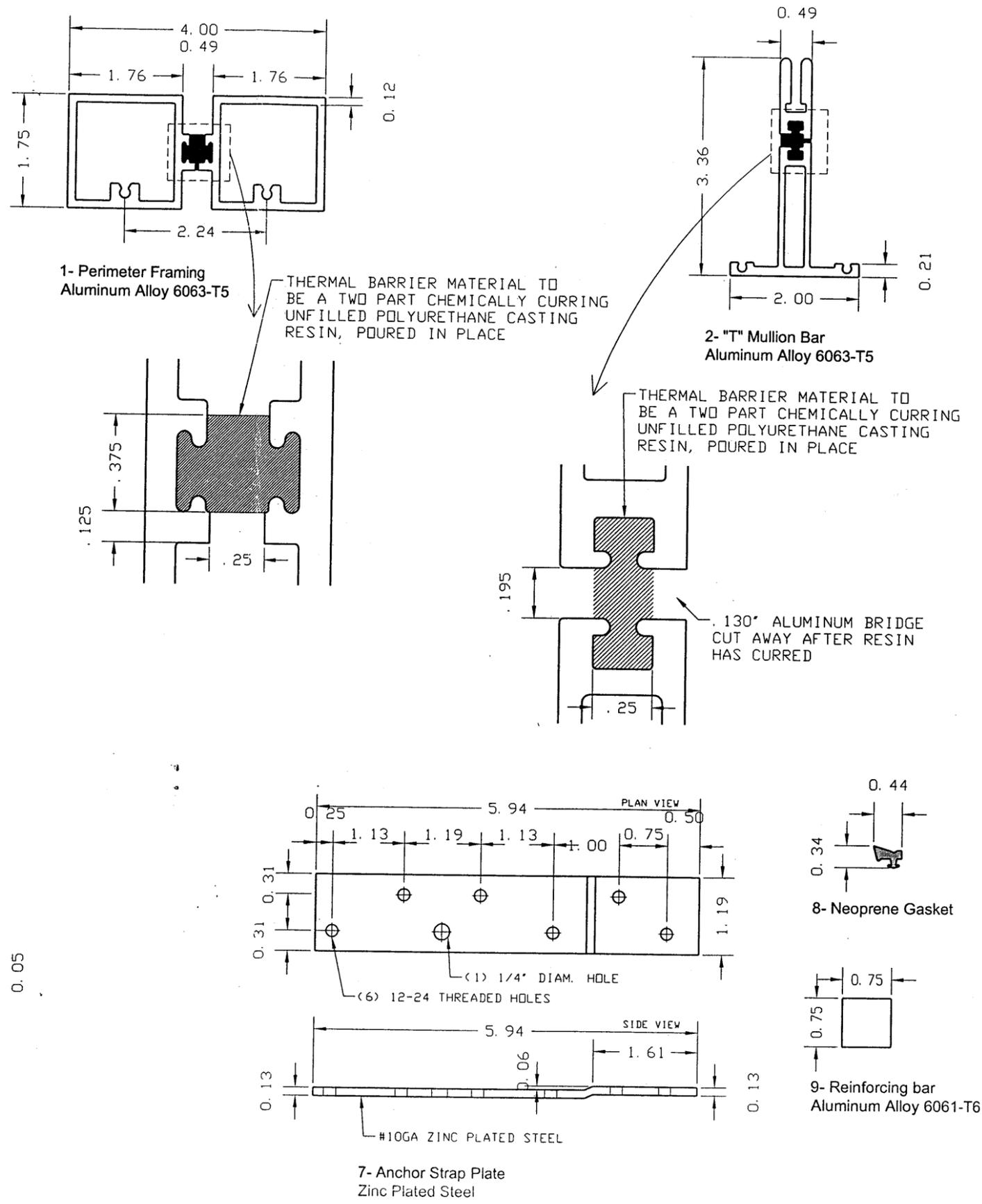
SHEET
6 OF 7

DRAWING #:
12-162

BILL OF MATERIALS

MARK	DESCRIPTION	PART
1	PERIMETER FRAMING	E5171
2	"T" MULLION BAR	E5175
3	PRESSURE PLATE	E1061
4	SNAP COVER	E0968
5	GLAZING STOP	E0191
6	GLAZING STOP	E0199
7	ANCHOR STRAP PLATE	BP-459
8	NEOPRENE GASKET	PTB28
9	REINFORCING BAR	
10	LEVEL 1 GLAZING	41-020540
11	FRAME CORNER SEALANT	DOW 995
12	1/8X1/2 FOAM TAPE	CRL74418
13	3/16X1/2 POLYSHIM II TAPE	TREMCO

WINDOW COMPONENTS



MANUFACTURER:

DEBOLD
INCORPORATED

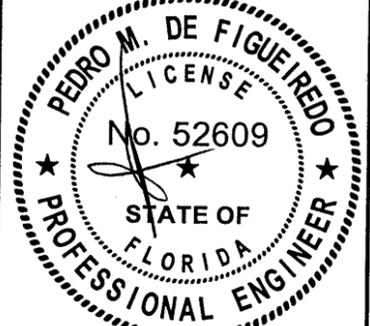
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SHEET
7 OF 7

DRAWING #:
12-162