



MIAMI-DADE COUNTY
 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.miamidade.gov

Curv-A-Tech Corporation
 930 W. 23rd Street
 Hialeah, FL 33010

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: 0.062" (min.) Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 95-43, titled ".062" Aluminum Storm Panels Shutter", sheets 1 through 6 of 6, prepared by Al-Farooq Corp., dated October 05, 1995, last revision #F dated October 02, 2007, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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 & renews** NOA # 02-0131.01 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
 11/15/2007

NOA No. 07-0606.09
 Expiration Date: 03/21/2008
 Approval Date: 11/15/2007
 Page 1

Curv-A-Tech Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #95-1108.01**
 - A. DRAWINGS**
 1. *Drawing No. 95-43, Curv-A-Tech Corporation Storm Panel, Sheets 1 through 3 of 3 prepared by Al-Farooq Corporation, dated 10/05/95, revised 02/22/96, signed and sealed by Humayoun Farooq, P.E.*
 - B. TESTS**
 1. *Test report on Uniform Static Air Pressure Test, prepared by Hurricane Engineering & Testing Inc., Report No. HETI-95-474, dated August 10, 1995, signed and sealed by Hector M. Medina, P.E.*
 2. *Test report on Large Missile Impact & Cyclic Wind Pressure Test, prepared by Hurricane Engineering & Testing Inc., Report No. HETI-95-482, dated August 25, 1995, signed and sealed by Hector M. Medina, P.E.*
 - C. CALCULATIONS**
 1. *Comparative analysis and anchor calculations, dated 10/25/95, Pages 1 through 61 of 61, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.*
 - D. MATERIAL CERTIFICATION**
 1. *Mill Certified Inspection Reports issued by MSC Metals, dated 07/31/95.*
 2. *Certified Tensile Test Report issued by Hurricane Engineering & Testing Inc., Report No. ETI-95-T103, dated October 30, 1995, signed and sealed by Hector M. Medina, P.E.*
- 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #97-0930.07**
 - A. DRAWINGS**
 1. *Drawing No. 95-43, Curv-A-Tech Corporation, Storm Panel Mounting Details, sheets 1 through 4 of 4 prepared by Al-Farooq Corporation, dated 10/05/95, revision #D dated 02/25/98, signed and sealed by Humayoun Farooq, P.E.*
 - B. TESTS**
 1. *Test report on Large Missile Impact & Cyclic Wind Pressure Test, prepared by Hurricane Engineering & Testing Inc., Report No. HETI-96-533, dated March 12, 1996, signed and sealed by Hector M. Medina, P.E.*
 - C. CALCULATIONS**
 1. *Aluminum tube analysis and anchor calculations, dated 09/02/97, Pages M1 through M12 of M12, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-0606.09
Expiration Date: 03/21/2008
Approval Date: 11/15/2007

Curv-A-Tech Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. MATERIAL CERTIFICATION

1. *Mill Certified Inspection Reports issued by MSC Metals, dated 07/31/95.*
2. *Certified Tensile Test Report issued by Hurricane Engineering & Testing Inc., Report No. HETI-96-T15, dated April 11, 1996, signed and sealed by Hector M. Medina, P.E.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0323.01

A. DRAWINGS

1. *None. (Drawings originally in file 97-0930.07).*

B. TESTS

1. *None. (Tests originally in file 97-0930.07).*

C. CALCULATIONS

1. *None. (Calculations originally in file 97-0930.07).*

D. MATERIAL CERTIFICATIONS

1. *None. (Material certifications originally in file No. 97-0930.07).*

E. OTHER

1. *Letter issued by Al-Farooq Corporation stating that Humayoun Farooq is still practicing engineering, signed and sealed by Humayoun Farooq, P.E.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0131.01

A. DRAWINGS

See NOA 99-0323.01

B. TESTS

See NOA 99-0323.01

C. CALCULATIONS

See NOA 99-0323.01

D. MATERIAL CERTIFICATIONS

See NOA 99-0323.01

E. STATEMENTS

1. *See NOA 99-0323.01*
2. *Letter from Al Farooq Corporation, dated 1/18/02, stating that the engineer who performed the review of the product is still in the engineering business.*
3. *Letter from Curv-A-Tech, dated 1/28/02, stating that the product has not changed since it was originally approved.*



Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 07-0606.09

Expiration Date: 03/21/2008

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Curv-A-Tech Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. OTHER

See NOA 99-0323.01.

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 95-43, titled “.062” Aluminum Storm Panels Shutter”, sheets 1 through 6 of 6, prepared by Al-Farooq Corp., dated October 05, 1995, last revision #F dated October 02, 2007, signed and sealed by Humayoun Farooq, P.E., on October 03, 2007.*

B. TESTS

1. *None.*

C. CALCULATIONS

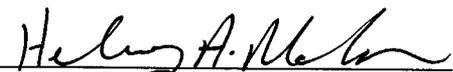
1. *Anchor Calculations, 70 sheets, dated May 21, 2007, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., on May 21, 2007.*

D. QUALITY ASSURANCE

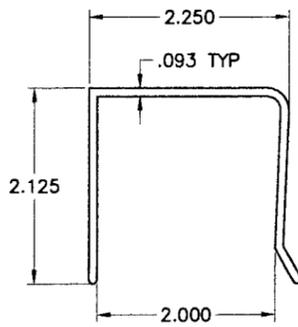
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

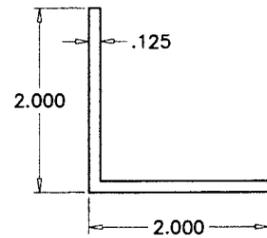
1. *None.*



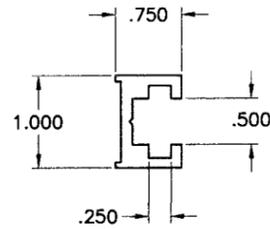
Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-0606.09
Expiration Date: 03/21/2008
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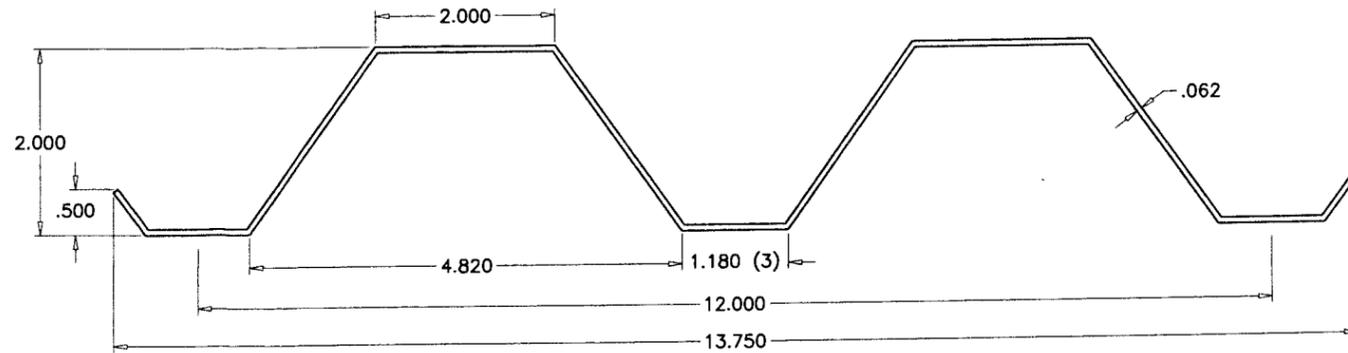
CEILING MOUNT HEADER
6063-T6



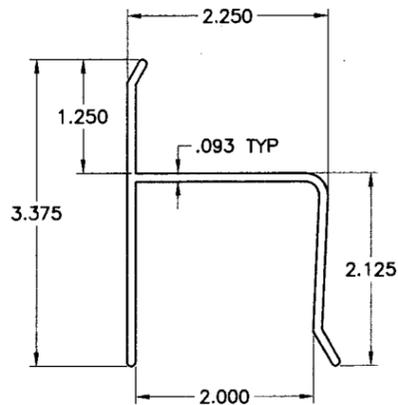
BASE ANGLE
6063-T6



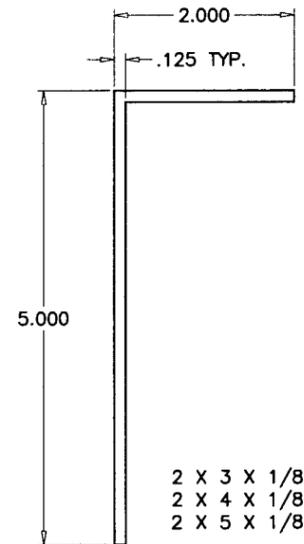
WALL MOUNT BRACKET
6063-T6



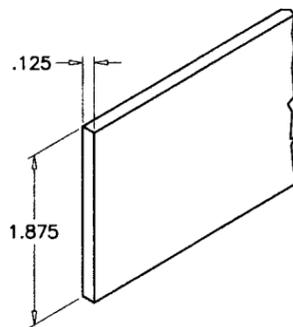
ROLL FORMED PANEL
ALUMINUM .062" THK. (3003-H14)



WALL MOUNT HEADER
6063-T6



BUILT-OUT ANGLES
6063-T6
2 X 3 X 1/8"
2 X 4 X 1/8"
2 X 5 X 1/8"



WALL MOUNT PLATE
6063-T6

GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. DESIGN CRITERIA FOR ALUMINUM, MINIMUM MECHANICAL PROPERTIES, AND SAFETY FACTORS ARE IN ACCORDANCE WITH THE "ALUMINUM CONSTRUCTION MANUAL" LATEST EDITION.
3. ALUMINUM ALLOYS: ALL EXTRUSIONS SHALL BE ALLOY AS SHOWN.
4. STEEL SURFACES TO BE PLACED IN CONTACT WITH ALUMINUM SHALL BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER IN ACCORDANCE WITH FEDERAL SPEC. NO. TTP-645, OR BE GALVANIZED.
5. ANCHORS SHALL BE AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. ALL BOLTS SHALL BE STAINLESS STEEL, ALUMINUM ALLOY 2024-T4 OR 7075-T6, OR PLATED STEEL. WING NUTS TO BE OF ZINC ALLOY.
7. DESIGN CRITERIA FOR PANELS: MAX DEFLECTION < L/30 FOR NEGATIVE LOAD AND THE LESSER OF L/30 OR 2" FOR POSITIVE LOAD.
8. ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
9. A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
10. EACH PANEL SHALL HAVE A LEGIBLE AND READILY VISIBLE MARKING INSTRUCTING OWNER OR TENANT TO SECURE PANELS AT LAP JOINTS WITH BOLTS AND WINGNUTS DURING PERIODS OF HURRICANE WARNING.

DESIGN LOADS SHALL BE CALCULATED AS PER REQUIREMENTS OF ASCE 7-02.

PRODUCT MARKING

A LABEL SHALL BE AFFIXED AT BOTTOM OF EACH PANEL WITH THE FOLLOWING STATEMENT.

CURVATECH CORPORATION, HIALEAH, FL.
"MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED"

DESIGN PRESSURE RATING = + 53 PSF
- 70 PSF

TYPICAL ANCHORS:

- ANCHOR **(A)** = 1/4" DIA. TAPCONS (BY ELCO)
1-3/4" EMBEDMENT INTO 3000 PSI CONC.
1-1/4" EMBEDMENT INTO C-90 BLOCK
- ANCHOR **(D)** = 1/4" RAWL CALK-IN
TOTAL ANCHOR BODY INTO 3000 PSI CONC.
OR C-90 BLOCK
- ANCHOR **(E)** = 1/4" DIA. TAPCONS
1-1/2" MIN PENETRATION INTO WOOD(S.G.=0.55)
- ANCHOR **(G)** = 1/4" DIA. KWIK-FLEX SELF DRILLING SCREWS
INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)

NOTE: ANCHORS EMBEDMENT SHOWN IS BEYOND WALL & FLOOR COVERINGS (STUCCO, TILES, ETC.)

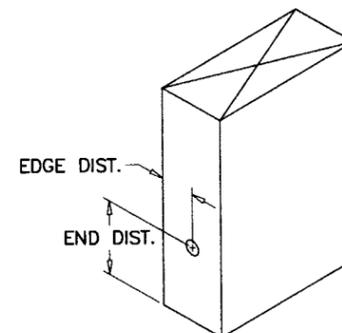
FASTENER SPACING IN MASONRY

CHARTS ARE BASED ON TYPICAL EDGE DISTANCE = 12d.
FOR LESSER EDGE DISTANCE DECREASE SPACING BY MULTIPLYING WITH THE FACTOR BELOW

EDGE DIST.	12d=3"	10d=2-1/2"	8d=2"	6d=1-1/2"	5d=1-1/4"
FACTOR	1.00	0.86	0.71	0.57	0.50

EXAMPLE: FOR 3" EDGE DIST. SPACING = 12" O.C. (FROM CHART)
FOR 2" EDGE DIST. SPACING = 12 X .71 = 8.5 O.C.

TYPICAL EDGE DISTANCE IN WOOD = 3/4"
TYPICAL END DISTANCE IN WOOD = 1"
NO REDUCTION FACTOR IS REQUIRED



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

10 OCT 03 2007

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 07-0606.09
Expiration Date 03/21/2008
By Helmy H. Helmy
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
PANELS/95-43CTC

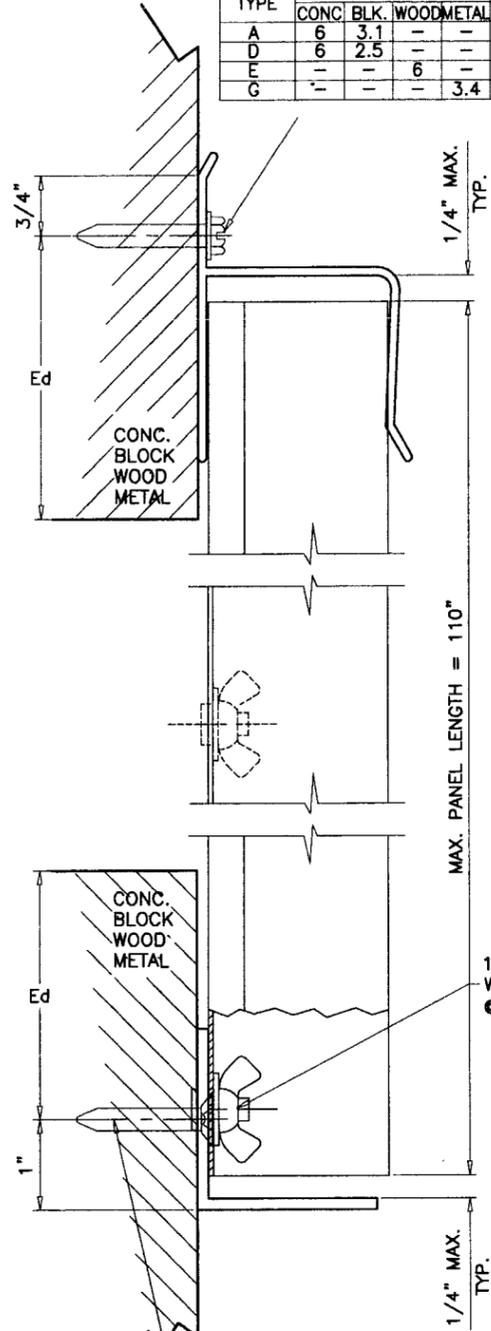
.062" ALUMINUM STROM PANELS SHUTTER
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL. (305) 888-9631 FAX. (305) 888-9969

no	date	description
B	05.12.96	SHEETS 1,2 REV. & 4 ADD.
C	08.30.97	GENERAL REVISION
D	02.25.98	NOTE ADDED ON SHT. 4
E	05.15.07	UPDATED FOR 2004 FBC
F	10.02.07	REV. PER BCCO COMMENTS

date: 10-05-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. 95-43
sheet 1 of 6

WALL MOUNTS

ANCHOR TYPE	ANCHOR SPACING INCHES								
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF		
	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL
A	6	3.1	-	5.2	2.6	-	4.4	2.2	-
D	6	2.5	-	6	2.1	-	5.4	-	-
E	-	-	6	-	-	5.9	-	-	5.1
G	-	-	-	3.4	-	-	2.9	-	2.4

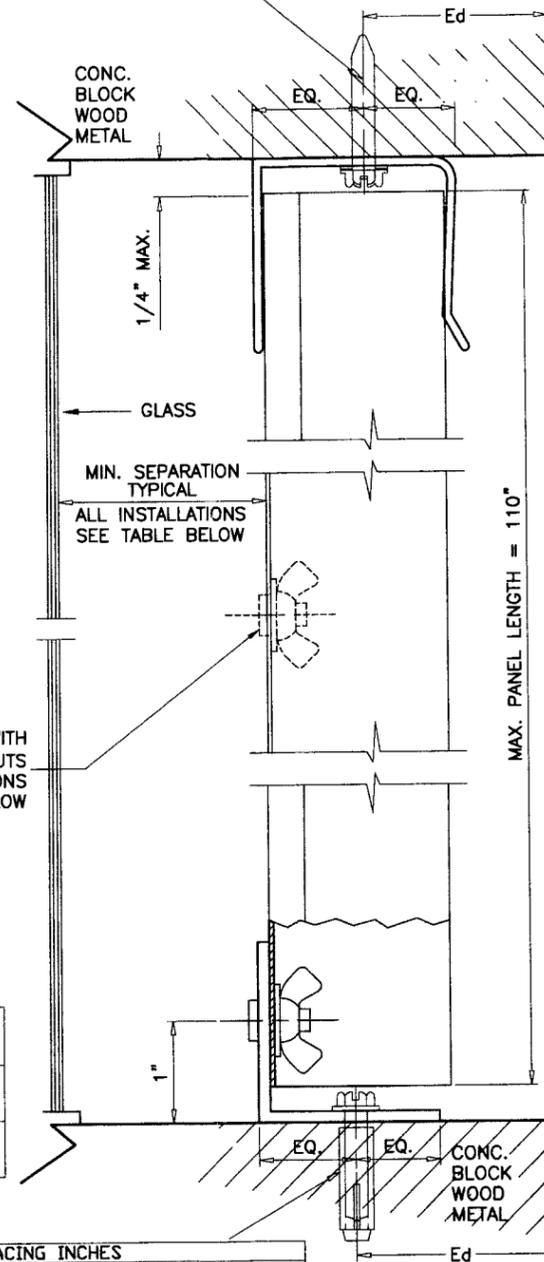


ANCHOR TYPE	ANCHOR SPACING INCHES								
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF		
	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL
A	6	6	-	6	6	-	6	6	-
D	6	6	-	6	5.5	-	6	4.8	-
E	-	-	6	-	-	6	-	-	6
G	-	-	-	6	-	-	6	-	6

SECTION A-A

INSIDE MOUNTS

ANCHOR TYPE	ANCHOR SPACING INCHES								
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF		
	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL
A	6	5.1	-	6	4.2	-	6	3.6	-
D	6	3.8	-	6	3.2	-	6	2.7	-
E	-	-	6	-	-	6	-	-	5.5
G	-	-	-	5.5	-	-	4.6	-	3.9



OVERLAPPING PANELS FASTENED WITH 1/4-20 X 1" BOLTS & WINGNUTS TYPICAL ALL INSTALLATIONS FOR SPACING SEE TABLE BELOW

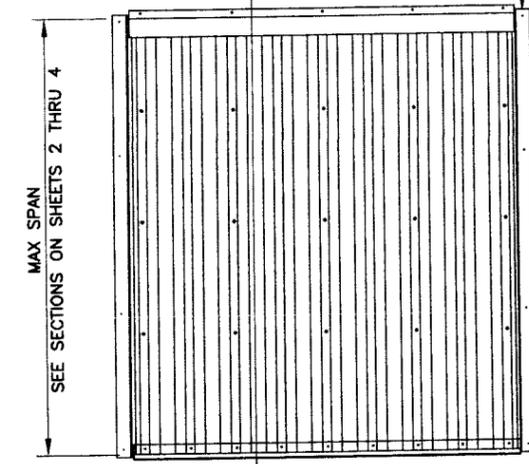
BOLTS SPACING AT LAP JOINTS	PANEL SPAN UPTO	MIN. SEPARATION REQD. FROM GLASS
17" O.C.	70"	2-1/2"
27-1/2" O.C.	110"	3-5/8"

ANCHOR TYPE	ANCHOR SPACING INCHES								
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF		
	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL	CONC.	BLK.	WOODMETAL
A	6	6	-	6	6	-	6	5.3	-
D	6	5.4	-	6	4.5	-	6	3.9	-
E	-	-	6	-	-	6	-	-	6
G	-	-	-	6	-	-	6	-	5.6

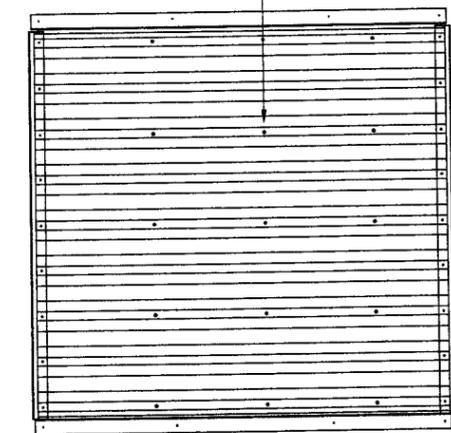
SECTION B-B

ANCHORS: EMBEDMENT & EDGE DISTANCES SHOWN ARE BEYOND THE WALL & FLOOR COVERING (STUCCO, TILES, ETC.)

A
B
C
D
END CLOSURE ANGLE REQD. ONLY ON BUILT-OUT CONDITION SEE DETAIL 'A' ON SHEET 4



D
C
B
A
1/4-20 X 1" BOLTS WITH WINGNUTS SEE TABLE AT LEFT



TYPICAL ELEVATION
PANELS CAN BE INSTALLED VERTICALLY OR HORIZONTALLY USING APPLICABLE ANCHORING DETAILS.

Ed = TYPICAL EDGE DISTANCE
CONC. & BLOCK = 12d (12 ANCHOR DIAMETERS)
WOOD = 5d
FOR LESSER EDGE DISTANCES SEE SHEET 1 OF 6.

HEADER AND SILL DETAILS CAN BE USED IN ANY COMBINATIONS.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
DC/03/2007

PRODUCT REVISED
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af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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TEL. (305) 264-8100 FAX. (305) 262-6978
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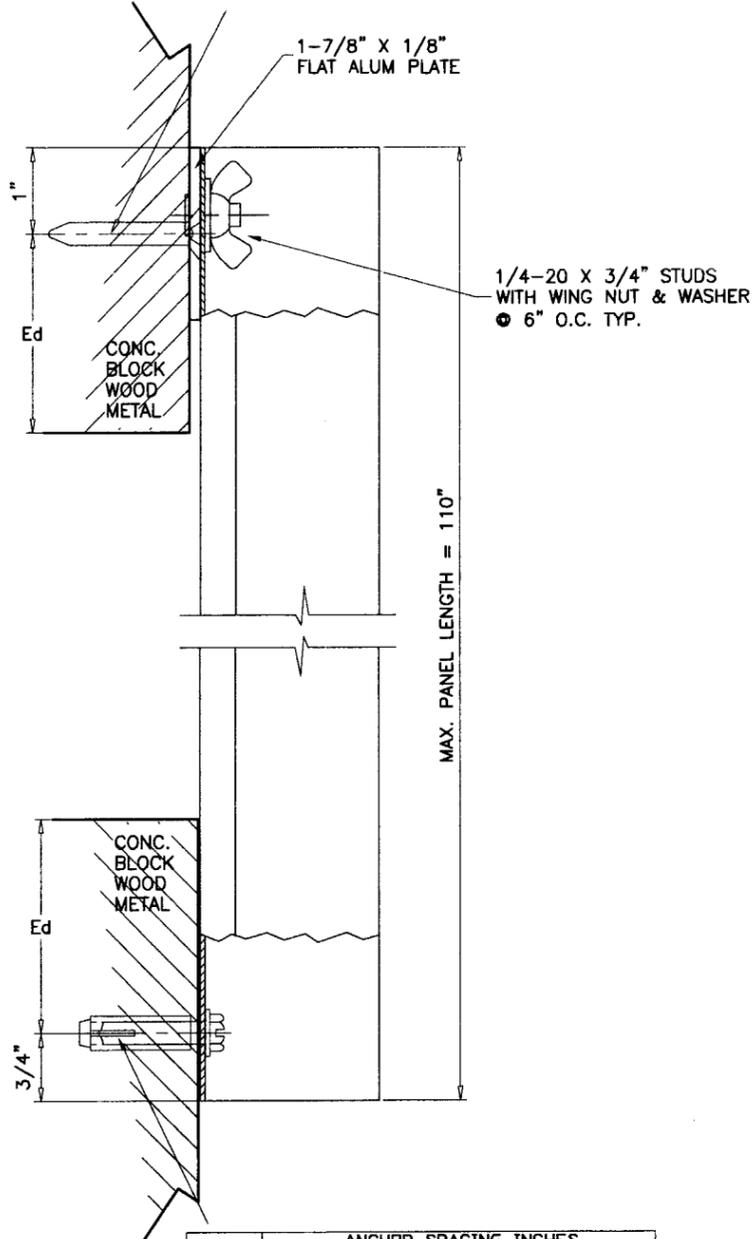
.062" ALUMINUM STROM PANELS SHUTTER
CURV-A-TECH CORPORATION
930 W. 23rd STREET
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no	date	by	description
E	05.15.07		UPDATED FOR 2004 FBC
F	10.02.07		REV. PER BCCO COMMENTS

date: 10-05-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **95-43**
sheet 2 of 6

DIRECT MOUNTS

ANCHOR TYPE	ANCHOR SPACING INCHES			
	UPTD 70 PSF			
	CONC	BLK.	WOOD	METAL
A	6	6	-	-
D	6	6	-	-
E	-	-	6	-
G	-	-	-	6



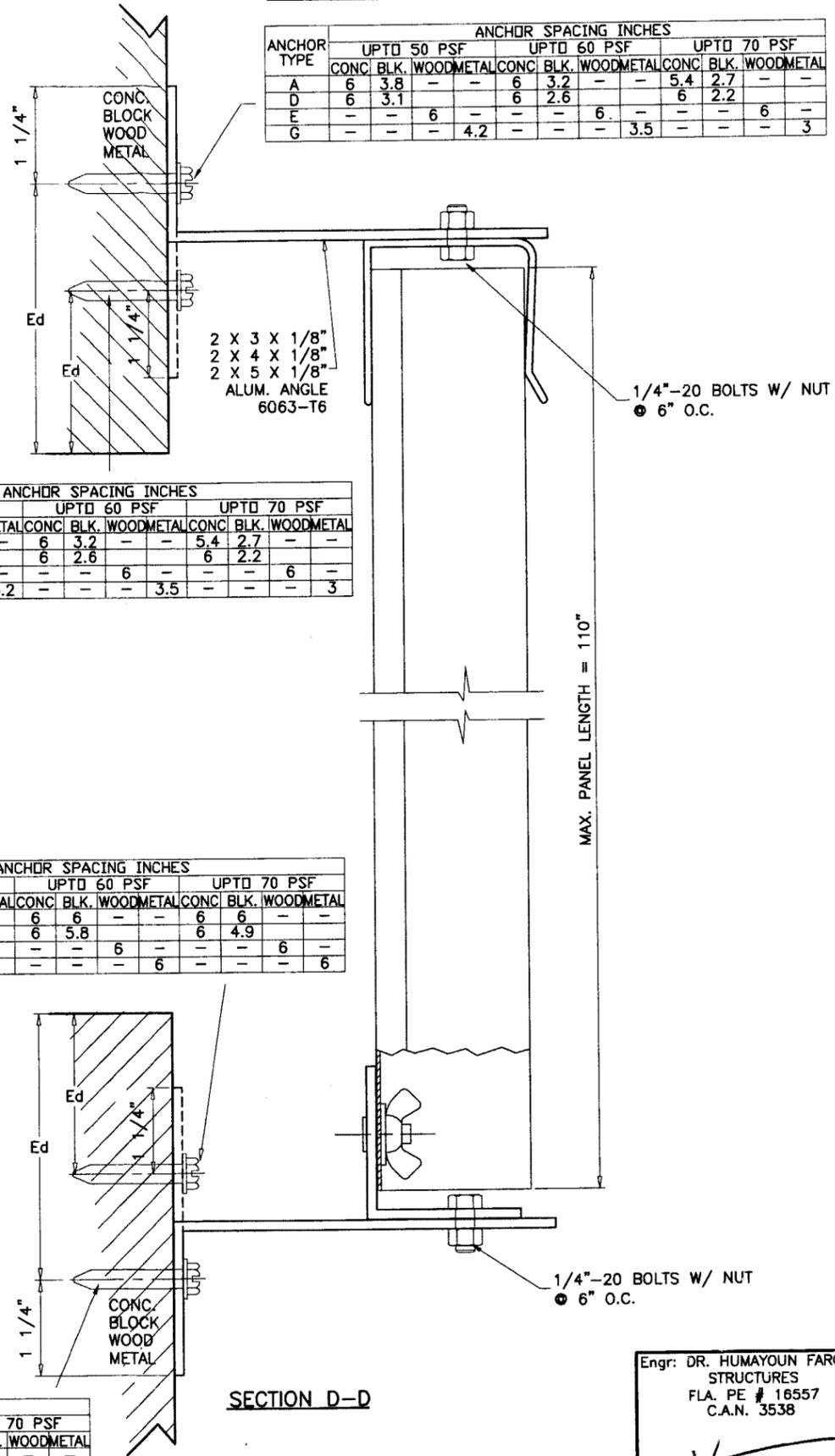
ANCHOR TYPE	ANCHOR SPACING INCHES			
	UPTD 60 PSF		UPTD 70 PSF	
	CONC	BLK.	WOOD	METAL
D	6	6	-	5.8
E	-	-	6	-
G	-	-	-	6

SECTION C-C

ANCHOR TYPE	ANCHOR SPACING INCHES											
	UPTD 50 PSF		UPTD 60 PSF		UPTD 70 PSF							
	CONC	BLK.	WOOD	METAL	CONC	BLK.	WOOD	METAL				
A	6	4.1	-	-	6	3.5	-	-	6	3.1	-	-
D	6	3.3	-	-	6	2.8	-	-	6	2.5	-	-
E	-	-	6	-	-	6	-	-	-	6	-	-
G	-	-	-	4.6	-	-	3.9	-	-	-	-	3.4

BUILT OUT CONDITION

ANCHOR TYPE	ANCHOR SPACING INCHES											
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF					
	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL			
A	6	3.8	-	-	6	3.2	-	-	5.4	2.7	-	-
D	6	3.1	-	-	6	2.6	-	-	6	2.2	-	-
E	-	-	6	-	-	6	-	-	-	-	6	-
G	-	-	-	4.2	-	-	-	3.5	-	-	-	3



ANCHOR TYPE	ANCHOR SPACING INCHES											
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF					
	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL			
A	6	3.8	-	-	6	3.2	-	-	5.4	2.7	-	-
D	6	3.1	-	-	6	2.6	-	-	6	2.2	-	-
E	-	-	6	-	-	6	-	-	-	-	6	-
G	-	-	-	4.2	-	-	-	3.5	-	-	-	3

ANCHOR TYPE	ANCHOR SPACING INCHES											
	UPTD 50 PSF			UPTD 60 PSF			UPTD 70 PSF					
	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL	CONC	BLK.	WOODMETAL			
A	6	6	-	-	6	6	-	-	6	6	-	-
D	6	6	-	-	6	5.8	-	-	6	4.9	-	-
E	-	-	6	-	-	6	-	-	-	6	-	-
G	-	-	-	6	-	-	6	-	-	-	-	6

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

[Signature]
OCT 03 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0606-09
Expiration Date 03/21/2008
By *[Signature]*
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
PANELS/95-43CTC

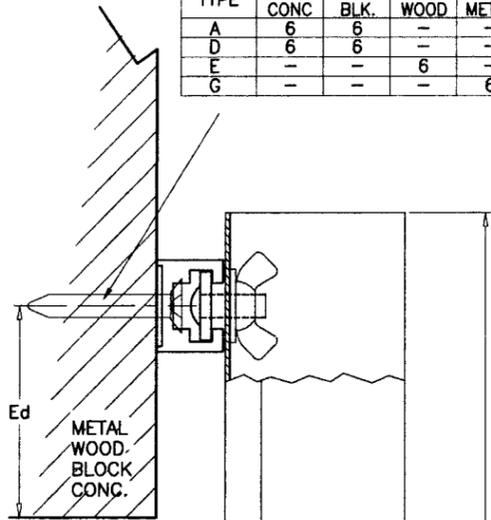
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL. (305) 888-9631 FAX. (305) 888-9969
.062" ALUMINUM STROM PANELS SHUTTER

revisions:

no	date	by	description
E	05.15.07		UPDATED FOR 2004 FBC
F	10.02.07		REV. PER BCCO COMMENTS

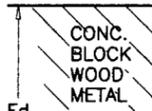
date: 10-05-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. 95-43
sheet 3 of 6

ANCHOR TYPE	ANCHOR SPACING INCHES			
	UPTO 70 PSF			
	CONC	BLK.	WOOD	METAL
A	6	6	-	-
D	6	6	-	-
E	-	-	6	-
G	-	-	-	6



MAX. PANEL LENGTH = 110"

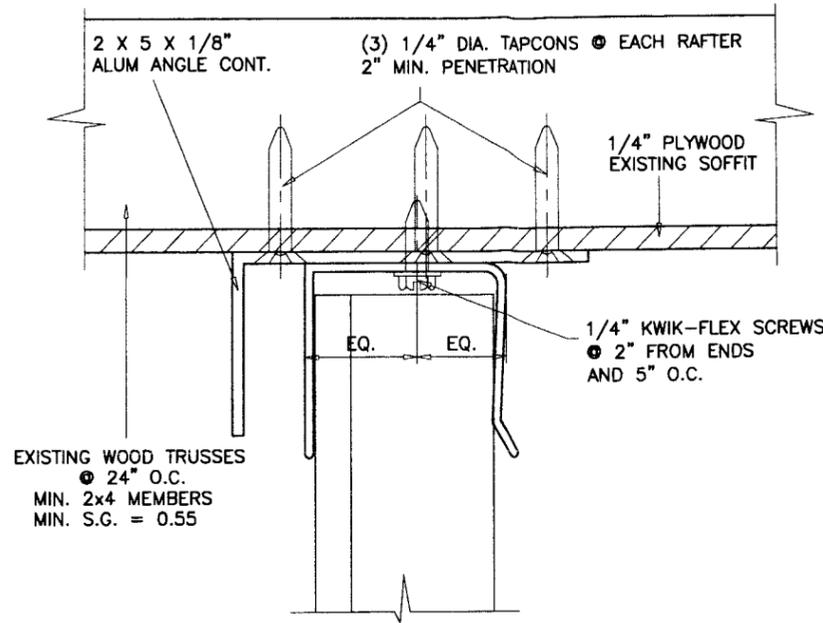
3/4 x 3/4 x 1/8" SQUARE WASHER



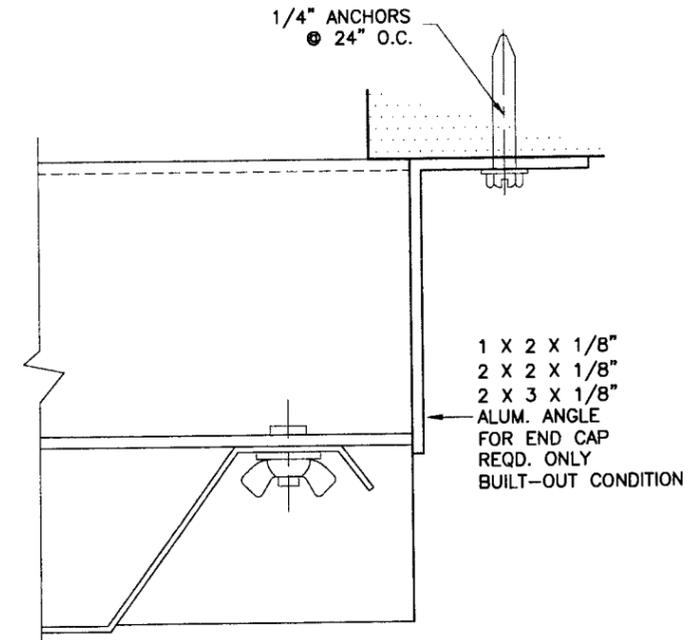
1/4-20 x 3/4" STUDS WITH WING NUT & WASHER @ 6" O.C. TYP.

ANCHOR TYPE	ANCHOR SPACING INCHES							
	UPTO 50 PSF		UPTO 60 PSF		UPTO 70 PSF			
	CONC	BLK.	WOOD	METAL	CONC	BLK.	WOOD	METAL
A	6	6	-	-	6	6	-	-
D	6	6	-	-	6	5.8	-	-
E	-	-	6	-	-	-	6	-
G	-	-	-	6	-	-	-	6

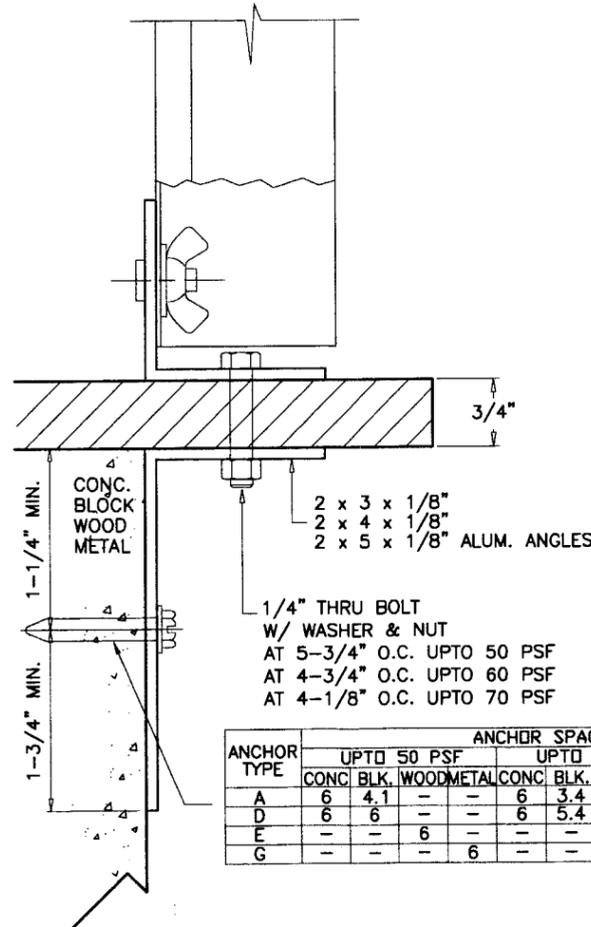
ALT. DIRECT MOUNT



HEADER CONNECTION TO WOOD TRUSSES
FOR SHUTTER HEIGHT OF 110" MAX. DESIGN LOAD = 70 PSF



END CAP BUILT-OUT CONDITION
DETAIL 'A'



COUNTER TOP CONDITION
(PASS THRU WINDOW)
MAX SHUTTER HEIGHT = 6 FT.

ANCHOR TYPE	ANCHOR SPACING INCHES							
	UPTO 50 PSF		UPTO 60 PSF		UPTO 70 PSF			
	CONC	BLK.	WOOD	METAL	CONC	BLK.	WOOD	METAL
A	6	4.1	-	-	6	3.4	-	-
D	6	6	-	-	6	5.4	-	-
E	-	-	6	-	-	-	6	-
G	-	-	-	6	-	-	-	6

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

OCT 03 2007

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 07-0606.09
Expiration Date 03/21/2008
By *Halima A. Miller*
Miami Dade Product Control Division

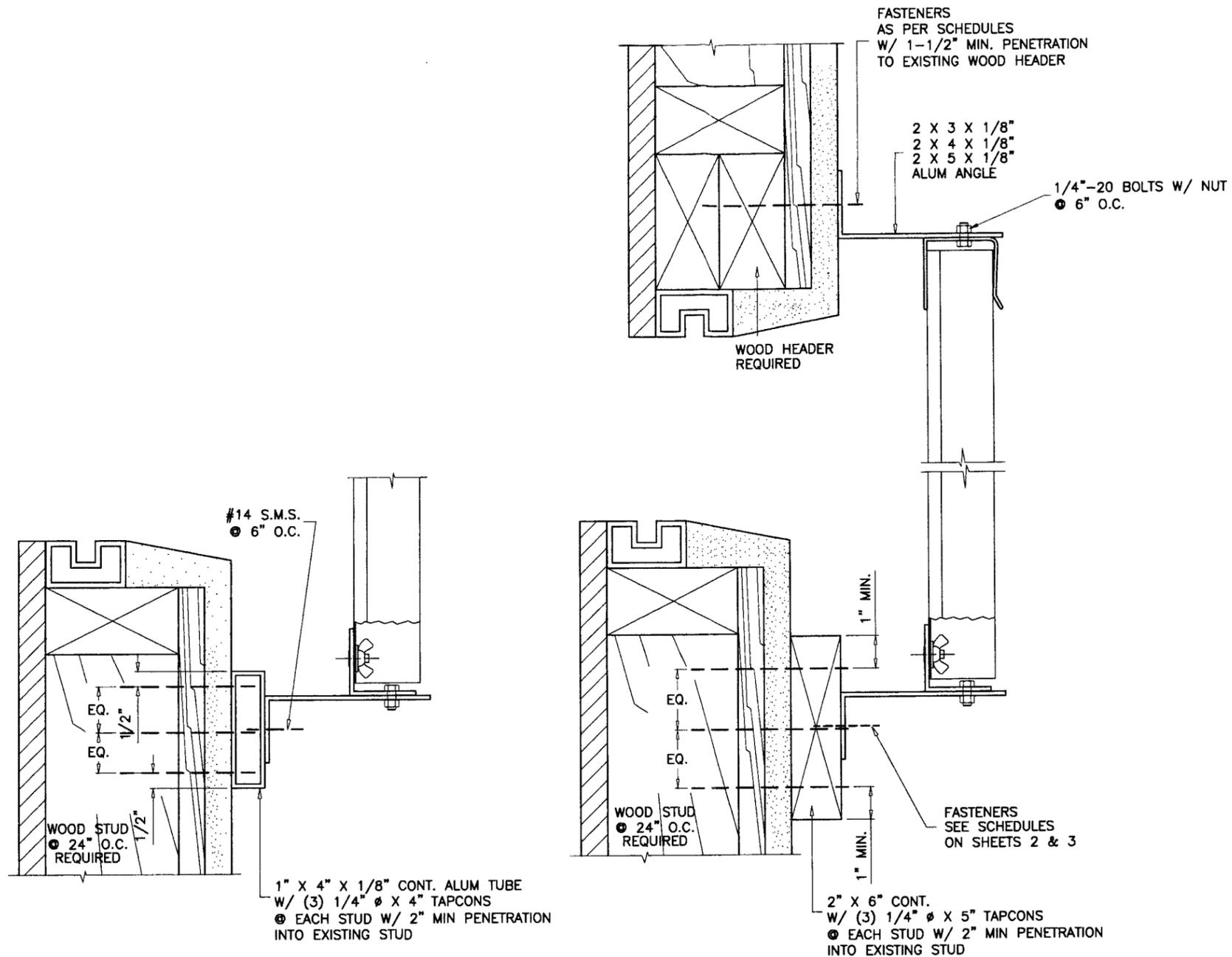
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
PANELS/95-43CTC

.062" ALUMINUM STROM PANELS SHUTTER
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL. (305) 888-9631 FAX. (305) 888-9969

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95-43
sheet 4 of 6



INSTALLATION DETAIL ON EXISTING WOOD STUDS SCALE: 1/4"=1"

FOR SHUTTER HEIGHT OF 110" MAX. DESIGN LOAD = 70 PSF

ABOVE DETAILS SHOWS CONNECTION OF 2X6 BUCK & 1X4 ALUM TUBE TO WOOD STUDS TO PROVIDE A CONTINUOUS SURFACE FOR SHUTTER INSTALLATION.

FOR INSTALLATION DETAILS OF HEADER/SILL TO CONTINUOUS WOOD MEMBERS SEE SHEETS 2 THRU 4.

PRODUCT REVISED
as complying with the Florida
Bidding Code
Acceptance No. 07-0606-09
Expiration Date 6/30/2008
By *Helmy A. Helmy*
Miami Dade Product Control
Division

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

OCT 08 2007

af c
AL-FAROOQ CORPORATION
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PANELS/95-43CTC

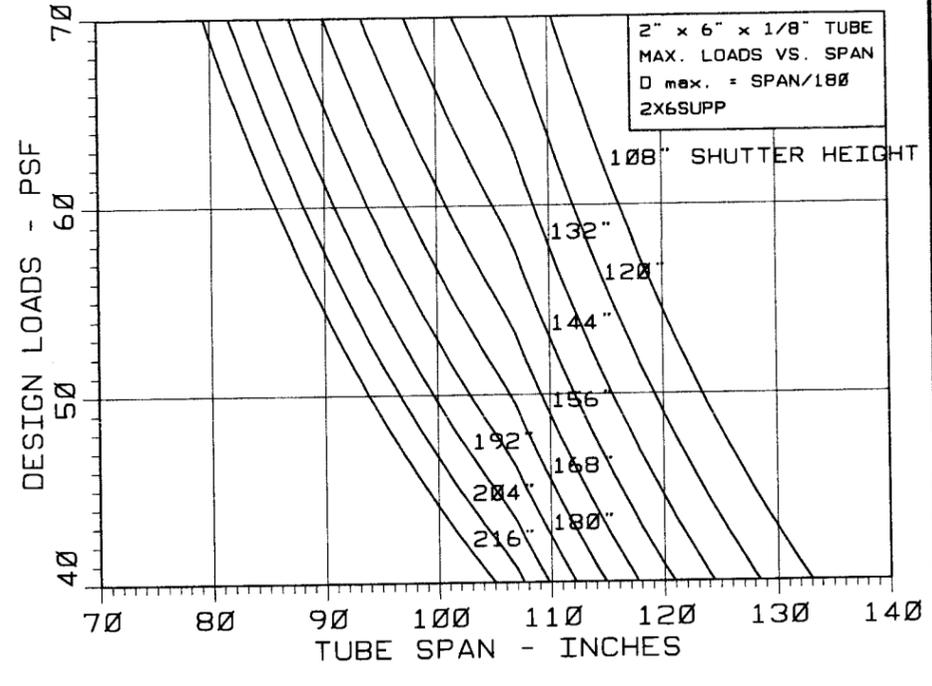
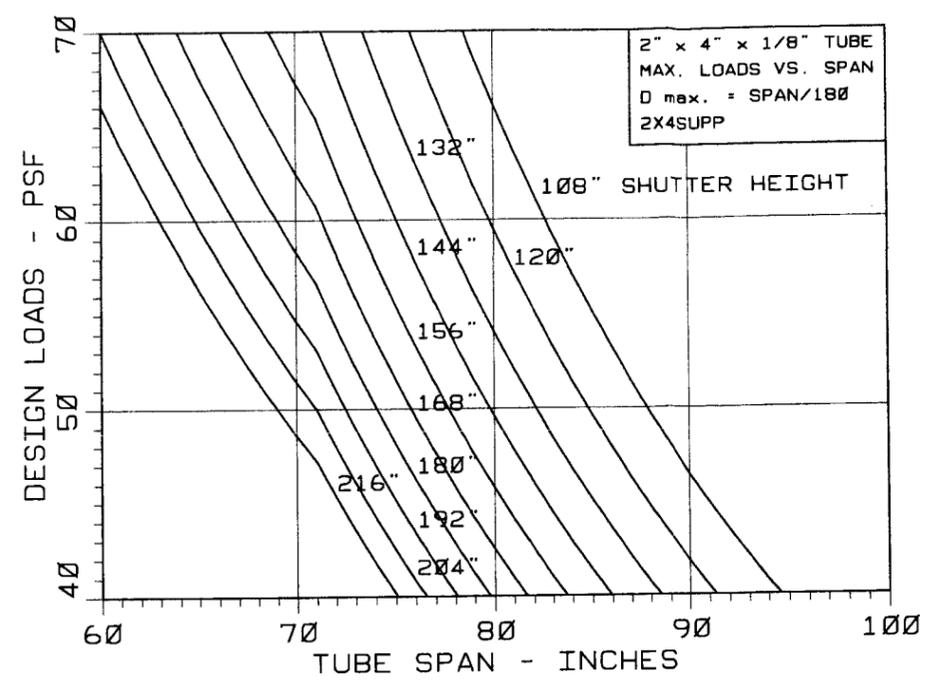
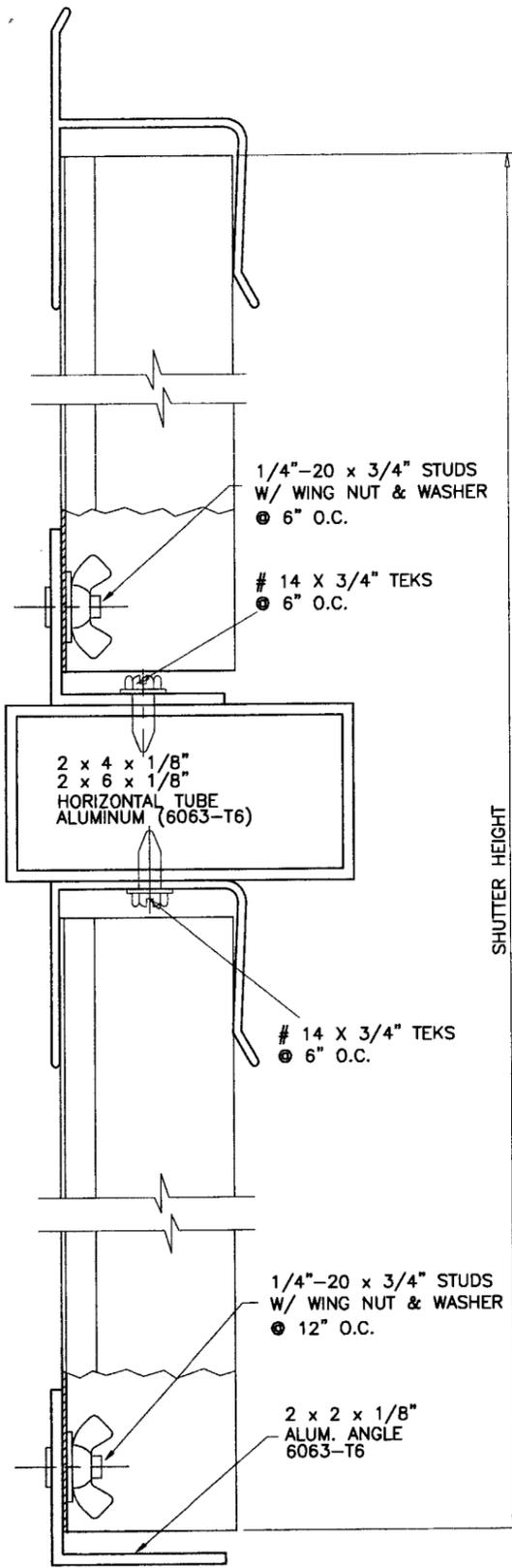
.062" ALUMINUM STROM PANELS SHUTTER
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
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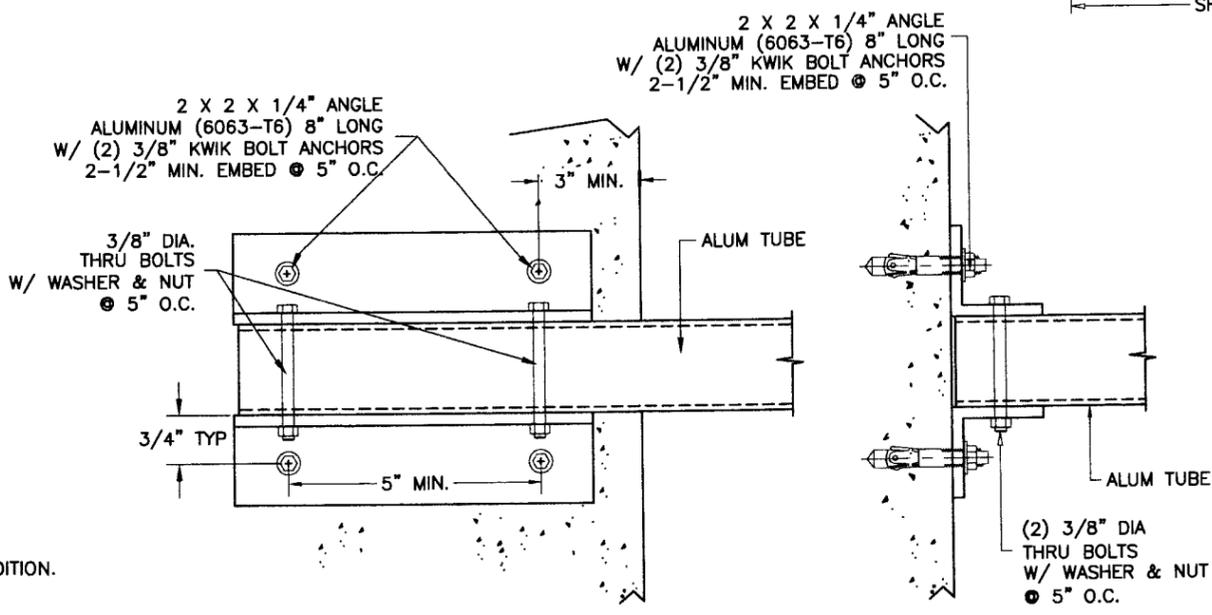
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drawing no.
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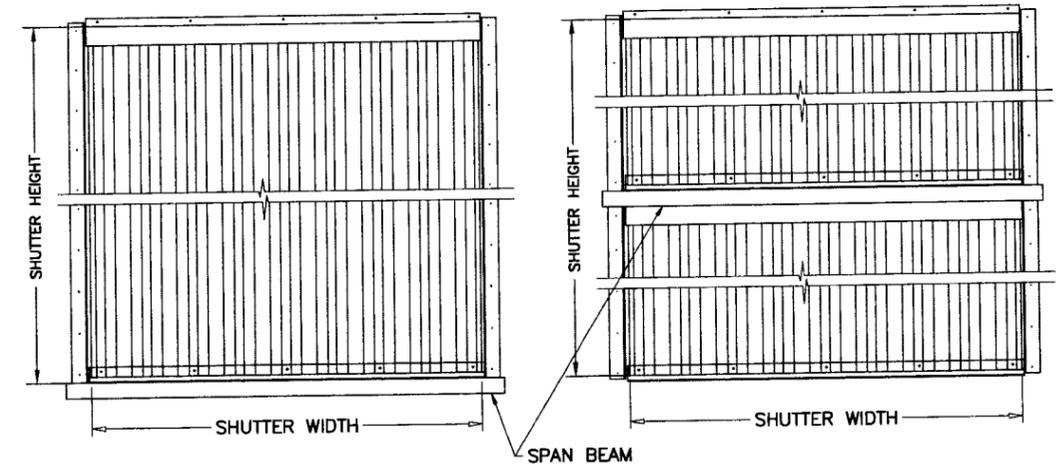
sheet 5 of 6



FOR HEAD & SILL COMBINATIONS
SEE TYPICAL DETAILS AND SCHEDULES
 END CLOSURE ANGLE REQD. ONLY ON BUILT-OUT CONDITION.



TUBE CONNECTION TO WALL OR FLOOR/CEILING
 SCALE : 1/4"=1"



TYPICAL ELEVATION
 TUBES MAY BE USED VERTICALLY FOR HORIZONTAL PANEL INSTALLATION.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 07-0606-09
 Expiration Date 03/21/2008
 By: *Helmut H. Mader*
 Miami Dade Product Control Division

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

[Signature]
 OCT 03 2007

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 PANELS/95-43CTC

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