



**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)

**Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Tube Mullion for Series SH-7700 Aluminum Single Hung Window - Impact

APPROVAL DOCUMENT: Drawing No. **M01-04**, dated 10/25/01, with revision C dated 05/30/02, titled "Mullion Elevations and Details", sheets 1 through 3, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

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



**NOA No 01-1120.01
Expiration Date: June 20, 2007
Approval Date: June 20, 2002
Page 1**

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **M01-04**, dated 10/25/01, with revision C dated 05/30/02, titled "Mullion Elevations and Details", sheets 1 through 3, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1 Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of series SH-7700 aluminum single hung windows mullied together, prepared by Fenestration Testing Laboratories, Inc., Test Report No. **FTL-3200**, dated September 28, 2001, signed and sealed by Luis Figueredo, P.E.
2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
3) Water Resistance Test, per SFBC, 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 marked-up drawings and installation diagram of series SH-7700 aluminum single hung windows mullied together, prepared by Fenestration Testing Laboratories, Inc., Test Report No. **FTL-3372**, dated March 11, 2002, signed and sealed by Luis Figueredo, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al-Farooq Corporation, dated Nov. 8, 2001, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **99-0930.01** issued to Security Impact Glass Holdings L.L.C. for their "SAF -GLAS" dated 12/16/99, expiring on 12/16/02.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for their "Saflex /Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.

E. STATEMENTS

1. Statement letter of conformance, dated April 4, 2002, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated April 4, 2002, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report no. FTL- 3200, issued by Fenestration Testing Laboratory, Inc., dated October 5, 2001, signed and sealed by Luis Figueredo, P.E.

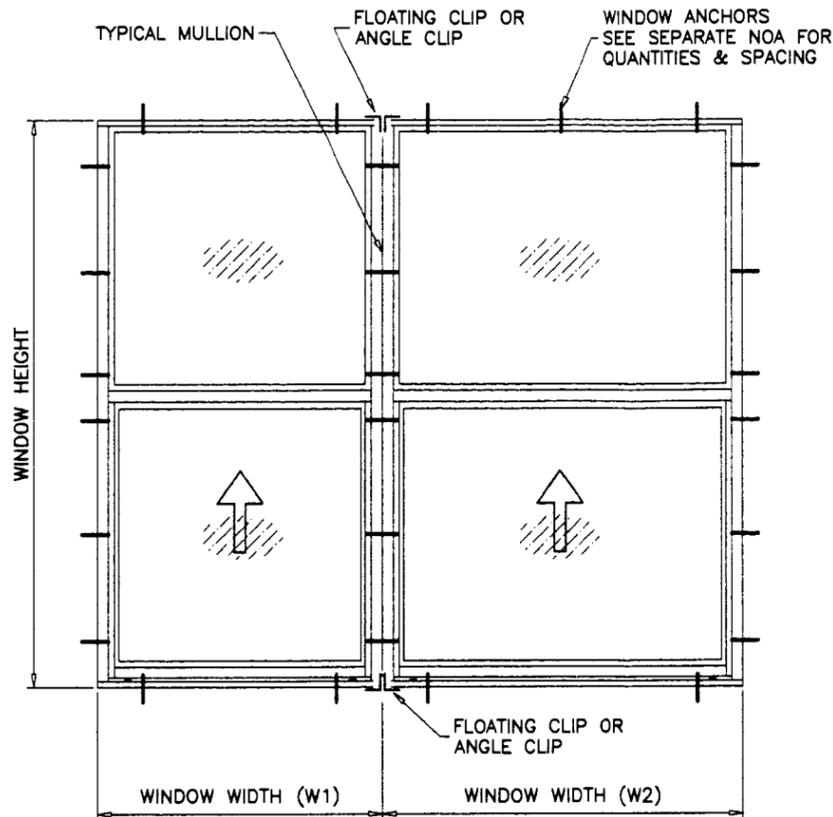
F. OTHER

1. None.



Manuel Perez, P.E.
Product Control Examiner
NOA No 01-1120.01
Expiration Date: June 20, 2007
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DESIGN LOAD CAPACITY - PSF POSITIVE (+) AND NEGATIVE (-)					
WINDOW DIMS.		3" CUSTOM MULLION		4" CUSTOM MULLION	
AVG. WIDTH	HEIGHT	ANCHOR 'A'	ANCHOR 'B'	ANCHOR 'A'	ANCHOR 'B'
19-1/8"	38-3/8"	100.0	100.0	100.0	100.0
26-1/2"		100.0	100.0	100.0	100.0
37"		100.0	100.0	100.0	100.0
40"		100.0	100.0	100.0	100.0
44"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
53-1/8"	100.0	100.0	100.0	100.0	100.0
19-1/8"	50-5/8"	100.0	100.0	100.0	100.0
26-1/2"		100.0	100.0	100.0	100.0
37"		94.5	100.0	94.5	100.0
40"		91.7	100.0	91.7	100.0
44"		89.2	100.0	89.2	100.0
48"		87.9	100.0	87.9	100.0
53-1/8"	87.7	100.0	87.7	100.0	100.0
19-1/8"	57"	100.0	100.0	100.0	100.0
26-1/2"		96.9	100.0	96.9	100.0
37"		78.8	100.0	78.8	100.0
40"		75.9	100.0	75.9	100.0
44"		72.9	100.0	72.9	100.0
48"		70.9	100.0	70.9	100.0
53-1/8"	69.5	100.0	69.5	100.0	100.0
19-1/8"	63"	100.0	100.0	100.0	100.0
26-1/2"		85.2	100.0	85.2	100.0
37"		68.2	100.0	68.2	100.0
40"		65.3	100.0	65.3	100.0
44"		62.3	97.2	62.3	100.0
48"		60.0	92.6	60.0	100.0
53-1/8"	58.0	88.5	58.0	96.9	100.0
19-1/8"	74-1/4"	90.8	100.0	90.8	100.0
26-1/2"		69.5	100.0	69.5	100.0
37"		54.5	75.9	54.5	90.9
40"		51.8	71.3	51.8	86.4
44"		48.9	66.3	48.9	81.6
48"		46.6	62.4	46.6	77.2
53-1/8"	44.3	58.5	44.3	72.5	100.0



$$\text{AVG. WIDTH} = \frac{W1 + W2}{2}$$

FOR OTHER PERIMETER ANCHORS REFER TO PRODUCT APPROVAL.

ANCHORING CONDITIONS VARYING FROM THOSE SHOWN IN THESE CALCULATIONS SUBJECT TO SEPARATE ENGINEERING REVIEW.

NOTE:
APPROVAL APPLIES TO TWO OR MORE WINDOWS MULLED TOGETHER.

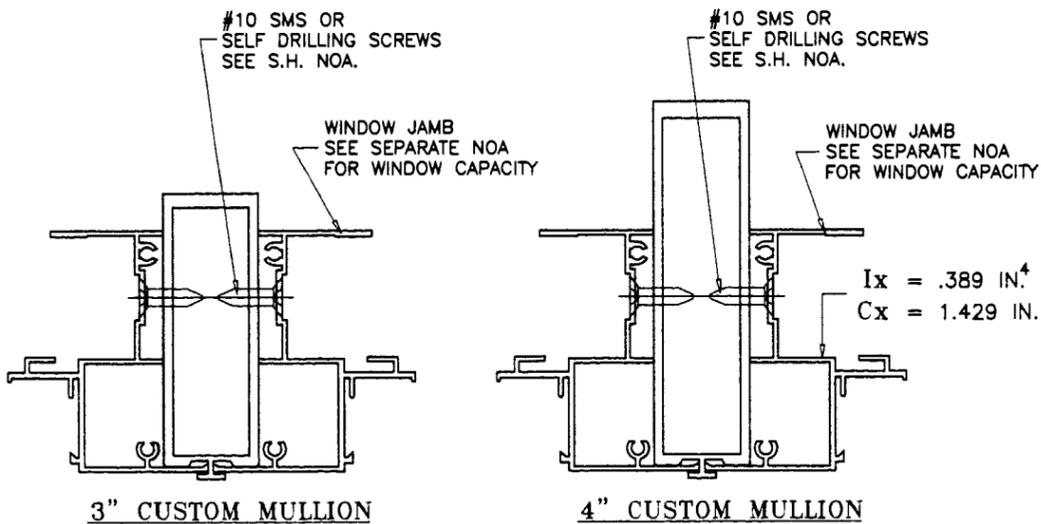
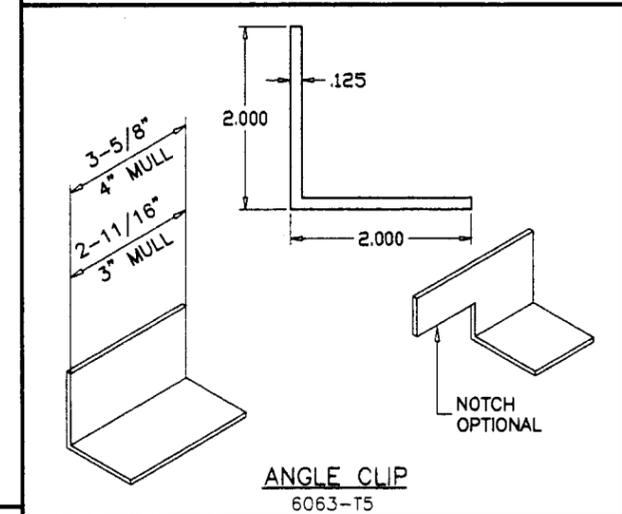
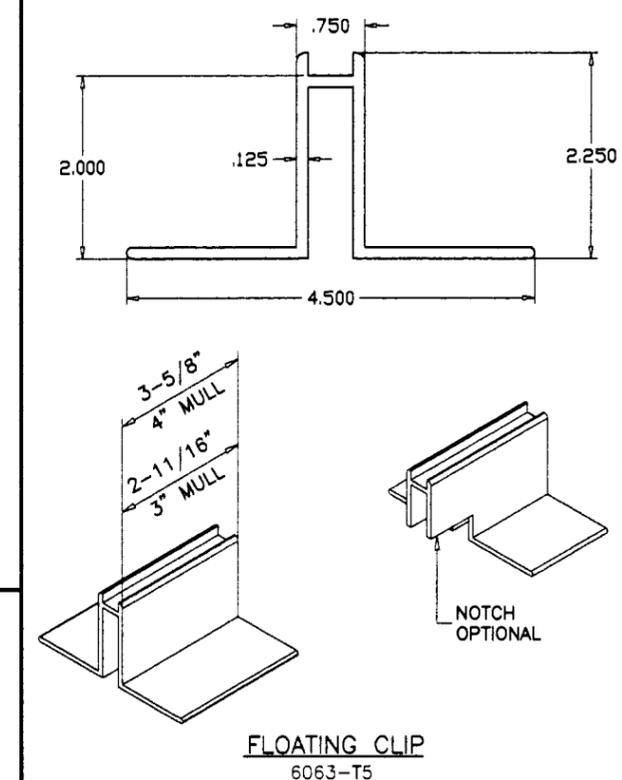
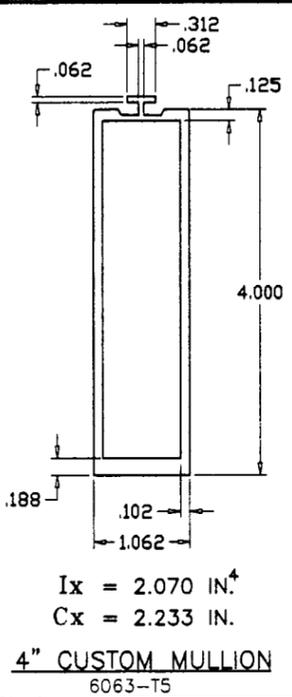
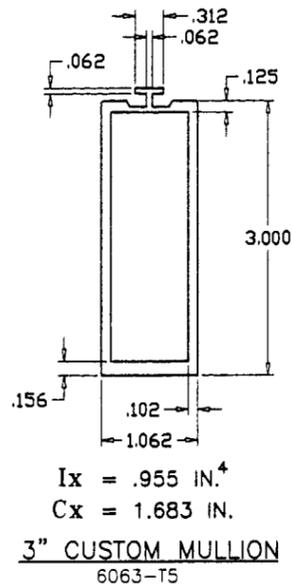
INSTRUCTIONS:

USE MULLION/ANCHOR LOAD CHART AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED FOR PARTICULAR OPENING.
- STEP 2** USE DADE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS.
- STEP 3** USE CONNECTION TO MULLION AS PER PRODUCT APPROVAL.
- STEP 4** USING CHART SELECT 3" OR 4" MULLION WITH CAPACITY EXCEEDING THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** USING CHART SELECT ANCHOR TYPE 'A' OR 'B' WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

NOTES:

- 1. ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE DADE COUNTY REQUIREMENTS I.E. WIND LOAD, AIR & WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.
- 2. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.)
- 3. ANY CONDITIONS NOT COVERED IN THIS SUBMITTAL SUBJECT TO SEPARATE ENGINEERING REVIEW.
- 4. ALL MULLIONS TO BE ALLOY 6063-T5.



ALUMINUM TUBE MULLIONS WITH WINDOW FRAME MEMBER INCLUDED

USE WITH:
SERIES SH-7700 SINGLE HUNG WINDOW

MULLIONS AND WINDOWS ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE SHUTTERS.

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

MAY 30 2002

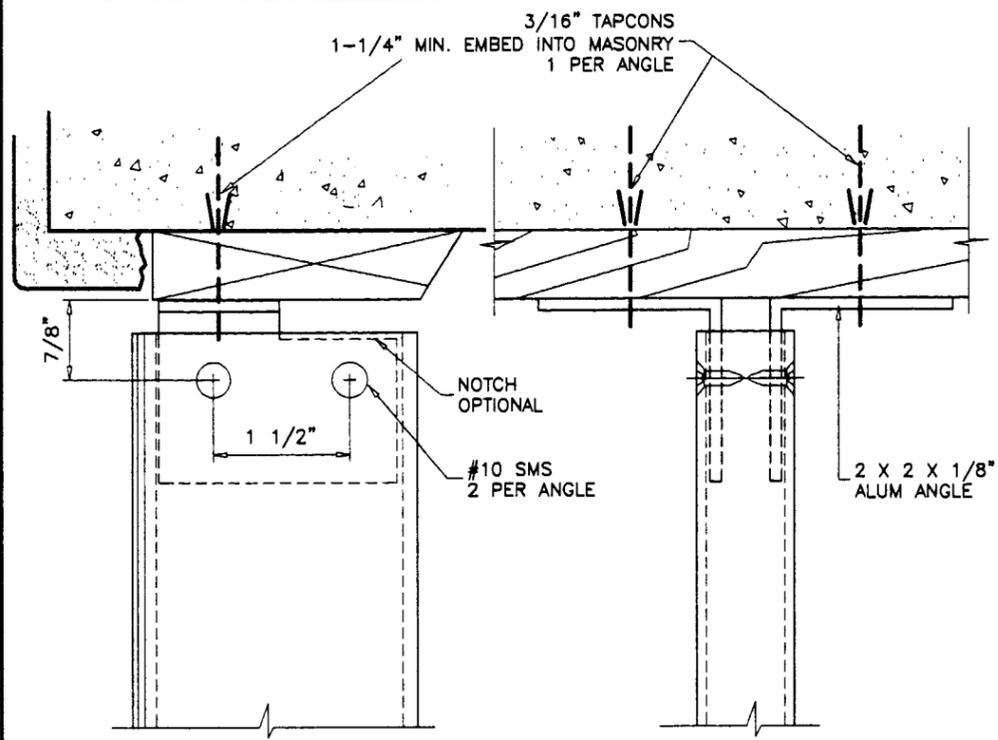
Approved as complying with the Florida Building Code
Date
NOA#
Miami Dade Product Control Division
By *Manuel Perez*

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

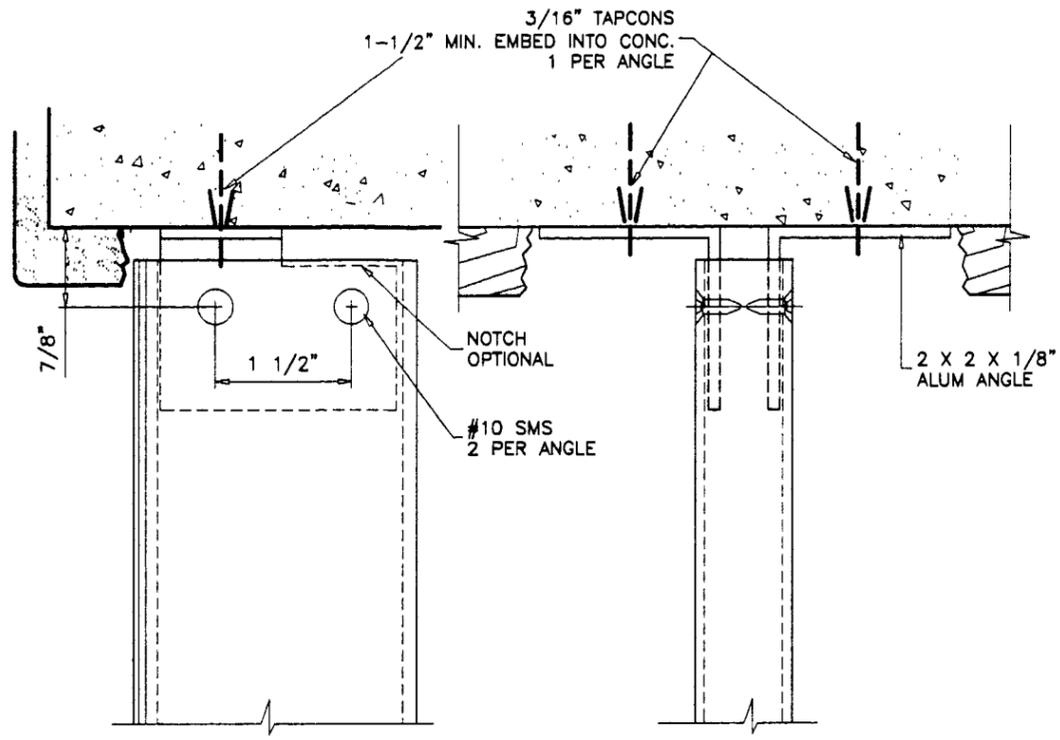
MULLION ELEVATIONS AND DETAILS
LAWSON INDUSTRIES
7030 N.W. 37 TH. COURT
MIAMI, FL. 33147
TEL (305) 696-8660 FAX (305) 696-6006

no.	date	description
A	04.02.02	MULLION CLIP REV.
B	04.30.02	REV. PER BCCO COMMENTS
C	05.30.02	REV. PER BCCO COMMENTS

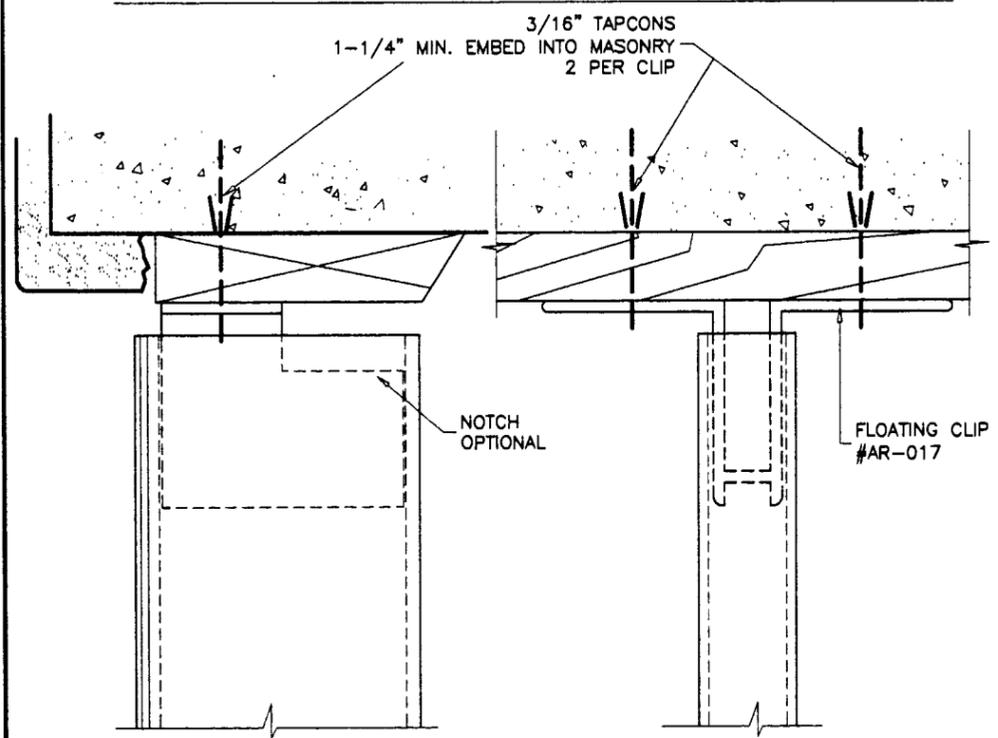
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **M01-04**
sheet 1 of 3



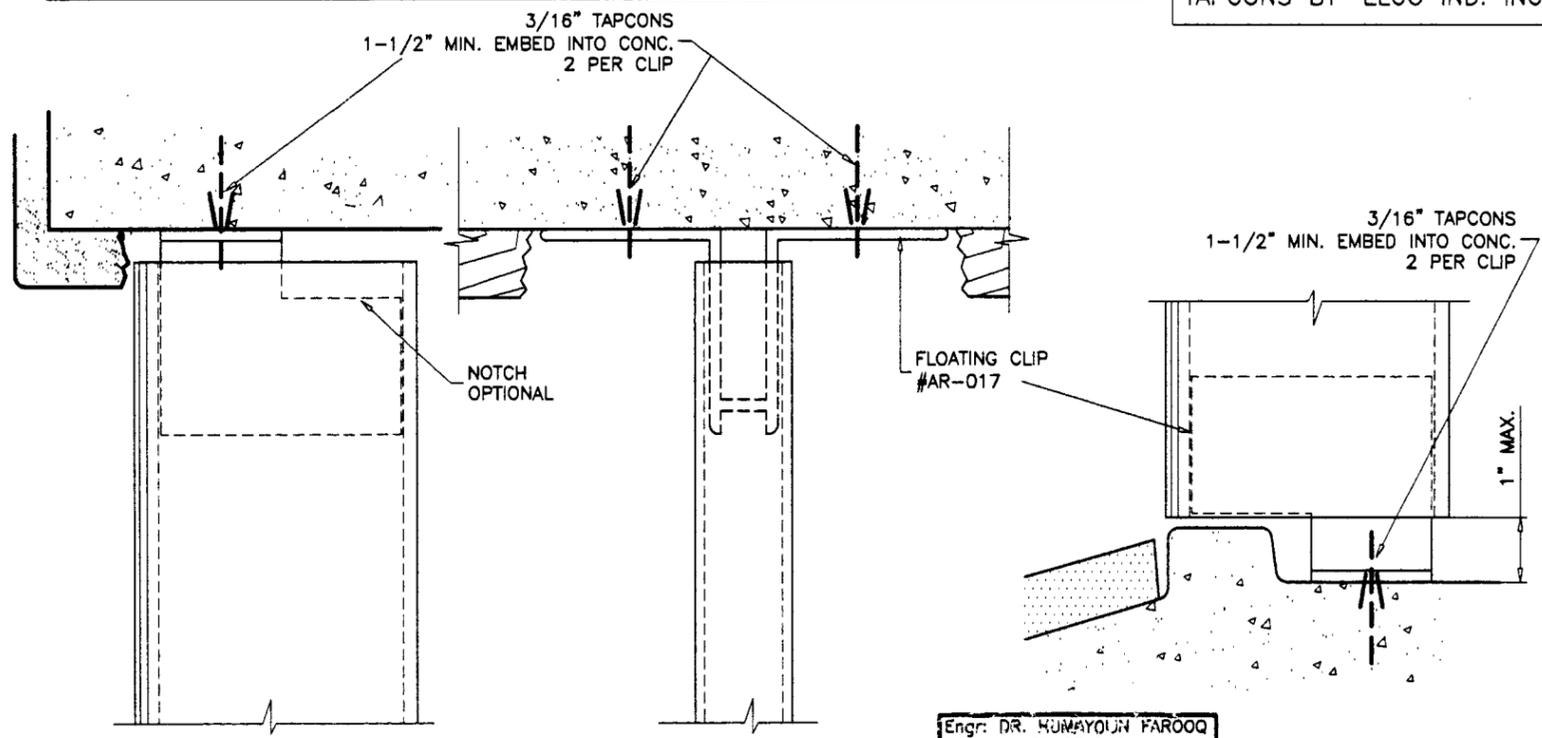
ANCHORS TYPE 'A'
 USING ANGLE CLIPS
 ANCHORS THRU WOOD BUCKS INTO MASONRY



ANCHORS TYPE 'B'
 USING ANGLE CLIPS
 ANCHORS DIRECTLY TO MASONRY



ANCHORS TYPE 'A'
 USING FLOATING CLIP
 ANCHORS THRU WOOD BUCKS INTO MASONRY



ANCHORS TYPE 'B'
 USING FLOATING CLIP
 ANCHORS DIRECTLY TO MASONRY

TAPCONS BY 'ELCO IND. INC.'

Engr. DR. HUMAYUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 MAY 30 2002

Approved as complying with the
 Florida Building Code
 Date _____
 NOA# _____
 Miami Dade Product Control
 Division
 By *[Signature]*

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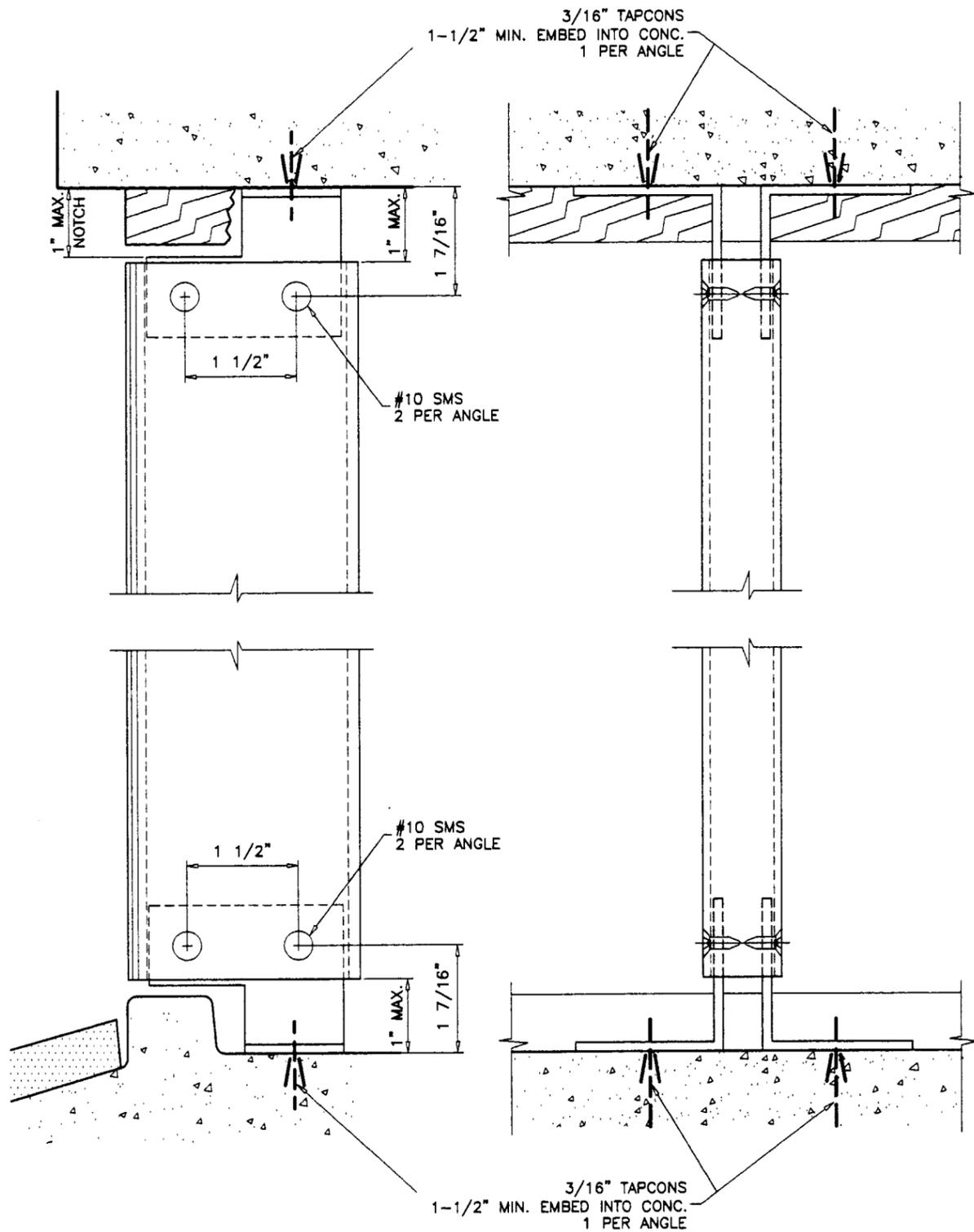
LAWSON INDUSTRIES
 7030 N.W. 37 TH. COURT
 MIAMI, FL. 33147
 TEL (305) 696-8660 FAX (305) 696-6006

MULLION ELEVATIONS AND DETAILS

no	date	by	description

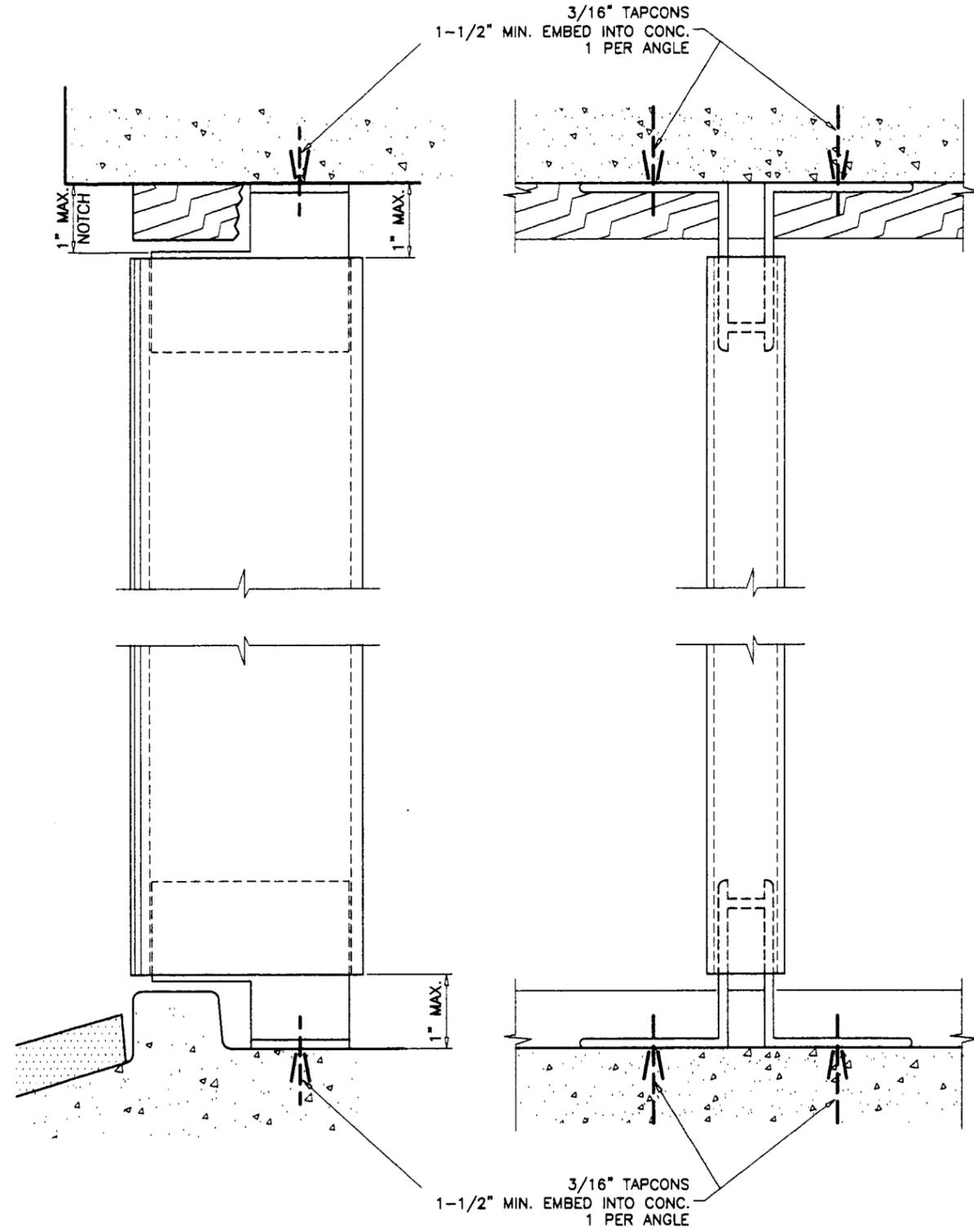
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by: _____

drawing no. **M01-04**
 sheet 2 of 3



ANCHORS TYPE 'B'
 USING ANGLE CLIPS
 ANCHORS DIRECTLY TO MASONRY

TAPCONS BY 'ELCO IND. INC.'



ANCHORS TYPE 'B'
 USING FLOATING CLIP
 ANCHORS DIRECTLY TO MASONRY

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

[Signature]
 MAY 30 2002

Approved as complying with the
 Florida Building Code
 Date _____
 NOA# _____
 Miami Dade Product Control
 Division _____
 By *[Signature]*

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AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 MULLION\M01-04

MULLION ELEVATIONS AND DETAILS

LAWSON INDUSTRIES
 7030 N.W. 37 TH. COURT
 MIAMI, FL. 33147
 TEL. (305) 696-8660 FAX (305) 696-6006

no	date	by	description

date: 10-25-01
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by: _____

drawing no.
M01-04
 sheet 3 of 3