



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](http://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. 12-161, Series titled "Bullet Resistant Drive Up Window Fixed Window Large & Small Missile Impact Resistant", sheets 1 through 7 of 7, dated 01/07/08 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. 08-0324.12 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. 12-0914.13  
Expiration Date: May 01, 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. 08-0324.12)*
2. Drawing No. **12-161**, Series titled "Bullet Resistant Drive Up Window Fixed Window Large & Small Missile Impact Resistant", sheets 1 through 7 of 7, dated 01/07/08 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-0084-1020-07**, dated 02/14/08, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 08-0324.12)*

**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. 12-0914.13  
Expiration Date: May 01, 2018  
Approval Date: November 15, 2012

**Diebold, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (CONTINUED)**

2. Laboratory compliance letter for Test Report No. **HTL-0084-1020-07**, issued by Hurricane Test Laboratory, LLC, dated 02/14/08, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 08-0324.12)*

**G. OTHERS**

1. Notice of Acceptance No. **08-0324.12**, issued to Diebold, Inc. for their Series "Bullet Resistant Drive-Up Window Aluminum Fixed Window", approved on 05/01/08 and expiring on 05/01/13.

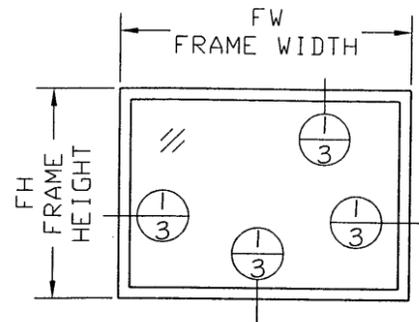


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**Jaime D. Gascon, P. E.**  
**Product Control Section Supervisor**  
**NOA No. 12-0914.13**  
**Expiration Date: May 01, 2018**  
**Approval Date: November 15, 2012**

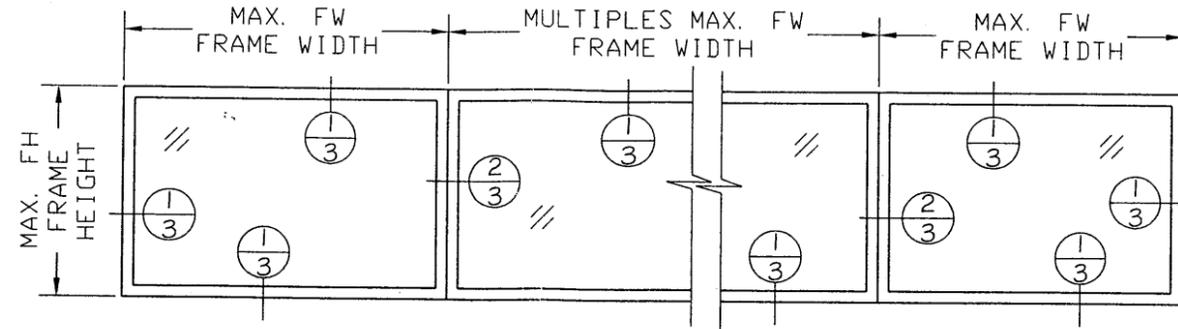


TABLE 1  
SINGLE MODULE SELECTION TABLE



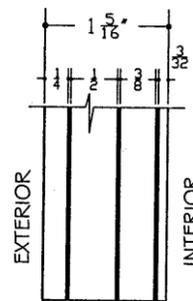
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	PRESSURE RATING (PSF)
35.875	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
49.875	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
60	30	80
	36	80
	38	80
	40	80
	42	80
	46	80
72	30	80
	36	80
	38	80
	40	80
	42	80
	46	79
84	30	80
	36	80
	38	80
	40	80
	42	79
	46	74
108	30	80
	36	80
	38	79
	40	76
	42	73
	43 1/8	72
120	30	80
	36	80
	38 3/4	76
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

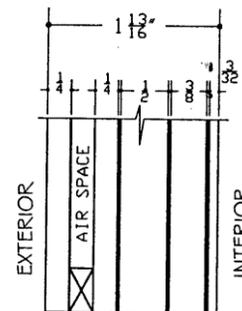
GLAZING OPTIONS AND DETAILS



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)

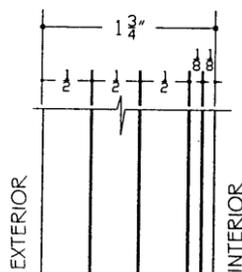
PVB- SOLUTIA SAFLEX INTERLAYER



11- NOMINAL 1-13/16" 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)

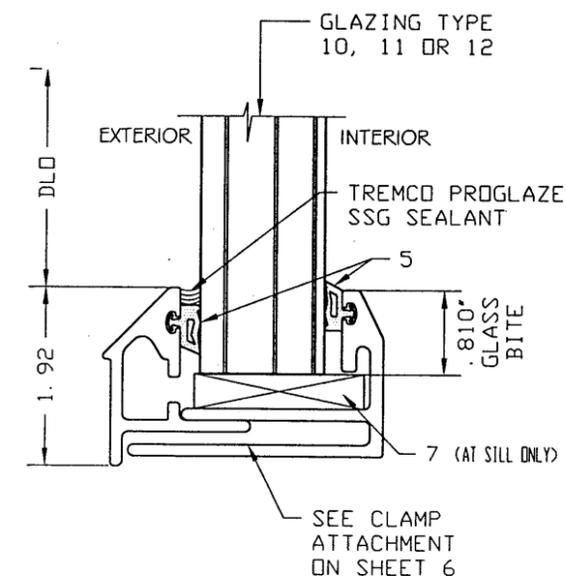
PVB- SOLUTIA SAFLEX INTERLAYER



12- NOMINAL 1-3/4" 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:

**DEBOLD**  
INCORPORATED

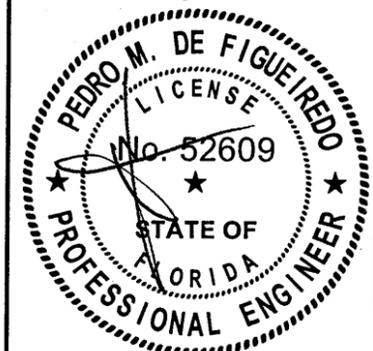
818 MULBERRY RD. SE  
CANTON, OH - 44707  
PHONE: (800) 456-1286  
FAX: (330) 489-4140

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. 12-0914-13  
Expiration Date 09/01/2018  
By *[Signature]*  
Miami Dade Product Control

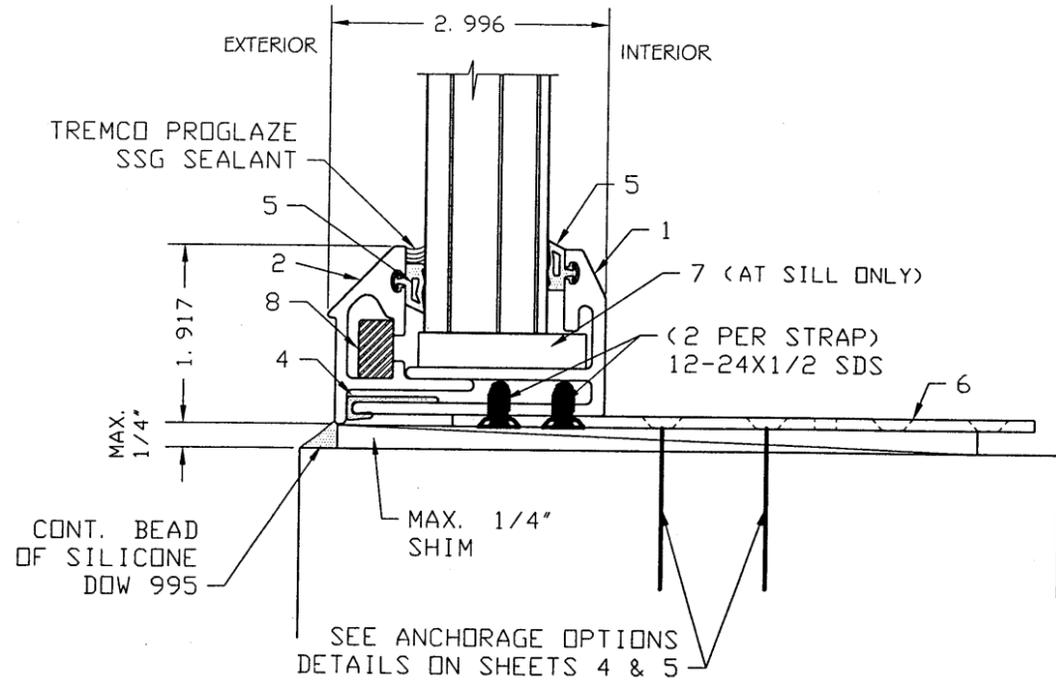
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DESIGN BY: PPMF

SHEET  
2 OF 7

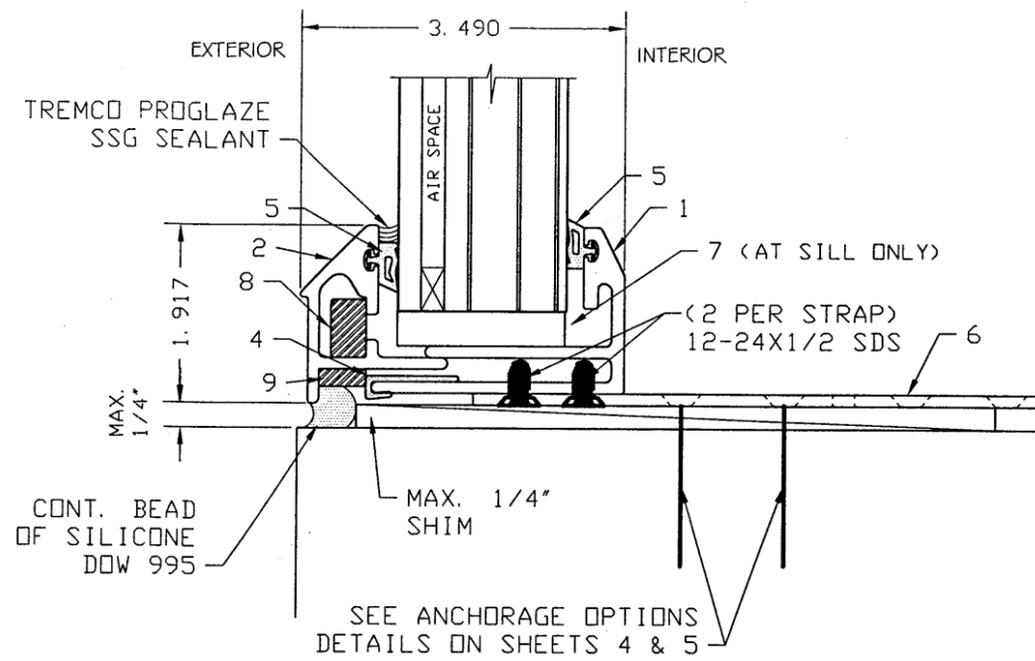
DRAWING #:  
12-161

TYPICAL SECTIONS

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



① PERIMETER FRAMING HEADER/ SILL/ JAMB WITH 1-13/16" LEVEL 1 OR 1-3/4" LEVEL 3

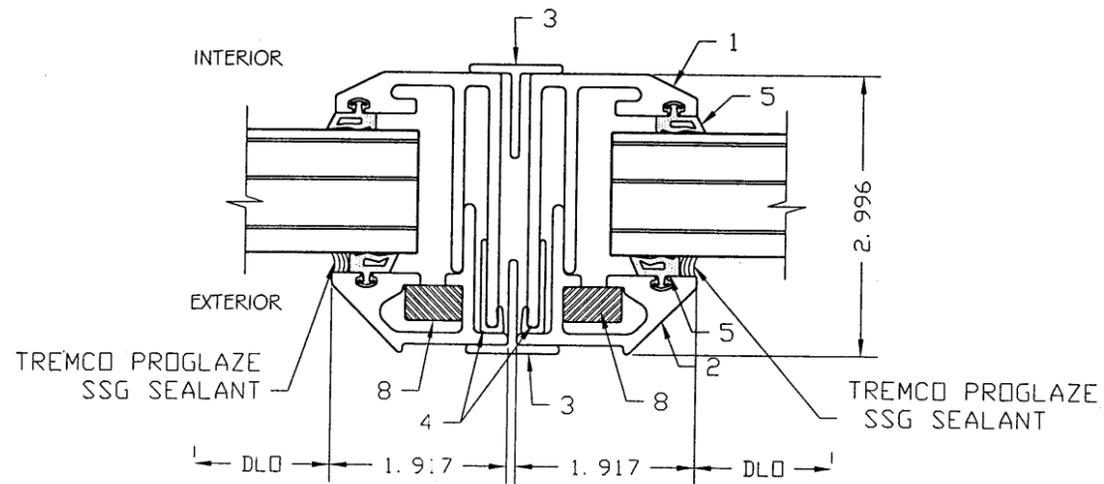


SEALANTS

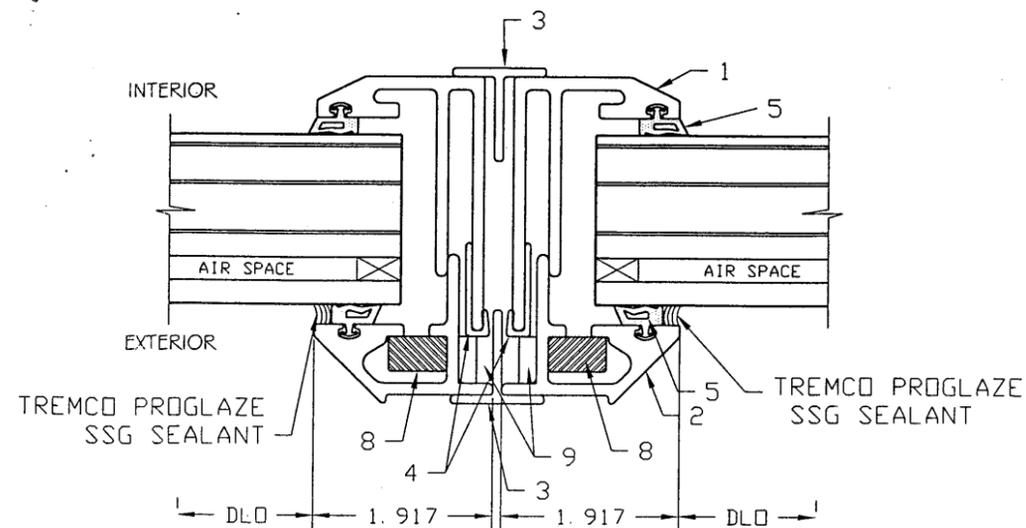
CORNERS	BEAD OF TREMCO PROGLAZE SSG
PERIMETER	DOW 995 STRUCTURAL GLAZING
GLAZING	TREMCO PROGLAZE SSG
MULLION	DOW 995 STRUCTURAL GLAZING

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

② "T" MULLION WITH 1-5/16" LEVEL 1



② "T" MULLION WITH 1-13/16" LEVEL 1 OR 1-3/4" LEVEL 3



MANUFACTURER:

**DEBOLD**  
INCORPORATED

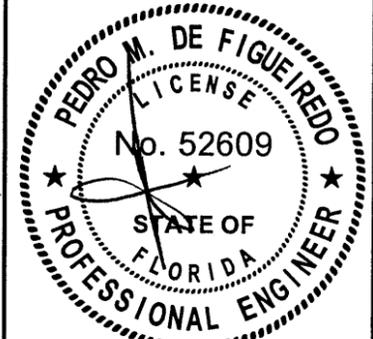
818 MULBERRY RD. SE  
CANTON, OH - 44707  
PHONE: (800) 456-1286  
FAX: (330) 489-4140

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 **12-09/4.13**  
Expiration Date **05/01/2018**  
By *[Signature]*  
Miami Dade Product Control

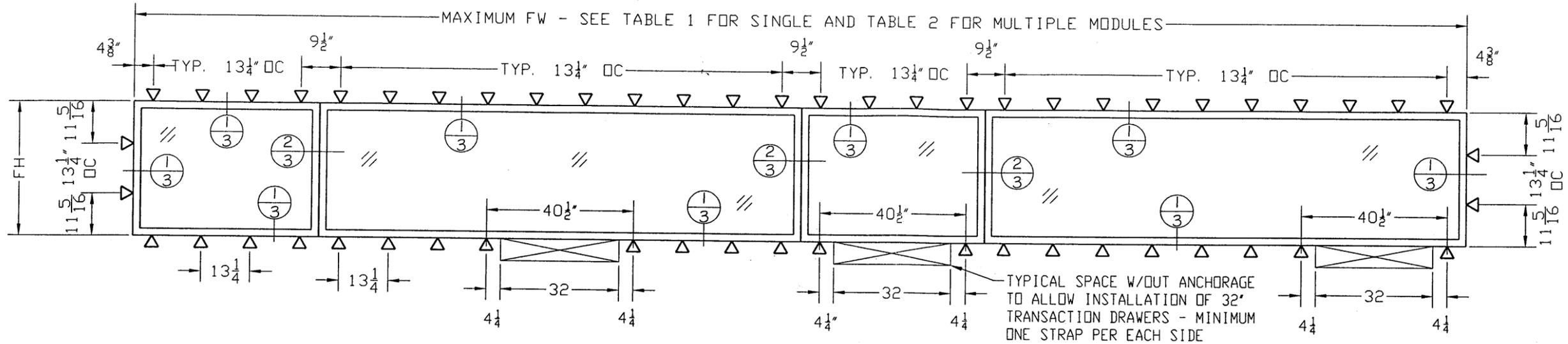
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DESIGN BY: PPMF

SHEET  
3 OF 7

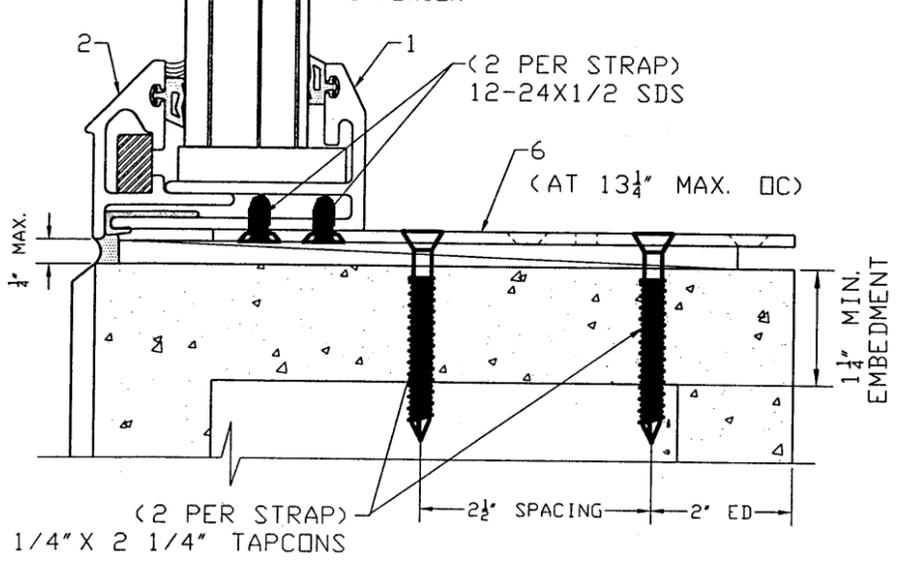
DRAWING #:  
12-161

ANCHORAGE OPTIONS

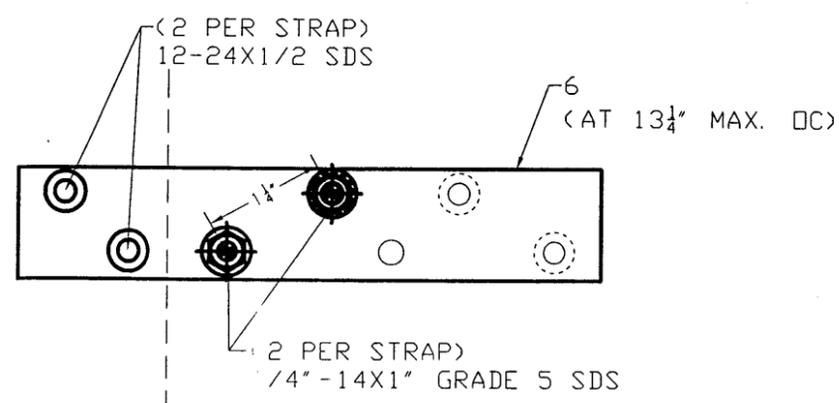
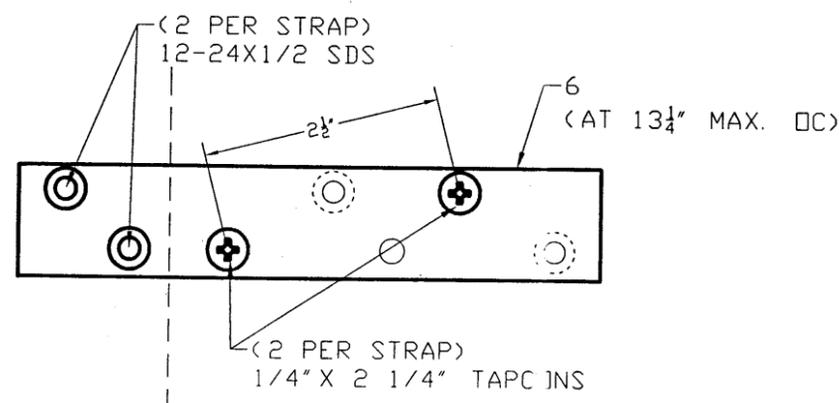
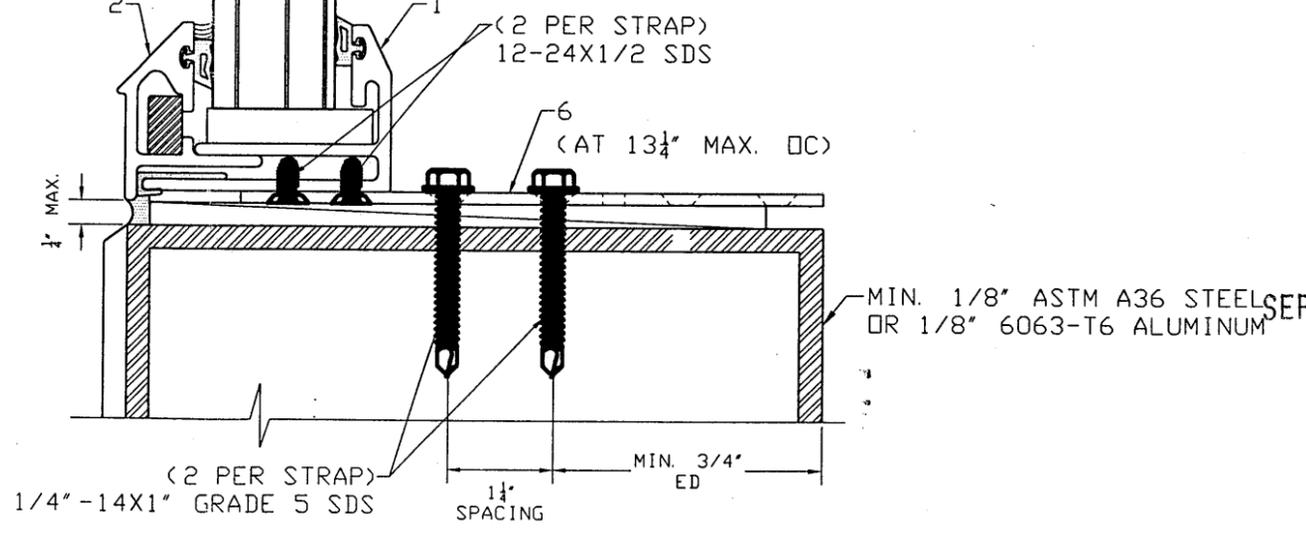
TYPICAL ELEVATION



ANCHORAGE INTO MASONRY OR CONCRETE STRUCTURES



ANCHORAGE INTO METAL STRUCTURES



MANUFACTURER:



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Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

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Expiration Date **05/01/2018**  
By *[Signature]*  
Miami Dade Product Control

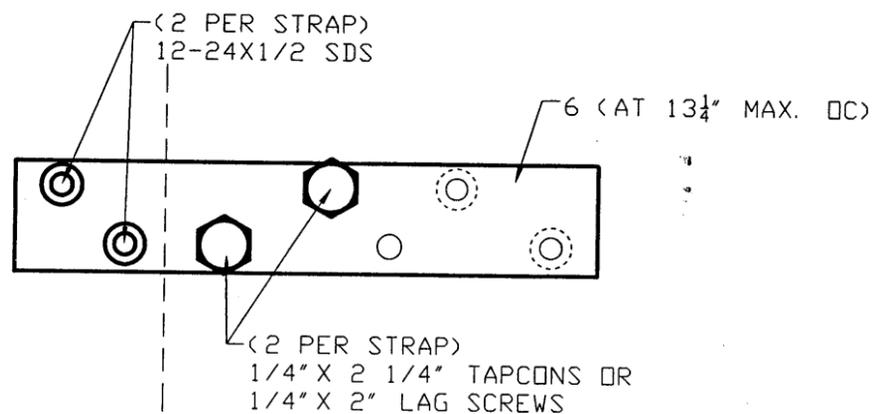
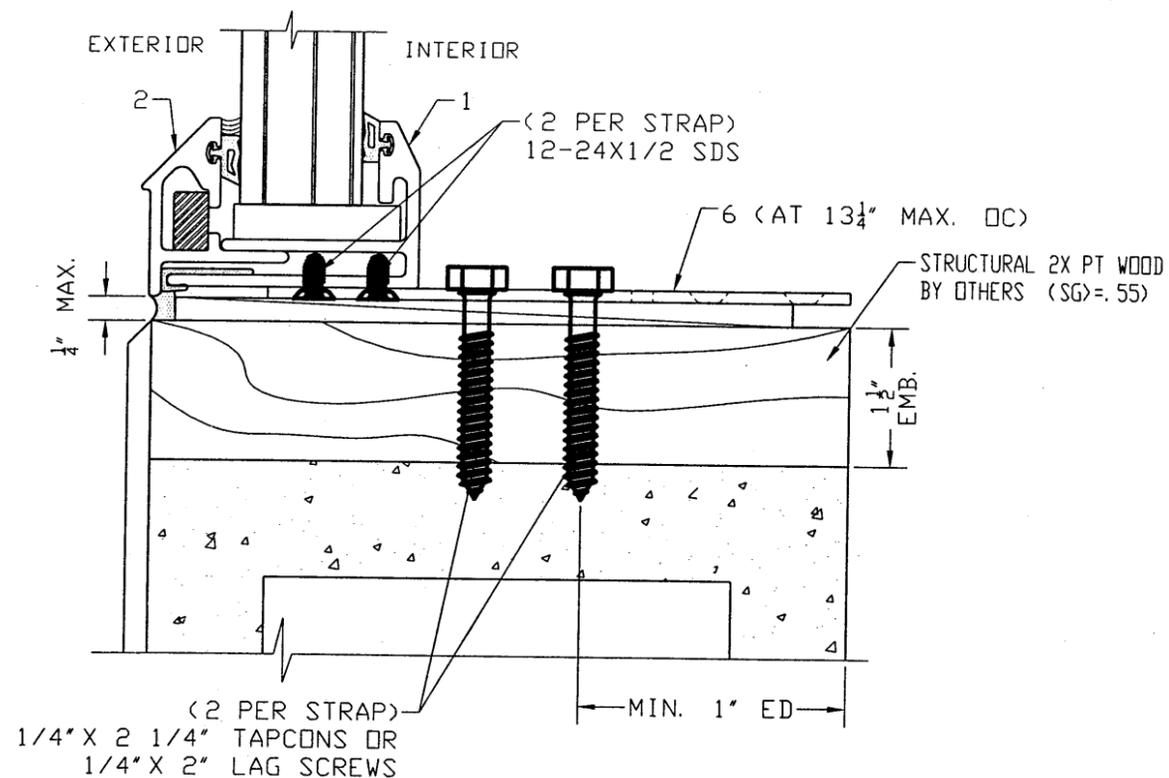
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SHEET  
4 OF 7

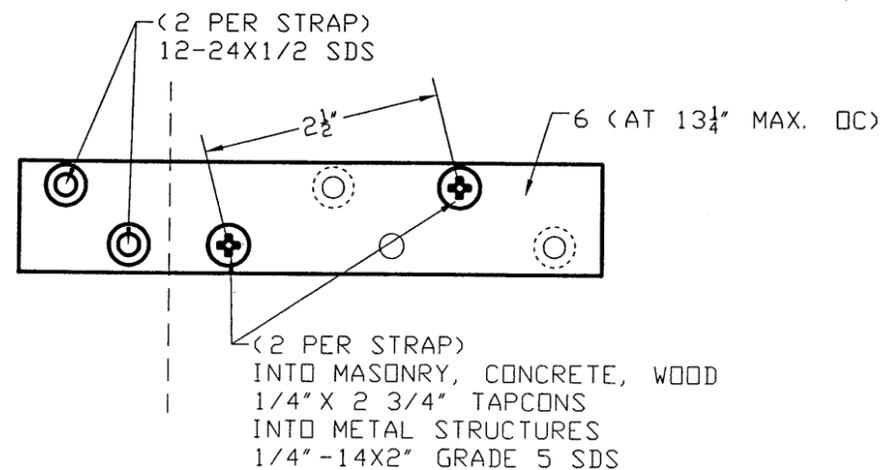
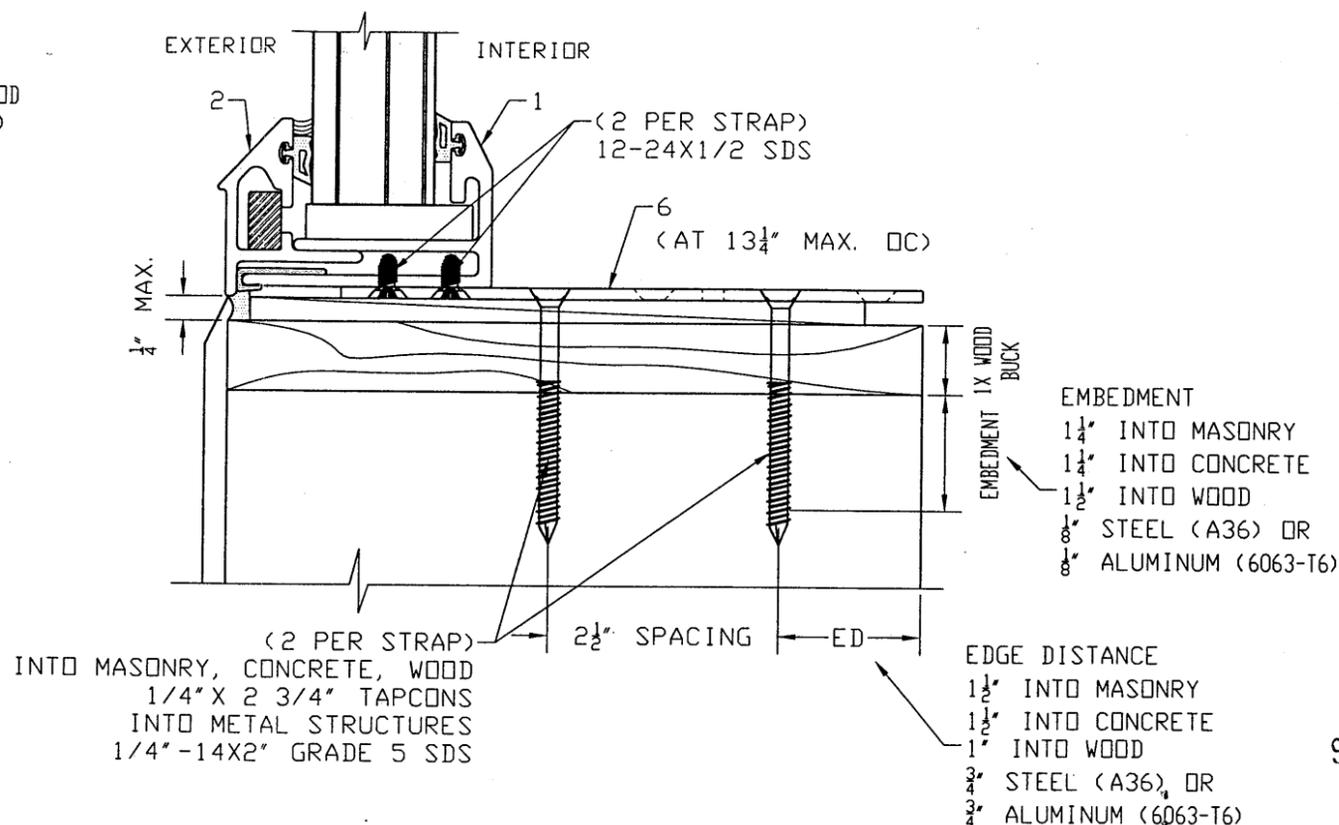
DRAWING #:  
12-161

ANCHORAGE OPTIONS

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



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



MANUFACTURER:

**DEBOLD**  
INCORPORATED

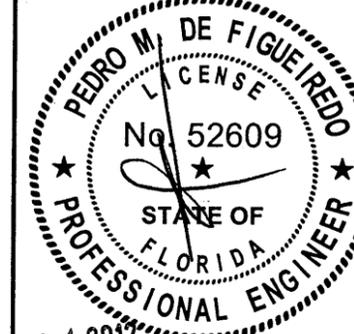
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SEP 04 2012  
Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

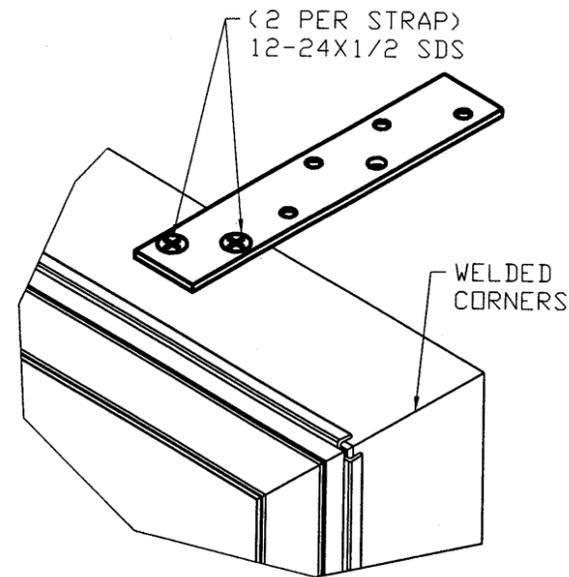
PRODUCT REVISED  
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Acceptance No. **12-0914.13**  
Expiration Date **08/01/2018**  
By *[Signature]*  
Miami Dade Product Control

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

SHEET  
5 OF 7

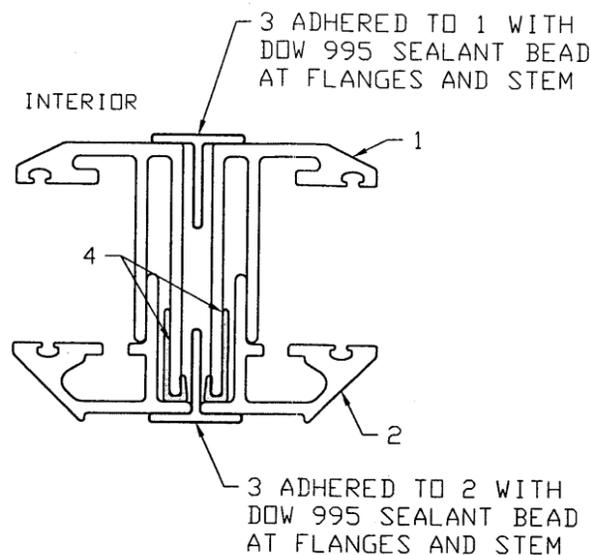
DRAWING #:  
12-161

WINDOW ASSEMBLY

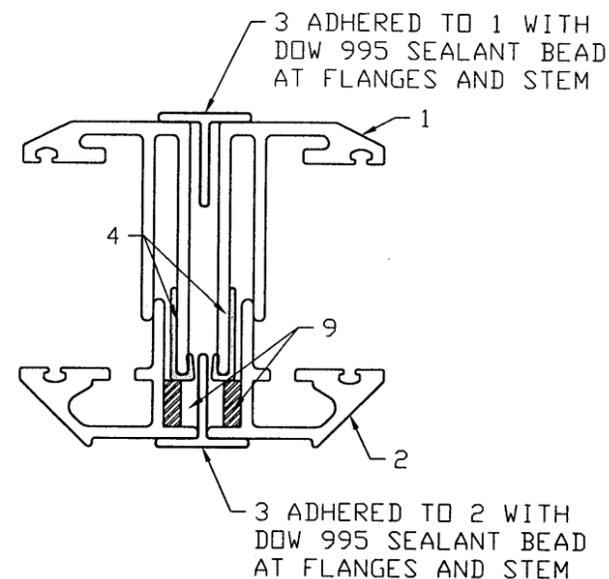


STRAP ATTACHMENT

MULLION ASSEMBLY

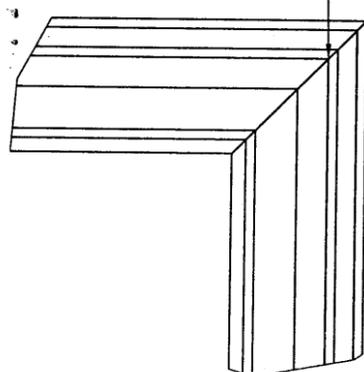


MULLION ASSEMBLY WITH 1-13/16" LEVEL 1 OR 1-3/4" LEVEL 3

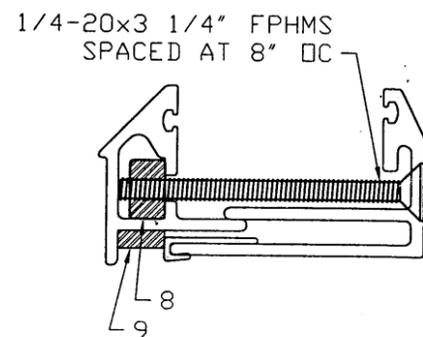


MULLION ASSEMBLY WITH 1-5/16" LEVEL 1

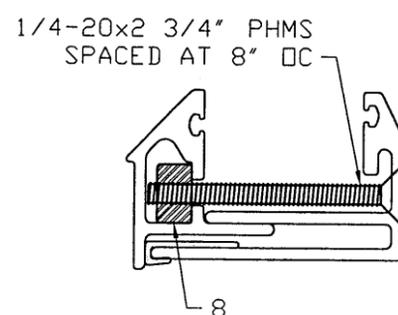
TYPICAL FRAME CORNER CONSTRUCTION:  
EACH CORNER, BOTH INNER AND OUTER FRAME MEMBERS ENDS WERE MITER CUT, BUTTED, AND WELDED TO THE ADJACENT MEMBER  
6 TOTAL WELDS PER CORNER AS PER BELOW:  
AT MEMBER #2 (OUTER FRAME): (3) 0.12" SQUARE GROOVE WELDS  
AT MEMBER #1 (INNER FRAME): (3) 0.12" SQUARE GROOVE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



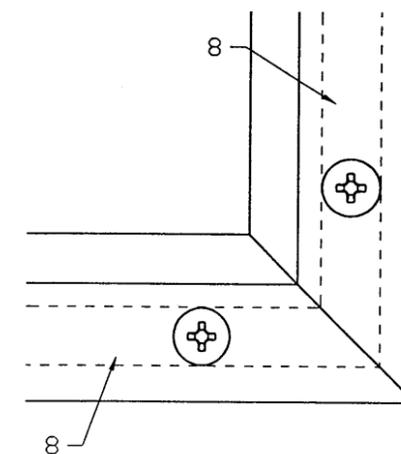
CLAMP ATTACHMENT



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



TYPICAL CLAMP FRAMING HEADER/ SILL/ JAMB WITH 1 5/16" LEVEL 1



MANUFACTURER:

**DEBOLD**  
INCORPORATED

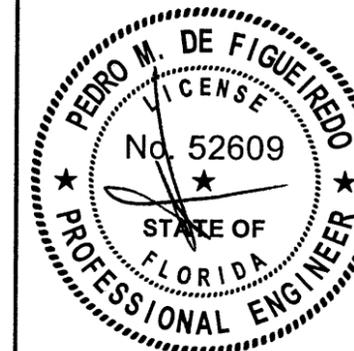
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PRODUCT:

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LARGE & SMALL MISSILE  
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SEP 04 2012 Engineer Seal  
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Expiration Date 05/01/2018  
By *[Signature]*  
Miami Dade Product Control

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

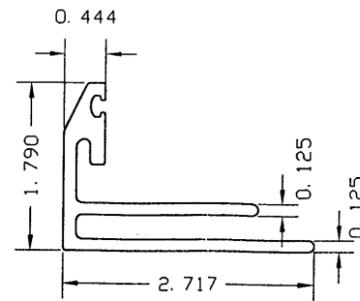
SHEET  
6 OF 7

DRAWING #:  
12-161

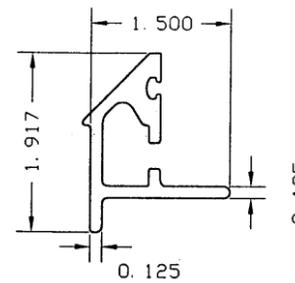
BILL OF MATERIALS

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

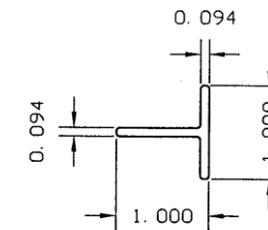
WINDOW COMPONENTS



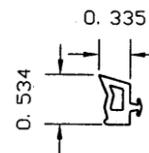
1- INNER FRAME  
6061-T6



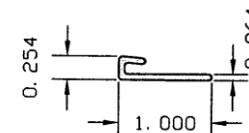
2- OUTER FRAME  
6061-T6



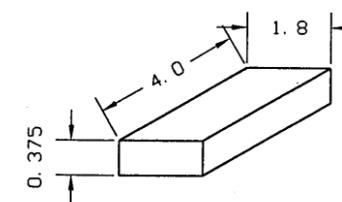
3- TEE  
6061-T6



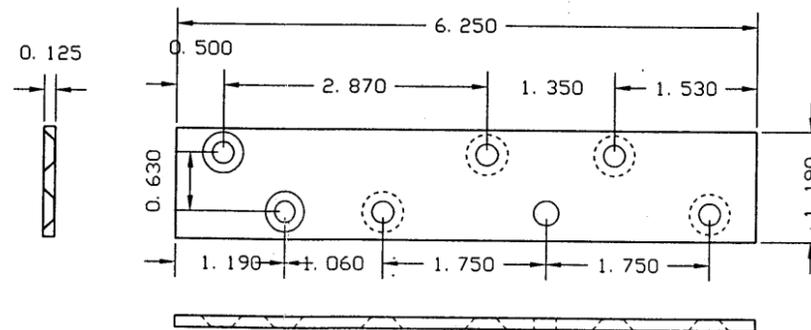
5- GLAZING GASKET  
EPDM 60 SHORE A



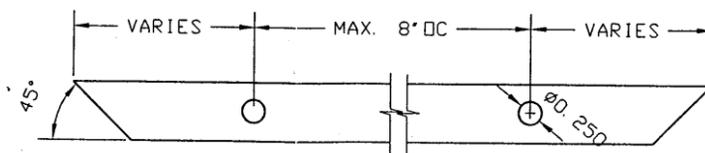
4- THERMAL ISOLATOR  
EPDM 70 SHORE A



7- SETTING BLOCK  
EPDM 80-90 SHORE A



6- STEEL ANCHOR STRAP  
11GA GALVANIZED STEEL



8- CLAMP BAR  
STEEL



9- SPACER  
ALUMINUM OR STEEL

MANUFACTURER:

**DEBOLD**  
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. 12-0914.13  
Expiration Date 02/01/2018  
By [Signature]  
Miami Dade Product Control

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

SHEET  
7 OF 7

DRAWING #:  
12-161