



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

www.buldingcodeonline.com

Andersen Corporation
100 Fourth Avenue North
Bayport, MN 55003-1096

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: Narrow Steel Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. **M07-03**, titled "Narrow Steel Mullion System", sheets 1 through 11 of 11, dated 07/02/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact 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 **revises and renews** NOA # **02-0423.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 07-0503.02
Expiration Date: May 2, 2008
Approval Date: August 2, 2007
Page 1

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **M07-03**, Sheets 1 through 11 of 11, titled "Narrow Steel Mullion System", dated 07/02/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS (Tests performed under previous NOA No. 99-0811.04)

1. Test report on 1) Uniform Static Air Pressure Test, Loading per PA 202-94 along with installation diagram of windows prepared by Architectural Testing Inc., Test Report No. **ATI-16720-N-1**, dated 11/30/95, signed and sealed by Allen N. Reeves, P.E. (*Test performed under previous NOA No. 99-0811.04*)
2. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of two Flexiframe windows mulled together using a narrow steel mullion, prepared by Architectural Testing Inc., Test Report No. **ATI-02-31431.01**, dated 05/25/99, signed and sealed by Allen N. Reeves, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 07/02/07, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

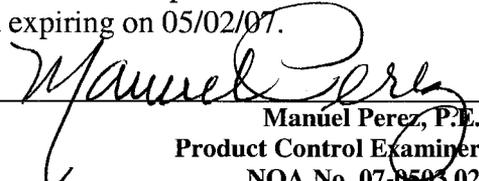
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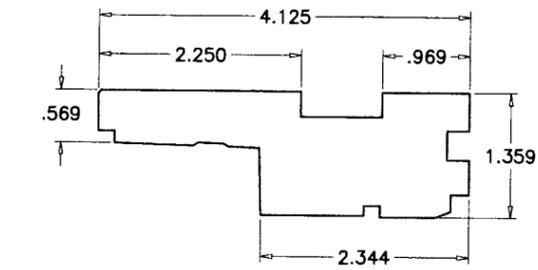
F. STATEMENTS

1. Statement letter of conformance, dated July 2, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter from manufacturer stating that the product has not changed and requesting a One-Year Renewal to allow the time to perform a verification test, dated 04/24/07, signed by Cindy Berger, Standards Engineer, Andersen Corporation.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Architectural Testing, Inc., dated 04/19/07, signed by Daniel A. Johnson, Director, Regional Operations.

G. OTHER

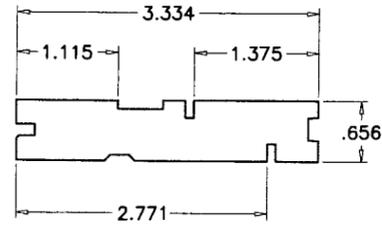
1. Notice of Acceptance No. **02-0423.01**, issued to Andersen Corporation for their Narrow Steel Mullion, approved on 05/23/02 and expiring on 05/02/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0503.02
Expiration Date: May 2, 2008
Approval Date: August 2, 2007

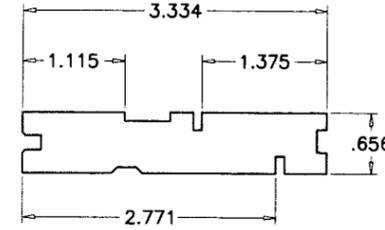


CASEMENT
FRAME HEAD/SILL
30835
WOOD

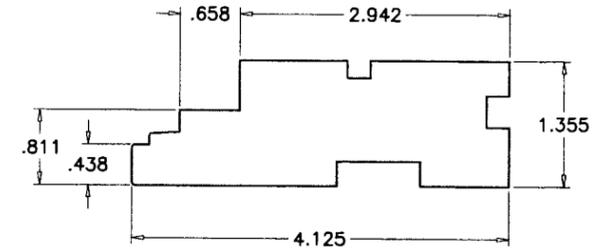
AWNING
FRAME JAMB
30836
WOOD



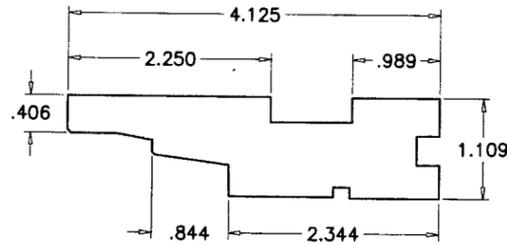
TILT-WASH DOUBLE HUNG
FRAME HEAD
WOOD



WOODWRIGHT DOUBLE HUNG
FRAME HEAD/JAMB
WOOD

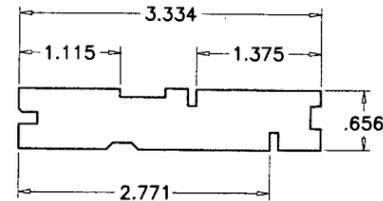


SPECIALITY DIRECT SET (CTC & CTQC)
FRAME SILL
27230
WOOD



CASEMENT
FRAME JAMB
30838
WOOD

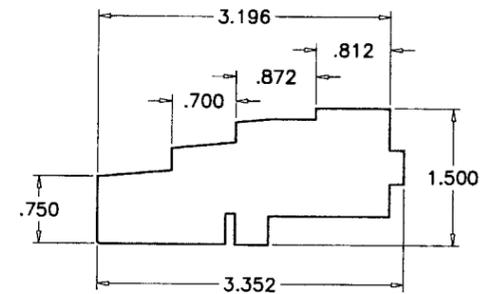
AWNING
FRAME HEAD/SILL
30838
WOOD



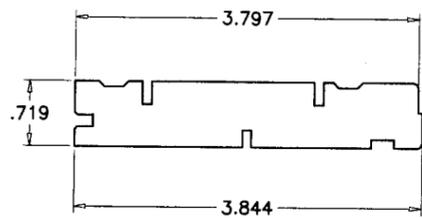
TILT-WASH DOUBLE HUNG
FRAME JAMB
WOOD

TILT-WASH FIXED
FRAME HEAD/SILL/JAMB
WOOD

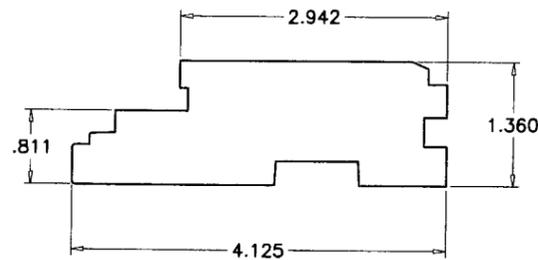
WOODWRIGHT FIXED
FRAME HEAD/SILL/JAMB
WOOD



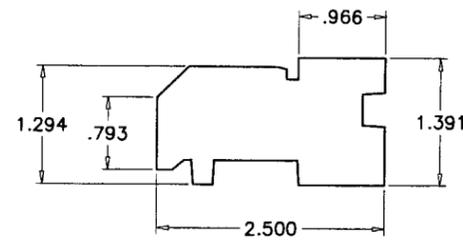
SPECIALITY DIRECT SET (CTN)
FRAME SILL
27122
WOOD



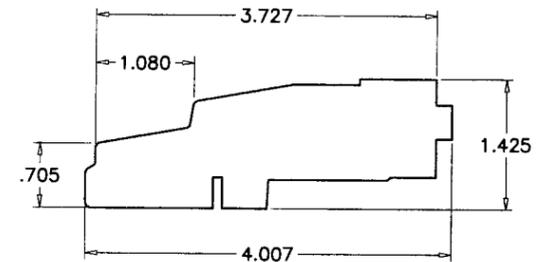
PSNL
FRAME HEAD/SILL/JAMB
WOOD



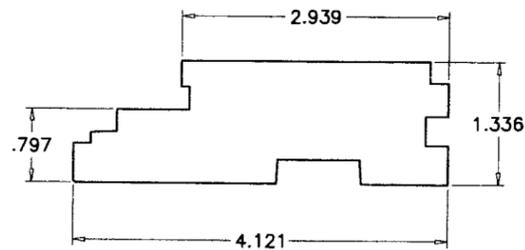
CASEMENT PICTURE
FRAME HEAD/SILL/JAMB
WOOD



FLEXIFRAME FIXED
FRAME HEAD/SILL/JAMB
WOOD



SPECIALITY DIRECT SET (ET)
FRAME SILL
53103
WOOD



CASEMENT PICTURE (P)
FRAME HEAD/SILL/JAMB
30394
WOOD

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 07-0503.02
Expiration Date: MAY 2, 2008
By: *Manuel Perez*
Miami Dade Product Control
Division

JUL 17 2007

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

NARROW STEEL MULLION SYSTEM
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)



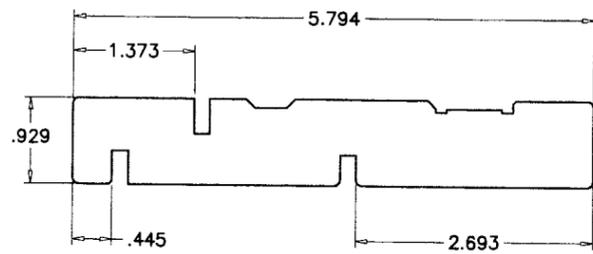
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chk. by:

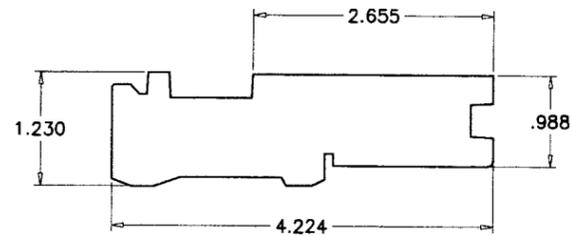
drawing no.
M07-03

sheet 2 of 11

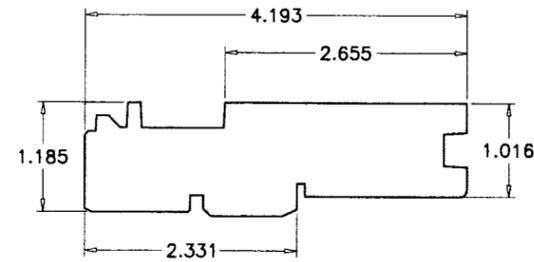
MULLION/M07-03AC



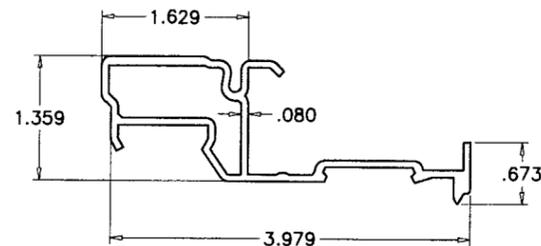
FWG
GLIDING DOOR FRAME HEAD
-
WOOD



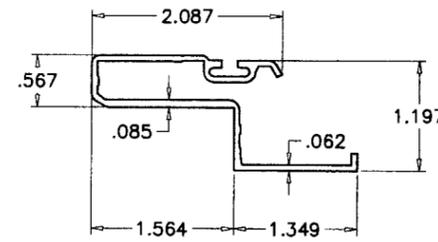
FWH
HINGED DOOR HEAD/JAMB (OPERATING/STATIONARY)
52253
WOOD



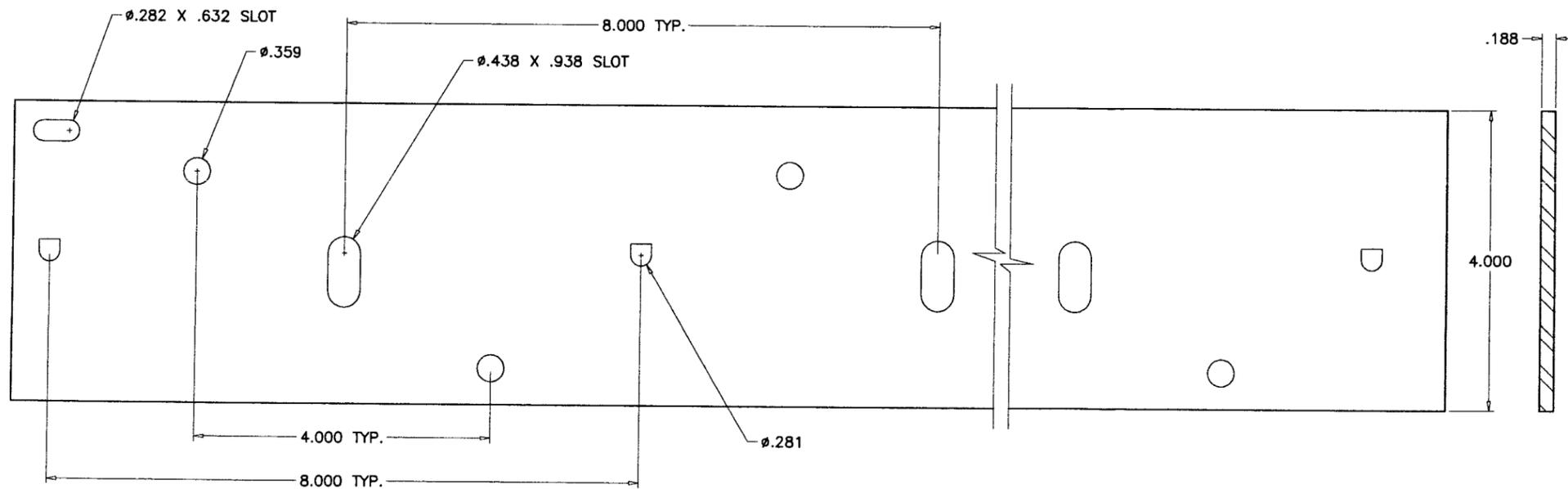
FWO
OUTSWING DOOR HEAD/JAMB (OPERATING/STATIONARY)
57019
WOOD



FWH
HINGED HEAD/JAMB COVER (OPERATING/STATIONARY)
52225
FIBERGLASS



FWO
OUTSWING HEAD/JAMB COVER (OPERATING/STATIONARY)
57031
FIBERGLASS



NARROW MULLION
-
ZINC PLATED STEEL

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUL 17 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0503.02
Expiration Date MAY 2, 2008
By: *Muhammad Durrani*
Miami Dade Product Control
Division

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M07-03AC

NARROW STEEL MULLION SYSTEM
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)
AW
ANDERSEN

revisions:	no	date	by	description

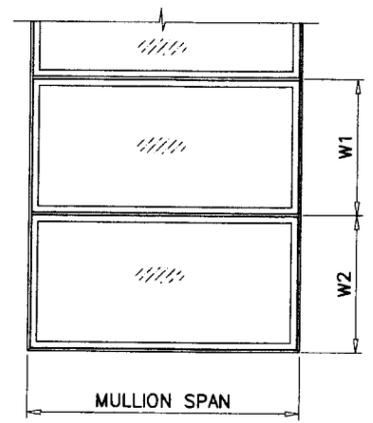
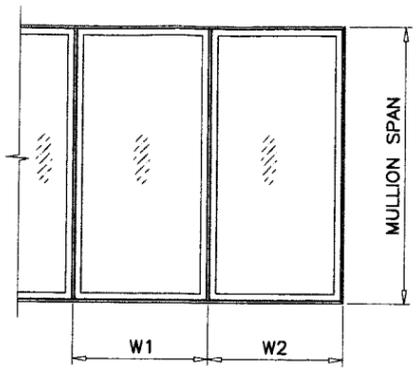
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dr. by: HAMID
chk. by:

drawing no.
M07-03
sheet 3 of 11

DESIGN LOAD CAPACITY - PSF W/O INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULLION SPAN		
12"	60"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		99.5	
36"		94.5	
39"		90.4	
42"		87.2	
45"		84.7	
48"		82.7	
12"		66"	100.0
15"			100.0
18"			100.0
21"	100.0		
24"	100.0		
27"	100.0		
30"	93.4		
33"	87.4		
36"	82.7		
39"	78.8		
42"	75.6		
45"	73.0		
48"	70.9		
12"	72"		100.0
15"			100.0
18"			100.0
21"		100.0	
24"		99.2	
27"		90.4	
30"		83.5	
33"		78.0	
36"		73.5	
39"		69.8	
42"		66.7	
45"		64.1	
48"		62.0	
12"		78"	100.0
15"			100.0
18"			100.0
21"	100.0		
24"	90.2		
27"	82.0		
30"	75.6		
33"	70.4		
36"	66.1		
39"	62.6		
42"	59.7		

DESIGN LOAD CAPACITY - PSF W/O INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULLION SPAN		
12"	84"	100.0	
15"		100.0	
18"		100.0	
21"		92.5	
24"		82.7	
27"		75.0	
30"		68.0	
33"		62.4	
36"		57.8	
39"		53.9	
12"		90"	100.0
15"			100.0
18"			96.0
21"			82.6
24"			72.7
27"			65.0
30"	58.9		
33"	54.0		
36"	49.9		
12"	96"		100.0
15"			100.0
18"			84.2
21"			72.5
24"			63.7
27"			56.9
30"			51.6
33"		47.2	
36"		43.6	
12"		102"	100.0
15"			89.1
18"			74.5
21"			64.1
24"			56.3
27"			50.3
30"			45.5
33"	41.6		
12"	108"		99.1
15"			79.4
18"			66.4
21"			57.1
24"			50.1
27"			44.8
30"			40.5
12"			114"
15"		71.3	
18"		59.5	
21"		51.2	
24"		44.9	
27"		40.1	
30"		36.2	

DESIGN LOAD CAPACITY - PSF W/O INTERMEDIATE HORIZONTALS				
WINDOW DIMS.		EXT. (+) INT. (-)		
WIDTH (W)	MULLION SPAN			
12"	120"	80.2		
15"		64.3		
18"		53.7		
21"		46.1		
24"		40.5		
27"		36.1		
12"		126"	72.7	
15"			58.3	
18"			48.7	
21"			41.8	
24"			36.7	
27"			32.7	
12"			132"	66.2
15"				53.1
18"				44.3
21"				38.1
24"	33.4			
12"	138"			60.6
15"				48.5
18"				40.5
21"				34.8
24"				30.5
12"		144"		55.3
15"				44.3
18"				37.0
21"				31.7
24"				27.8



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUL 17 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0503.02
Expiration Date MAY 2, 2008

By: *Manuel Perez*
Miami Dade Product Control
Division

af c
AL-FAROOQ CORPORATION
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MULLION M07-03AC

NARROW STEEL MULLION SYSTEM
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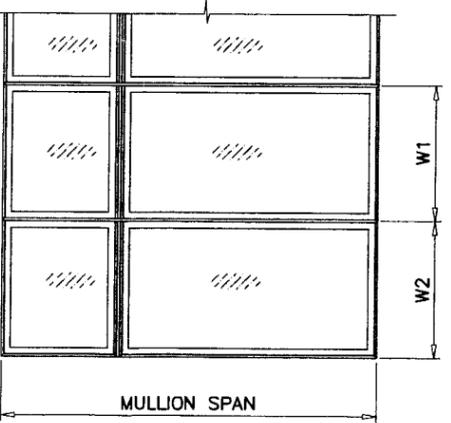
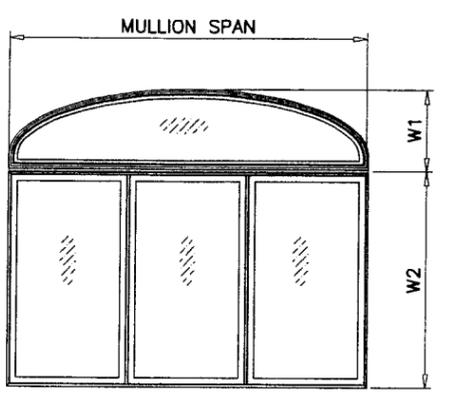
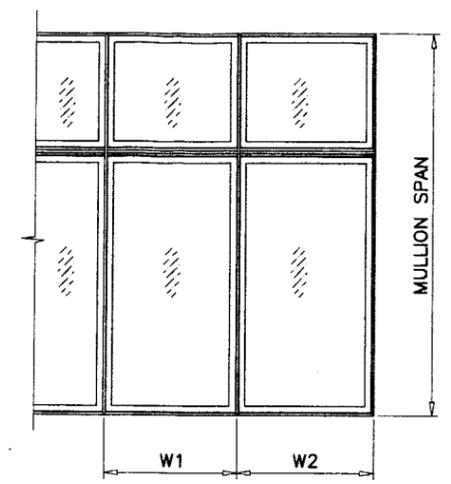
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date: 07-02-07
scale: -
dr. by: HAMID
chk. by:
drawing no.
M07-03
sheet 4 of 11

DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULLION SPAN		
12"	60"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		99.5	
36"		94.5	
39"		88.6	
42"		82.3	
45"		76.8	
48"		72.0	
12"		66"	100.0
15"			100.0
18"			100.0
21"	100.0		
24"	100.0		
27"	100.0		
30"	93.4		
33"	86.6		
36"	79.3		
39"	73.2		
42"	68.0		
45"	63.5		
48"	59.5		
12"	72"		100.0
15"			100.0
18"			100.0
21"		100.0	
24"		99.2	
27"		88.9	
30"		80.0	
33"		72.7	
36"		66.7	
39"		61.5	
42"		57.1	
45"		53.3	
48"		50.0	
12"		78"	100.0
15"			100.0
18"			100.0
21"	97.4		
24"	85.2		
27"	75.7		
30"	68.2		
33"	62.0		
36"	56.8		
39"	52.4		
42"	48.7		

DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULLION SPAN		
12"	84"	100.0	
15"		100.0	
18"		98.0	
21"		84.0	
24"		73.5	
27"		65.3	
30"		58.8	
33"		53.4	
36"		49.0	
39"		45.2	
12"		90"	100.0
15"			100.0
18"			85.3
21"			73.1
24"			64.0
27"			56.9
30"	51.2		
33"	46.5		
36"	42.7		
12"	96"		100.0
15"			90.0
18"			75.0
21"			64.3
24"			56.3
27"			50.0
30"			45.0
33"		40.9	
36"		37.5	
12"		102"	99.7
15"			79.7
18"			66.4
21"			56.9
24"			49.8
27"			44.3
30"			39.9
33"	36.2		
12"	108"		88.9
15"			71.1
18"			59.3
21"			50.8
24"			44.4
27"			39.5
30"			35.6
12"			114"
15"		63.8	
18"		53.2	
21"		45.6	
24"		39.9	
27"		35.5	
30"		31.9	

DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS				
WINDOW DIMS.		EXT. (+) INT. (-)		
WIDTH (W)	MULLION SPAN			
12"	120"	72.0		
15"		57.6		
18"		48.0		
21"		41.1		
24"		36.0		
27"		32.0		
12"		126"	65.3	
15"			52.2	
18"			43.5	
21"			37.3	
24"			32.7	
27"			29.0	
12"			132"	59.5
15"				47.6
18"				39.7
21"				34.0
24"	29.8			
12"	138"			54.4
15"				43.6
18"				36.3
21"				31.1
24"				27.2
12"		144"		49.7
15"				39.8
18"				33.2
21"				28.4
24"				24.9



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUL 17 2007

PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No. 07-0503.07
Expiration Date 12/31/2008

By: *Mamadrez*
Miami/Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

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BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)

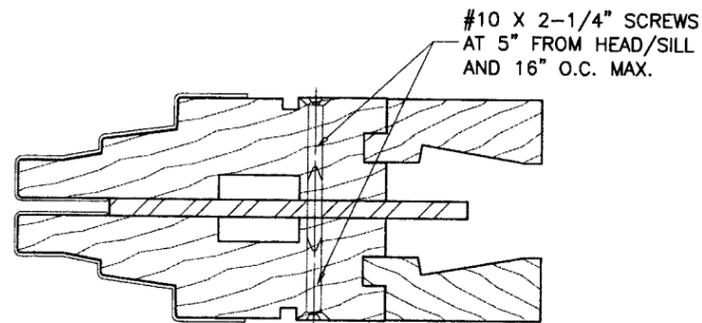
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scale: -
dr. by: HAMID
chk. by:

drawing no.
M07-03
sheet 5 of 11

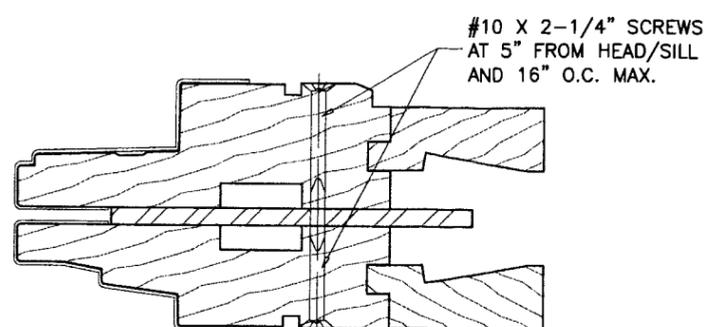
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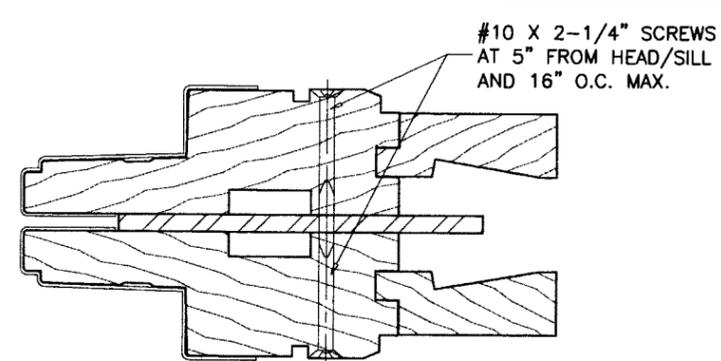


CASEMENT TO CASEMENT
VERTICAL JOIN

AWNING TO AWNING
HORIZONTAL JOIN

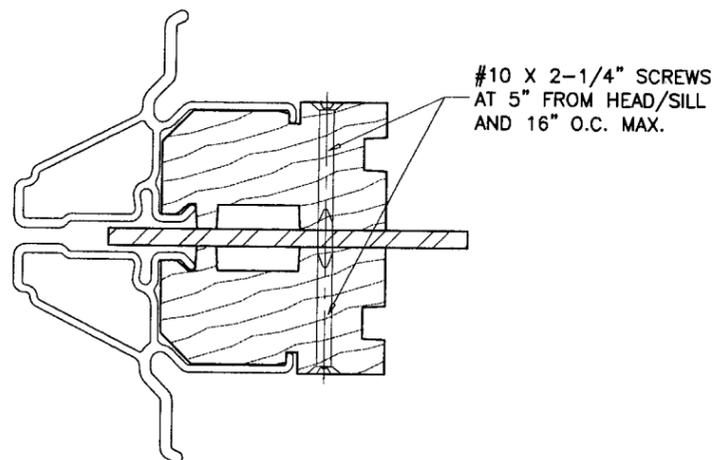


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VERTICAL OR HORIZONTAL JOIN

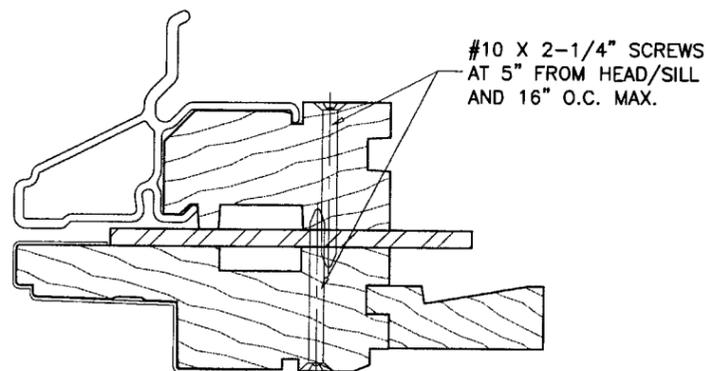


CASEMENT TO CASEMENT
HORIZONTAL JOIN

AWNING TO AWNING
VERTICAL JOIN

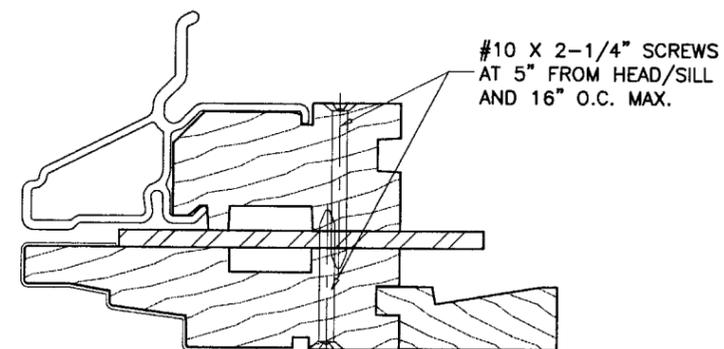


FLEXIFRAME TO FLEXIFRAME
VERTICAL OR HORIZONTAL JOIN



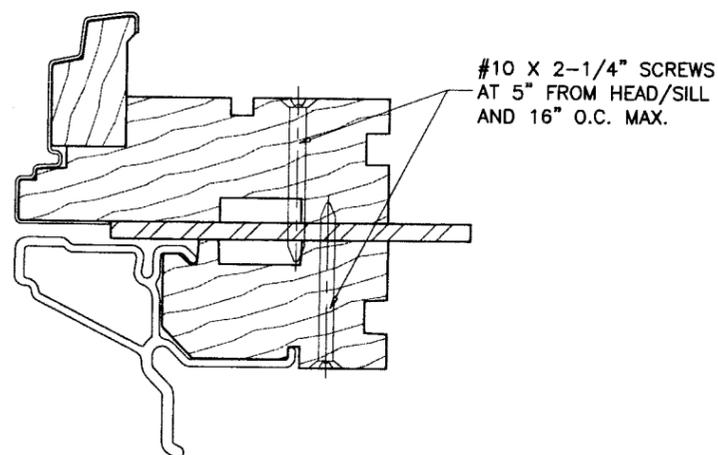
CASEMENT TO FLEXIFRAME
HORIZONTAL JOIN

AWNING TO FLEXIFRAME
VERTICAL JOIN



CASEMENT TO FLEXIFRAME
VERTICAL JOIN

AWNING TO FLEXIFRAME
HORIZONTAL JOIN



FLEXIFRAME TO CIRCLE TOP/QUARTER
VERTICAL OR HORIZONTAL JOIN

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUL 17 2007

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 07-0503.02
Expiration Date MAY 2, 2008

By: *Manuel Perez*
Miami Made Product Control
Division

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

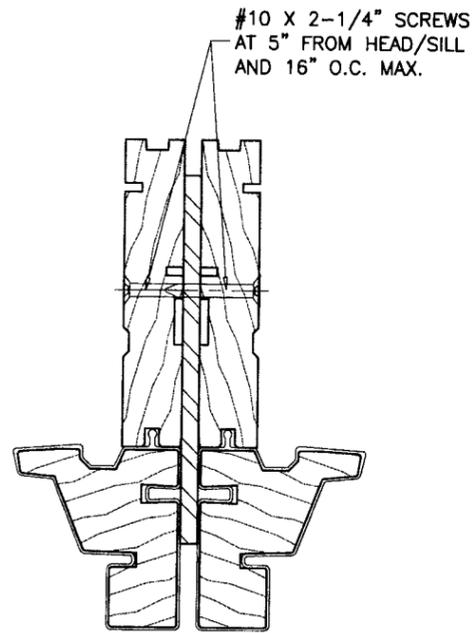
NARROW STEEL MULLION SYSTEM

ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)

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chk. by:

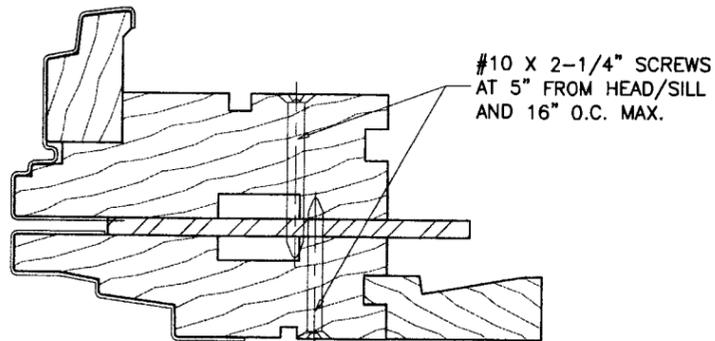
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M07-03
sheet 6 of 11



#10 X 2-1/4" SCREWS
AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

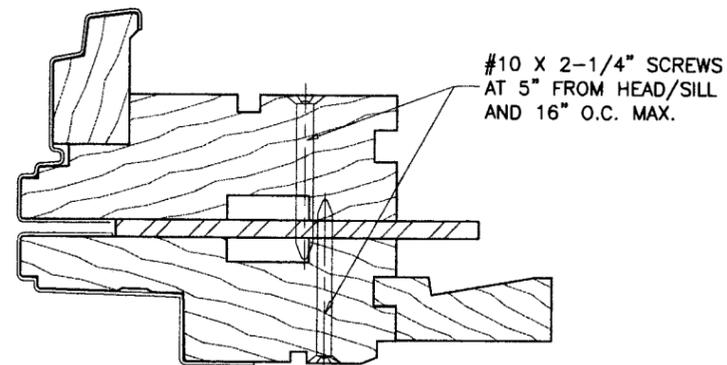
400 TWDH WDW TO 400 TWDH WDW
VERTICAL JOIN

400 TWDH WDW TO 400 TWDH PICTURE WDW
VERTICAL JOIN



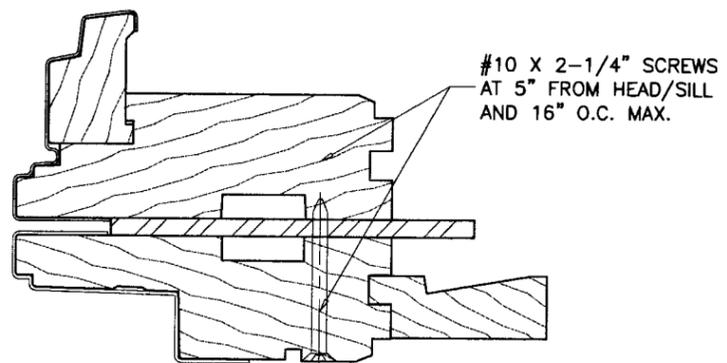
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AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

CIRCLE TOP TO AWNING
HORIZONTAL JOIN



#10 X 2-1/4" SCREWS
AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

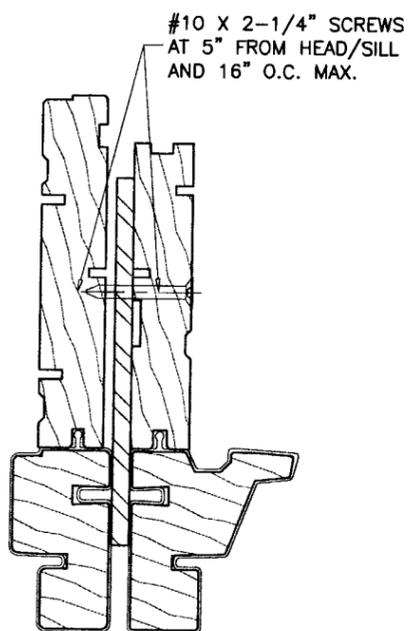
CIRCLE TOP TO CASEMENT
HORIZONTAL JOIN



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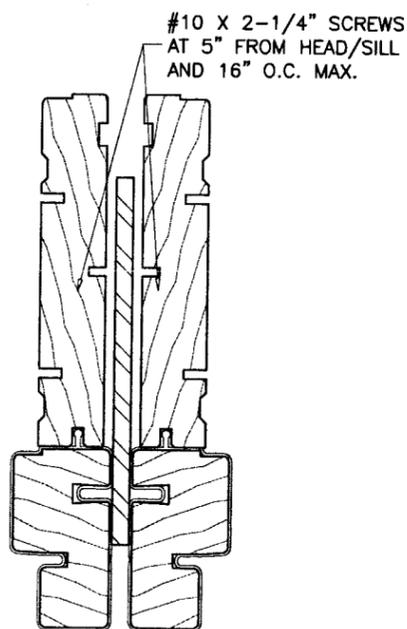
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VERTICAL JOIN

CASMT PICTURE WDW. TO CASEMENT
HORIZONTAL JOIN



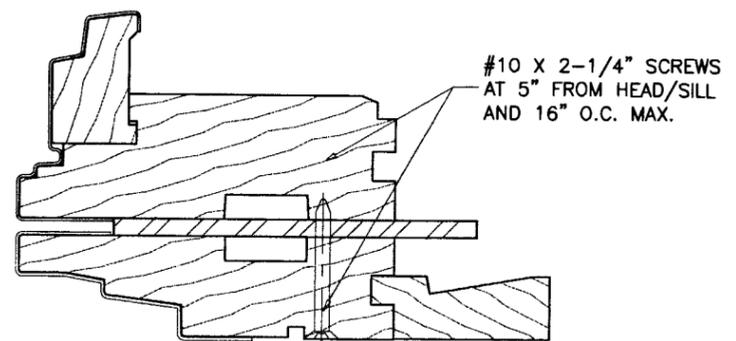
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AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

PSNL WDW TO 400 TWDH PICTURE WDW
VERTICAL JOIN



#10 X 2-1/4" SCREWS
AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

PSNL WDW TO PSNL WDW
VERTICAL JOIN



#10 X 2-1/4" SCREWS
AT 5" FROM HEAD/SILL
AND 16" O.C. MAX.

CASMT PICTURE WDW. TO AWNING
HORIZONTAL JOIN

CASMT PICTURE WDW. TO CASEMENT
VERTICAL JOIN

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA PE # 16557
C.A.N. 3538

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Miami Dade Product Control
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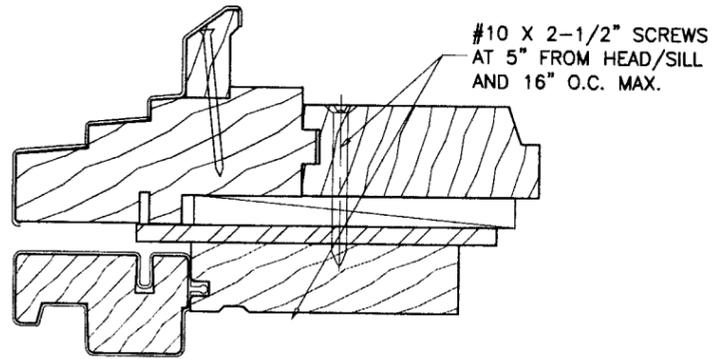
afc
AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M07-03AC

NARROW STEEL MULLION SYSTEM
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)

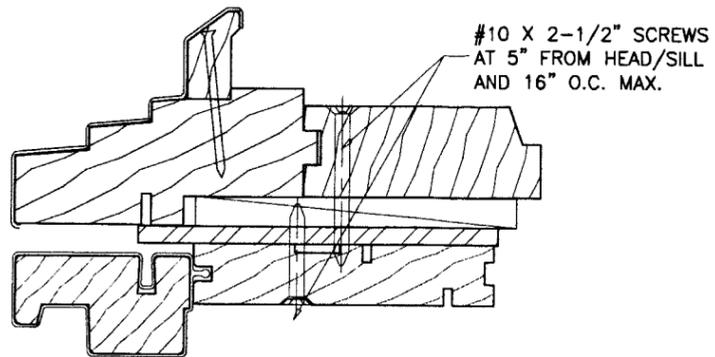
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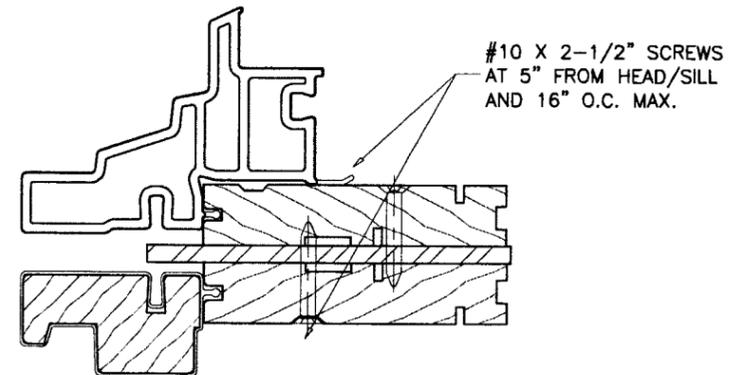
drawing no.
M07-03
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PSNL TO CIRCLE TOP-NL
HORIZONTAL JOIN



400 TW TO CIRCLE TOP-NL
HORIZONTAL JOIN



400 TW TO TW TRANSOM
HORIZONTAL JOIN

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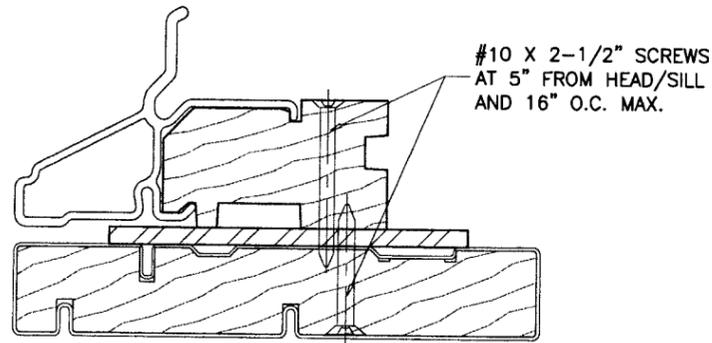
ANDERSEN CORPORATION
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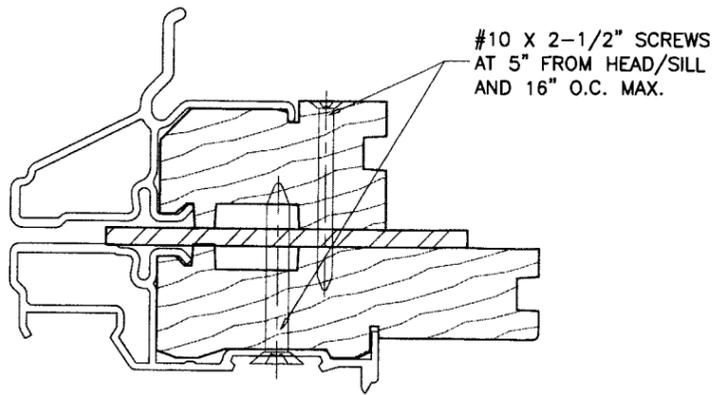
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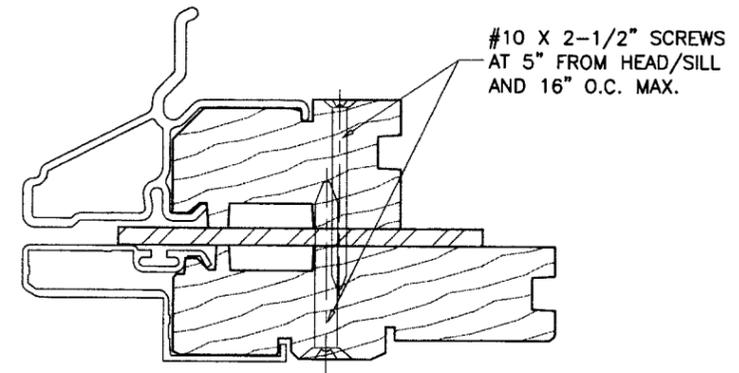
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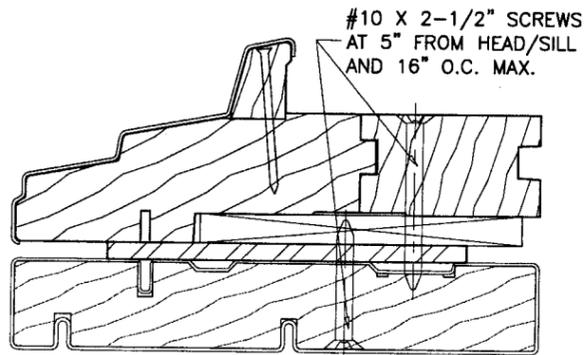
FLEXIFRAME/ARCH/SPRINGLINE TO FW GLIDING DOOR
HORIZONTAL JOIN



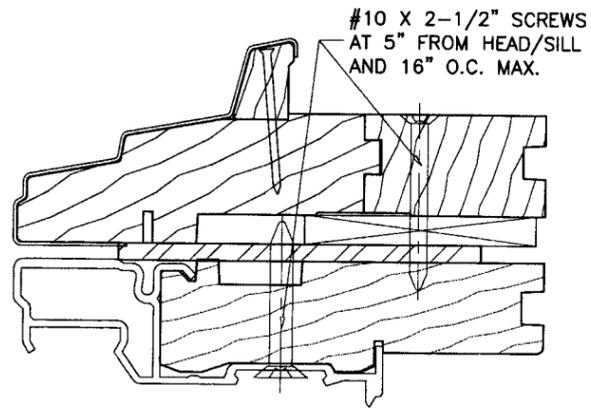
FLEXIFRAME/ARCH/SPRINGLINE TO FWH DOOR
HORIZONTAL JOIN



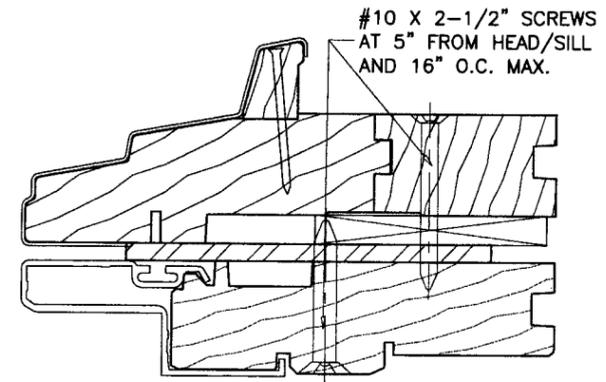
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HORIZONTAL JOIN



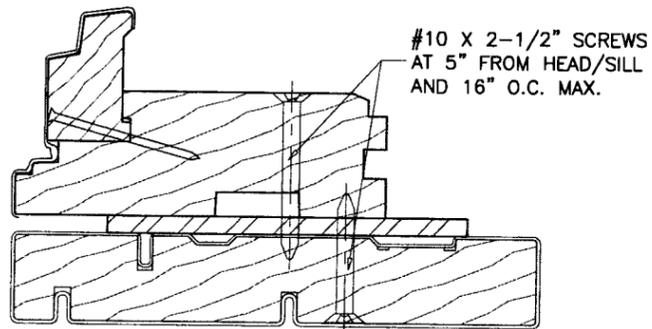
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HORIZONTAL JOIN



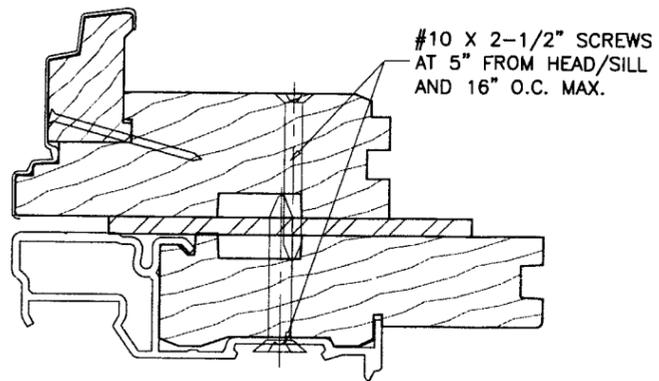
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HORIZONTAL JOIN



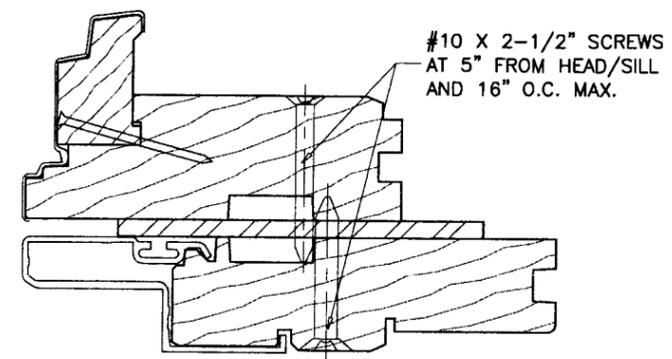
FLEXIFRAME/ARCH/SPRINGLINE TO FWO DOOR
HORIZONTAL JOIN



PSCA PICTURE WDW TO FW GLIDING DOOR
HORIZONTAL JOIN



PSCA PICTURE WDW TO FWH DOOR
HORIZONTAL JOIN



PSCA PICTURE WDW TO FWO DOOR
HORIZONTAL JOIN

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Miami Dade Product Control
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NARROW STEEL MULLION SYSTEM
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)

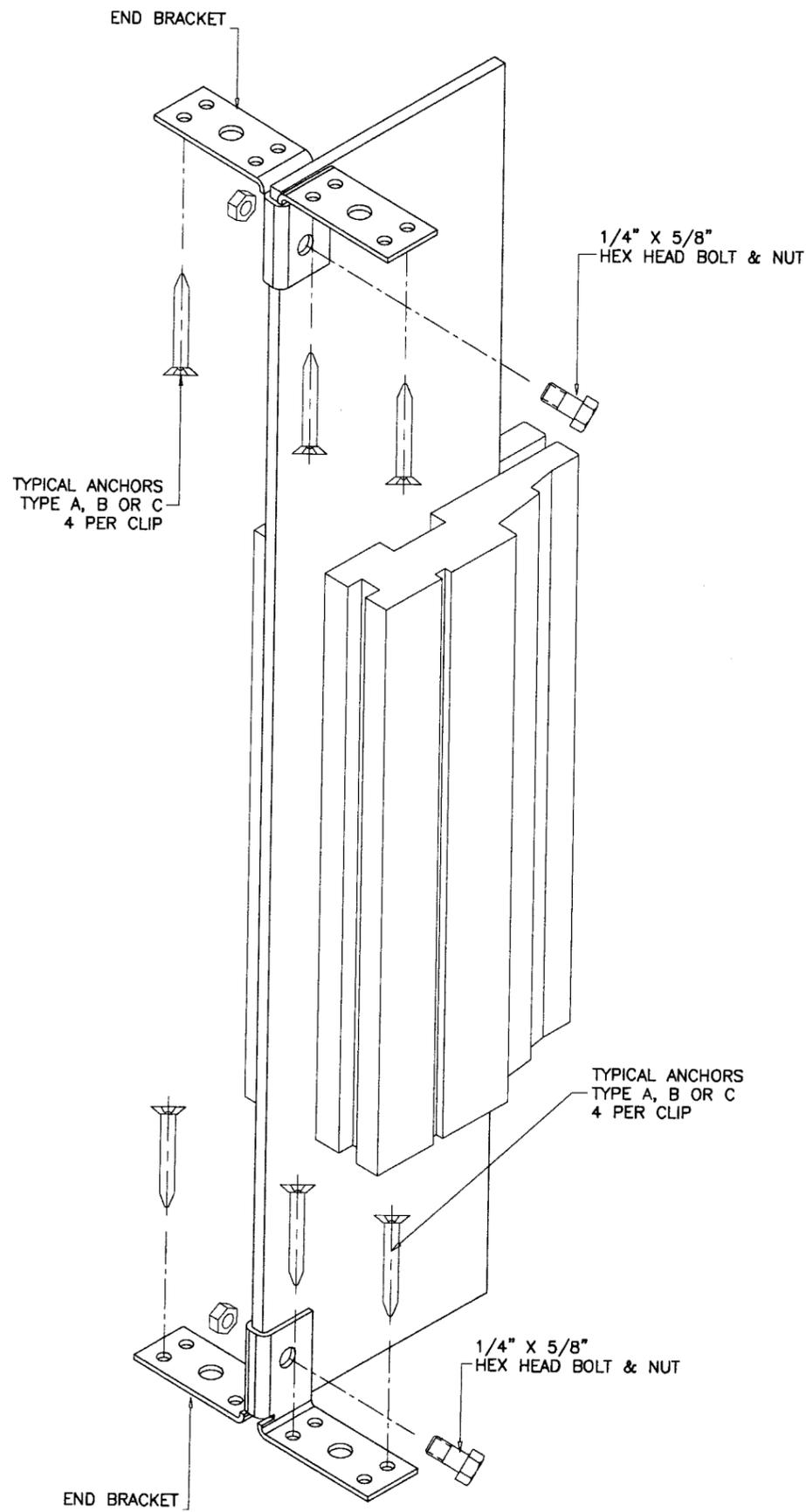


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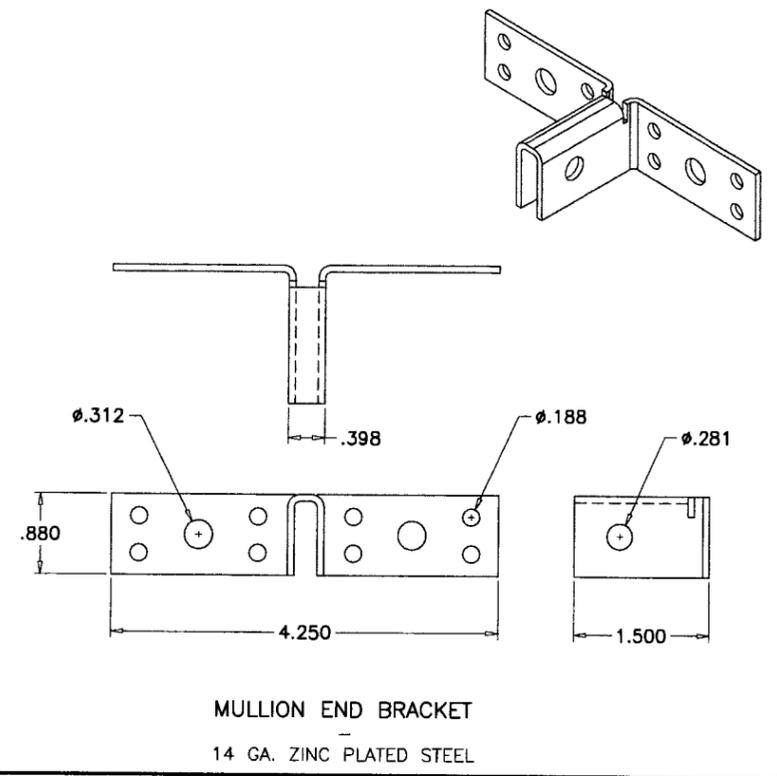
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

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**VERTICAL OR HORIZONTAL
MULLION CONNECTION**



MULLION END BRACKET
14 GA. ZINC PLATED STEEL

TYPICAL ANCHORS:

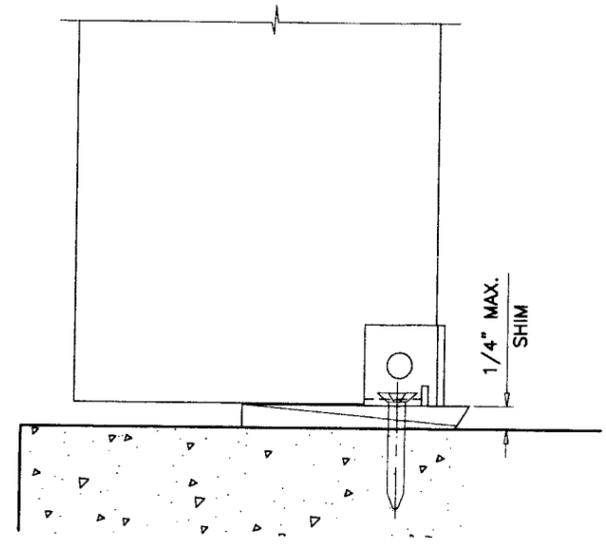
- TYPE 'A'- **#12 SMS OR WOOD SCREWS**
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD
- TYPE 'B'- **3/16" DIA TAPCONS BY 'ELCO'**
THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/2" MIN. EMBED INTO MASONRY OR CONC.
DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY
- TYPE 'C'- **#12 SMS OR SELF DRILLING SCREWS**
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : .080" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCES

- INTO CONCRETE AND MASONRY = 1-7/8" MIN.
- INTO WOOD STRUCTURE = 3/4" MIN.
- INTO METAL STRUCTURE = 1/2" MIN.

ANCHORS ϕ TO ϕ DISTANCES

- INTO CONCRETE AND MASONRY = 1-3/16" MIN.
- INTO WOOD STRUCTURE = 3/4" MIN.
- INTO METAL STRUCTURE = 3/4" MIN.



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STRUCTURES
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Expiration Date **1/07/2008**
By *Manuel Perez*
Miami Dade Product Control
Division

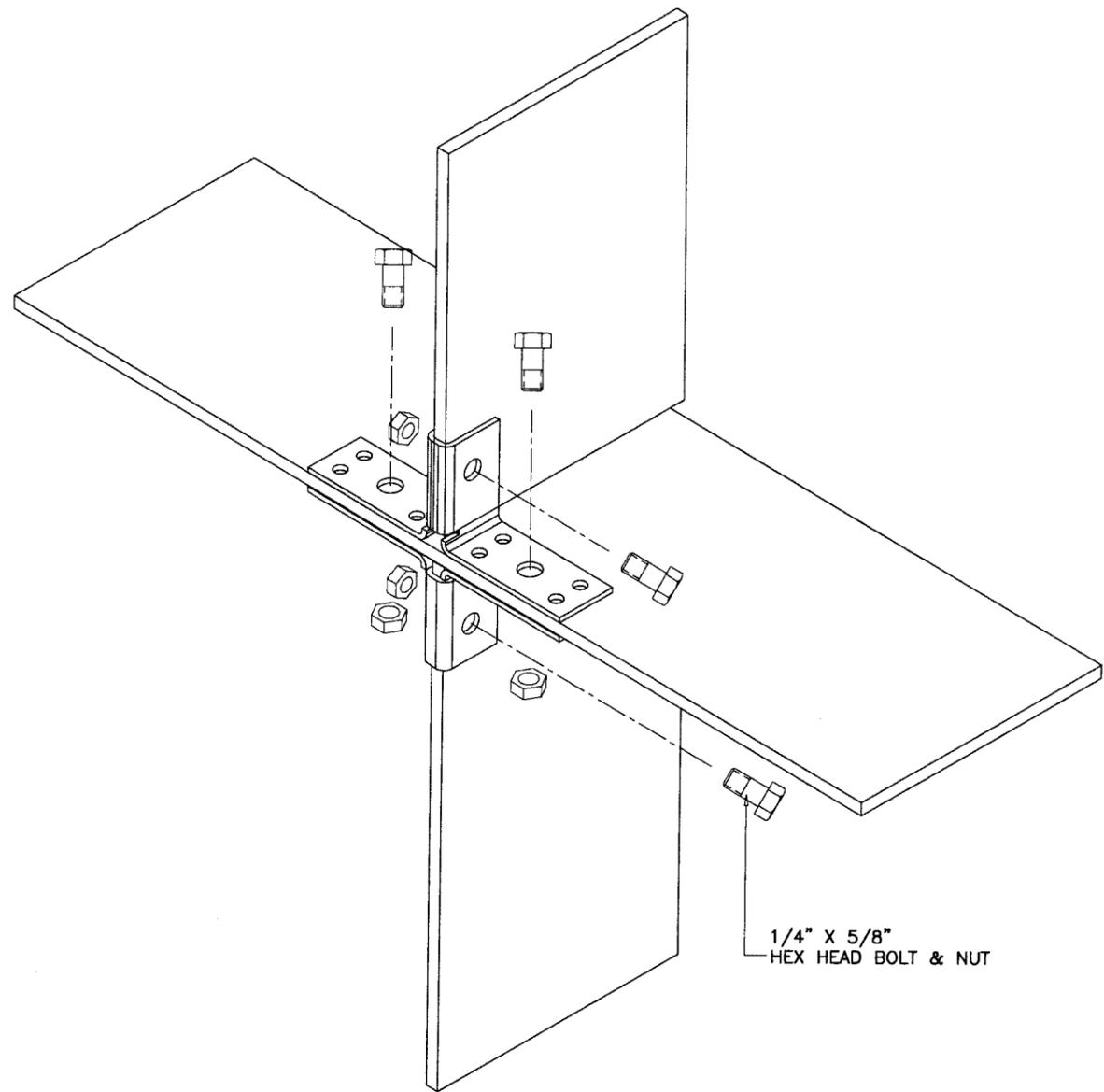
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chk. by:

drawing no.
M07-03
sheet 10 of 11



1/4" X 5/8"
HEX HEAD BOLT & NUT

VERT. MULLION CONNECTION TO HORIZONTAL MULLION

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