



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Boston Valley Pottery, Inc.
6860 South Abbott Road
Orchard Park, NY 14127

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: TerraClad Wall Panel System

APPROVAL DOCUMENT: Drawings No. **08-06**, titled "TerraClad Rainscreen Cladding System", sheets 1 through 7 of 7, dated 05/09/08, with revision A dated 12/16/08, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 6/10/09

NOA No. 08-1014.03
Expiration Date: July 01, 2014
Approval Date: July 01, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawings No. **08-06**, titled "TerraClad Rainscreen Cladding System", sheets 1 through 7 of 7, dated 05/09/08, with revision A dated 12/16/08, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of one Series/Model Terra Clad (11 gauge), Terra Cotta Panel System, prepared by Architectural Testing, Inc., Test Report No. **74389.01-109-18**, dated 04/07/08, signed and sealed by Michael D. Stremmel, P.E.
2. Test report on Standard Specification for Clay Roof Tiles per ASTM C 1167-03 and Standard Test Methods for Sampling and Testing Brick and Structural Clay per ASTM C 67-07 of TerraClad smooth-face, glazed, Terra Cotta Panels, Report No. **73688.01-106-18**, dated 12/10/07, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchorage, deflection and stress calculations, prepared by Al-Farooq Corporation, dated 06/07/08, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance and no financial interest, issued by Al-Farooq Corporation, dated 06/03/09, signed and sealed by L. David Rice, P.E.
2. Change of engineer letter issued by Al-Farooq Corporation, dated 06/03/09, signed and sealed by Arshad Viqar, P.E.



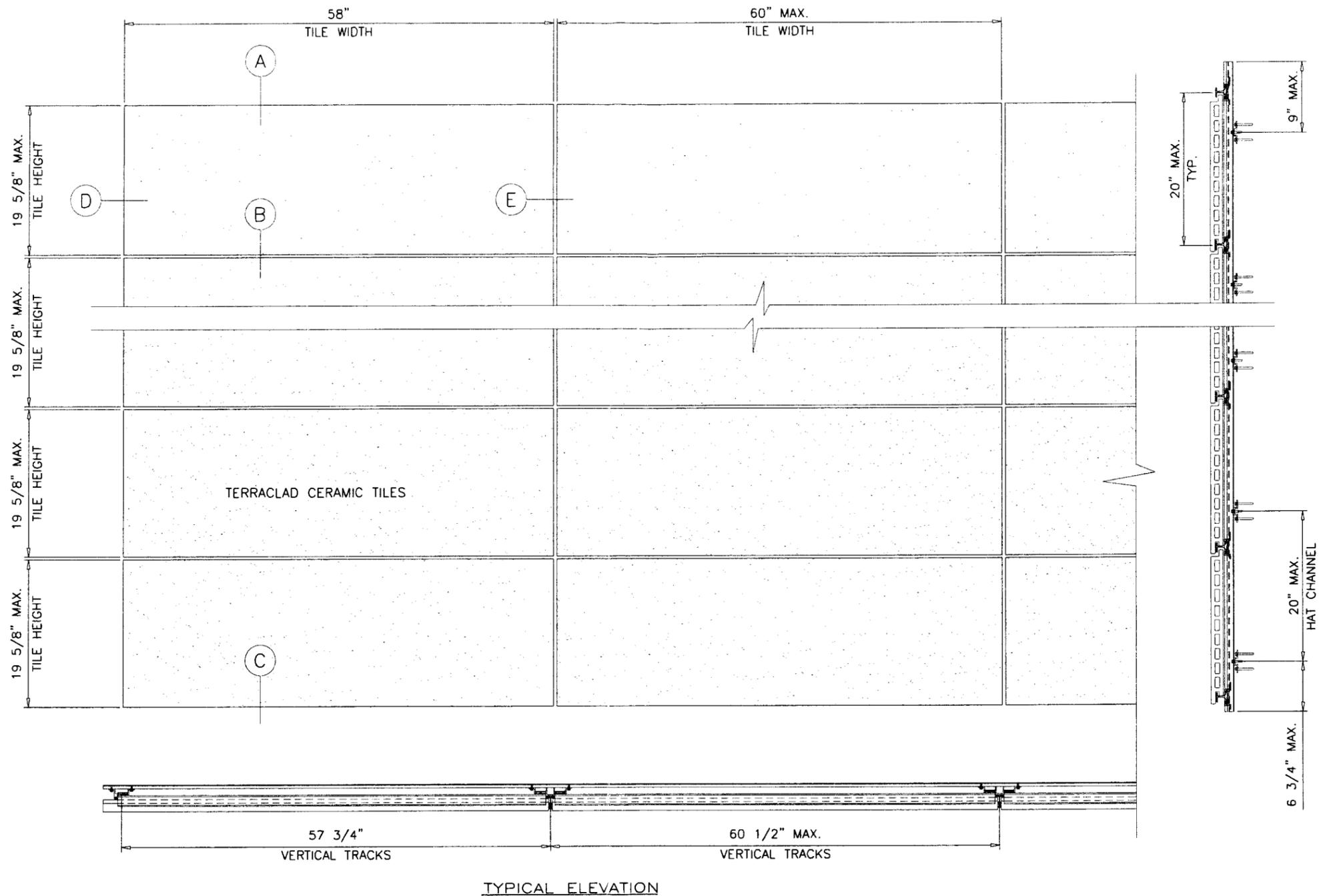
Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 08-1014.03

Expiration Date: July 01, 2014

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TYPICAL ELEVATION

TERRACLAD RAINSCREEN CLADDING SYSTEM

TERRACOTTA TILES ANCHORED TO SHEAR WALLS AS EXTERIOR CLADDING.

APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS

MAX. DESIGN LOAD = + 80.0 PSF
- 80.0 PSF

- MAX. HAT CHANNEL SPACING = 20 IN.
- MAX. ATTACHMENT CLIP SPACING = 20 IN.
- MAX. VERTICAL TRACK SPACING = 60 IN.
- MAX. TILE SIZE = 20" HIGH X 60" WIDE

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr. ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538

Arshad

JUN 04 2009

Approved as complying with the Florida Building Code
Date: 07/01/09
MOA#: 08-1014.03
Miami Dade Product Control
Division

By: *Arshad*

af c

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

TERRACLAD RAINSCREEN CLADDING SYSTEM

BOSTON VALLEY POTTERY INC.
6860 SOUTH ABBOTT ROAD
ORCHARD PARK, NY. 14127
TEL. (716) 649-7490 FAX. (716) 649-7688

no.	date	by	description
A	12.16.08	REV. PER BCCO	COMMENTS

revisions:

date: 05-09-08
scale: 3/4" = 1'-0"
dr. by: HAMD
chk. by:

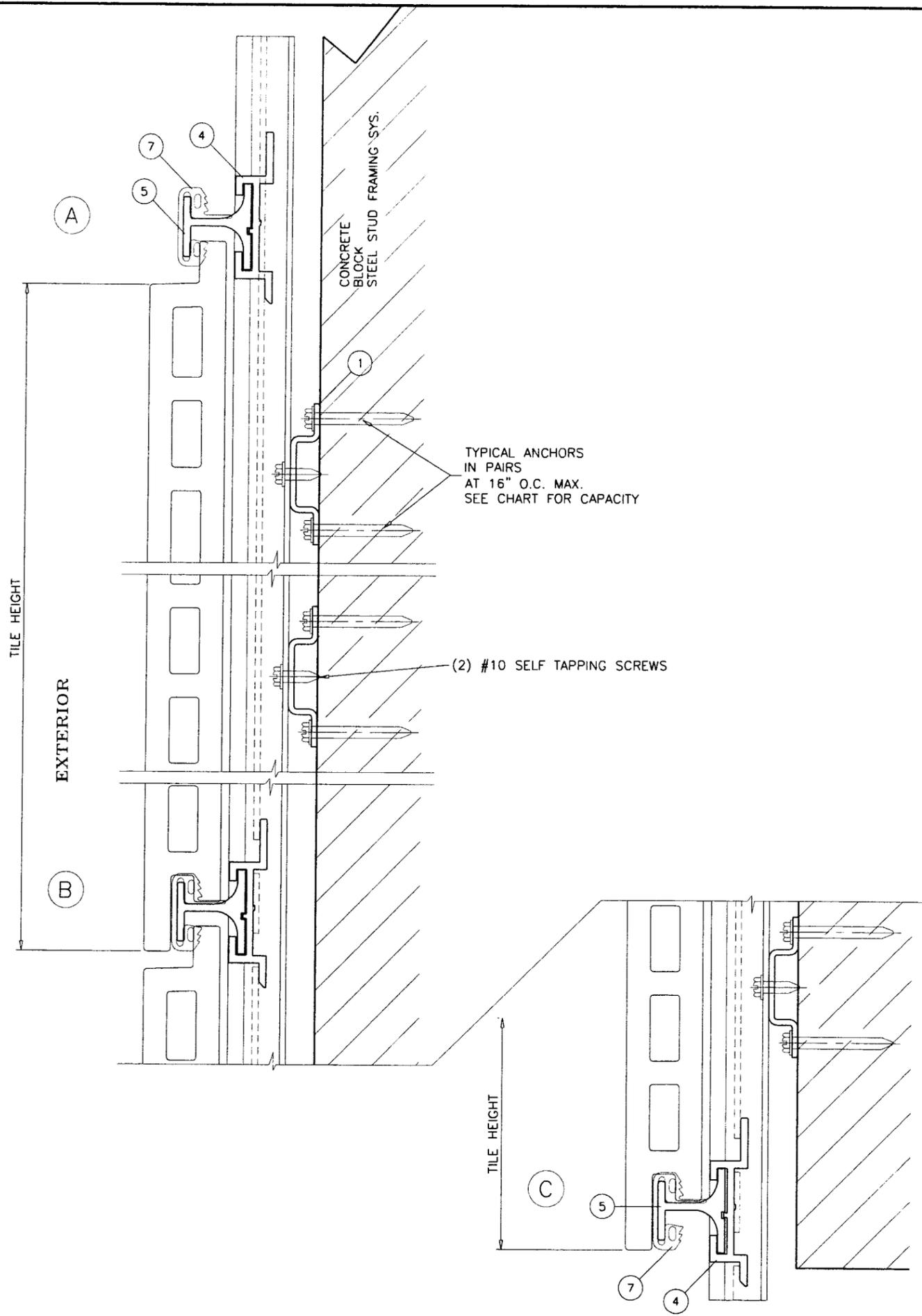
drawing no. **08-06**
sheet 1 of 7

STORE\08-06BVT

METAL STRUCTURES NOT BY BOSTON VALLEY TERRA COTTA, MUST SUSTAIN LOADS IMPOSED BY CLADDING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

afc
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TYPICAL ANCHORS:

- TYPE 'A' #10 SMS OR SELF DRILLING SCREWS**
 INTO WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
- TYPE 'B' #10 SMS OR SELF DRILLING SCREWS**
 INTO METAL STUDS WITH WOOD BACKING
 3/4" MIN. PENETRATION INTO WOOD BACKING
- TYPE 'C' 1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)**
 DIRECTLY INTO MASONRY OR CONCRETE
 1-1/4" MIN. EMBED INTO MASONRY OR CONCRETE

TYPICAL EDGE DISTANCE

- INTO CONCRETE AND MASONRY = 3" MIN.
- INTO WOOD STRUCTURE = 1/2" MIN.
- INTO METAL STRUCTURE = 1/2" MIN.
- CONCRETE f'c = 3000 PSI MIN.
- MASONRY f'm = 1500 PSI MIN.

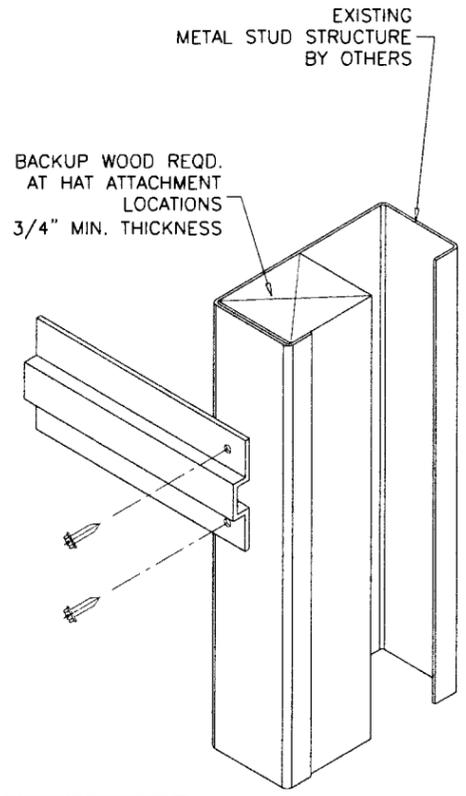
DESIGN LOAD CAPACITY - PSF
 ANCHOR TYPE 'C'
 2 ANCHORS AT HAT CHANNEL

PANEL HEIGHTS	PANEL WIDTHS			
	24"	36"	48"	60"
10	80	80	80	80
12	80	80	80	80
14	80	80	80	70
16	80	80	76	61
18	80	80	67	54
20	80	80	60	48

DESIGN LOAD CAPACITY - PSF
 ANCHOR TYPE 'C'
 4 ANCHORS AT HAT CHANNEL

PANEL HEIGHTS	PANEL WIDTHS			
	24"	36"	48"	60"
10	80	80	80	80
12	80	80	80	80
14	80	80	80	80
16	80	80	80	80
18	80	80	80	80
20	80	80	80	80

CHARTS ABOVE SHOWS CAPACITY OF ANCHOR TYPE 'C'
 CAPACITY FOR ANCHOR TYPES 'A' & 'B' = ±80 PSF FOR ALL SIZES.



Engr. ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538
 JUN 04 2009

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 NOA# 08-1014-03
 Miami Dade Product Control
 Division
 By [Signature]

revisions:

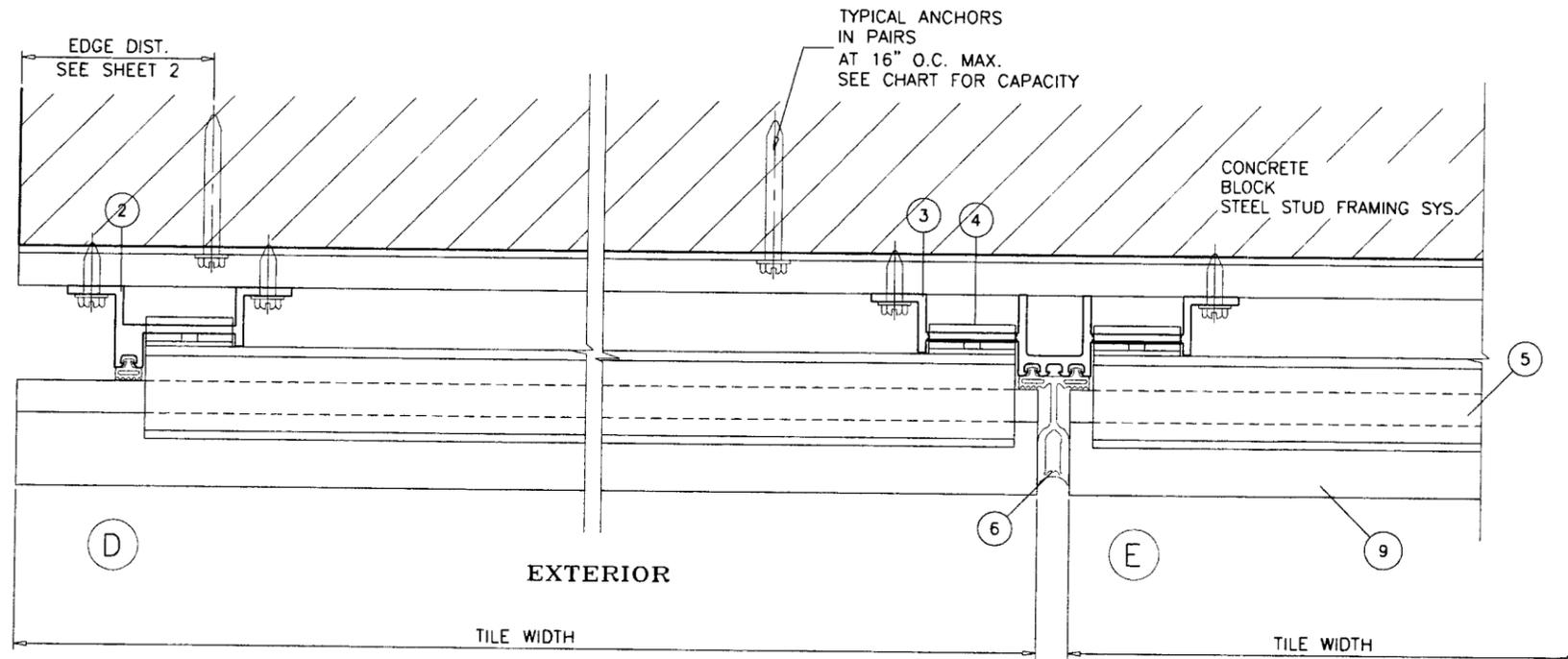
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A	12.16.08		REV. PER BCCO COMMENTS

date: 05-09-08
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. 08-06
 sheet 2 of 7

ITEM NO.	PART NUMBER	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	1.63 LBS/FT.	AS REQD.	ROLL FORMED HAT CHANNEL	STEEL	-
2	ET-L	0.769 LBS/FT.	AS REQD.	VERTICAL END TRACK	ALUMINUM	-
3	T	1.156 LBS/FT.	AS REQD.	VERTICAL CENTER TRACK	ALUMINUM	-
4	CCB	1.032 LBS/FT.	AS REQD.	ATTACHMENT CLIP	ALUMINUM	-
5	CCI	0.898 LBS/FT.	AS REQD.	HORIZONTAL TRACK (CONT. CLIP)	6105-T5	-
6	TR-L	0.248 LBS/FT.	AS REQD.	1-1/8" CUSTOM SHAPED HOLLOW BULB VERTICAL SEAL	SILICONE	-
7	IS	0.058 LBS/FT.	AS REQD.	1-1/2" CUSTOM SHAPED HOLLOW BULB WRAP-AROUND HORIZONTAL SEAL	SILICONE	-
8	CB	0.247 LBS/FT.	AS REQD.	CUSTOM SHAPED HOLLOW BULB VERTICAL END SEAL	SILICONE	-
9	TC	16.0 LBS/SQ. FT.	AS REQD.	TERRA COTTA PANEL	-	-
10	-	1.19 LBS/FT.	AS REQD.	HORIZONTAL EDGE CLOSURE	ALUMINUM	-
11	-	1.9 LBS/FT.	AS REQD.	VERTICAL END CLOSURE	ALUMINUM	-
12	-	0.837 LBS/FT.	AS REQD.	CORNER ANGLE	ALUMINUM	-

ASTM C 1167-03 Standard Specification for Clay Roof Tiles
(with modification as required to ASTM C 67) DATA

TEST	RESULT
5 Hour Cold Water Absorption	6.1%
24 Hour Cold Water Absorption	6.3%
1 Hour Boiling Water Absorption	8.8%
2 Hour Boiling Water Absorption	8.8%
5 Hour Boiling Water Absorption	9.5%
Freeze/Thaw	No Breakage or Cracking with +0.7% Change
Wet Transverse Strength	1,031 lbs.
Efflorescence	No Change - "Not Effloresced"
Permeability	No water droplets have fallen from the underside of the tile.



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JUN 04 2009

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NOA# 08-1014.03
Miami Dade Building Control
Division
By: *[Signature]*

afc

AL-FAROOQ CORPORATION
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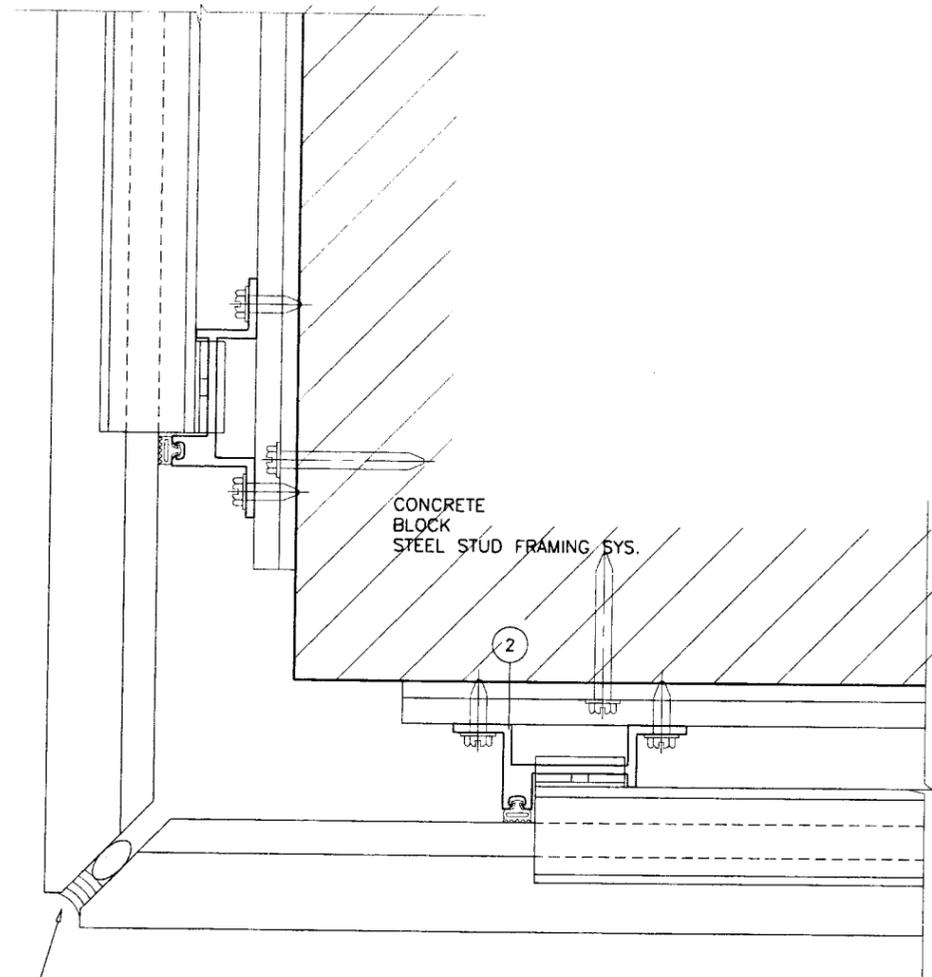
STORE\08-06BVT

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dr. by:	HAMID
chk. by:	

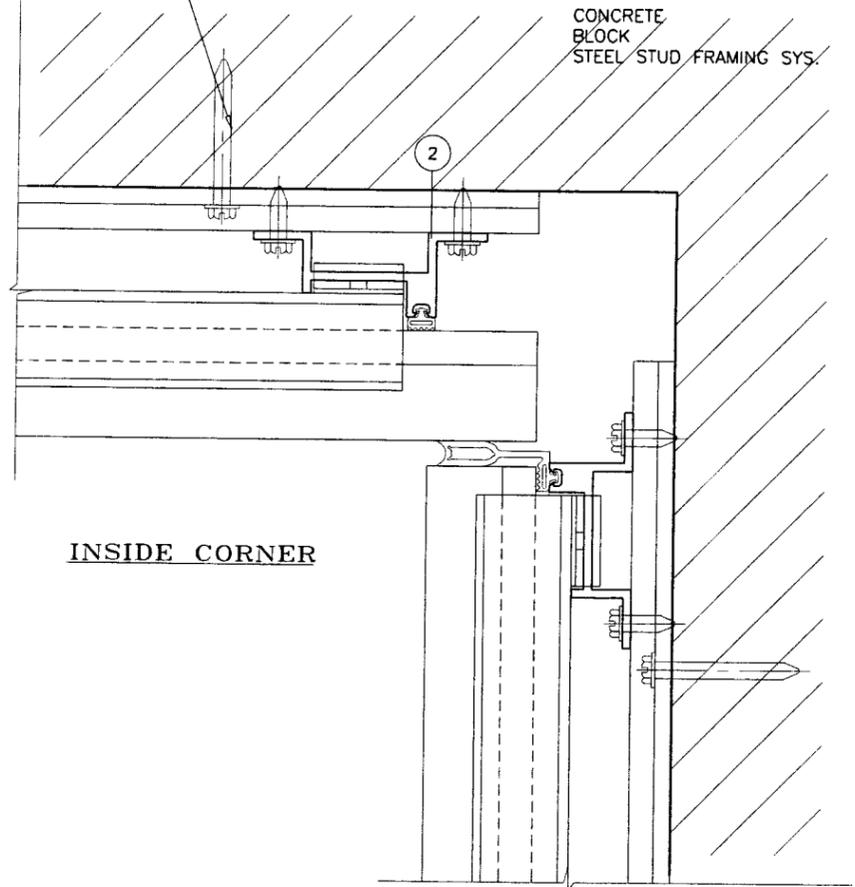
drawing no.
08-06
sheet 3 of 7



OUTSIDE CORNER

FACTORY MITERED TILES
SEALANT W/ BACKER ROD

TYPICAL ANCHORS
IN PAIRS
AT 16" O.C. MAX.
SEE CHART FOR CAPACITY



INSIDE CORNER

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Arshad Viqar

JUN 04 2009

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Date 07/01/2009
NOA# 08-1012-03
Miami Dade Product Control
Division Product Control
By Arshad Viqar

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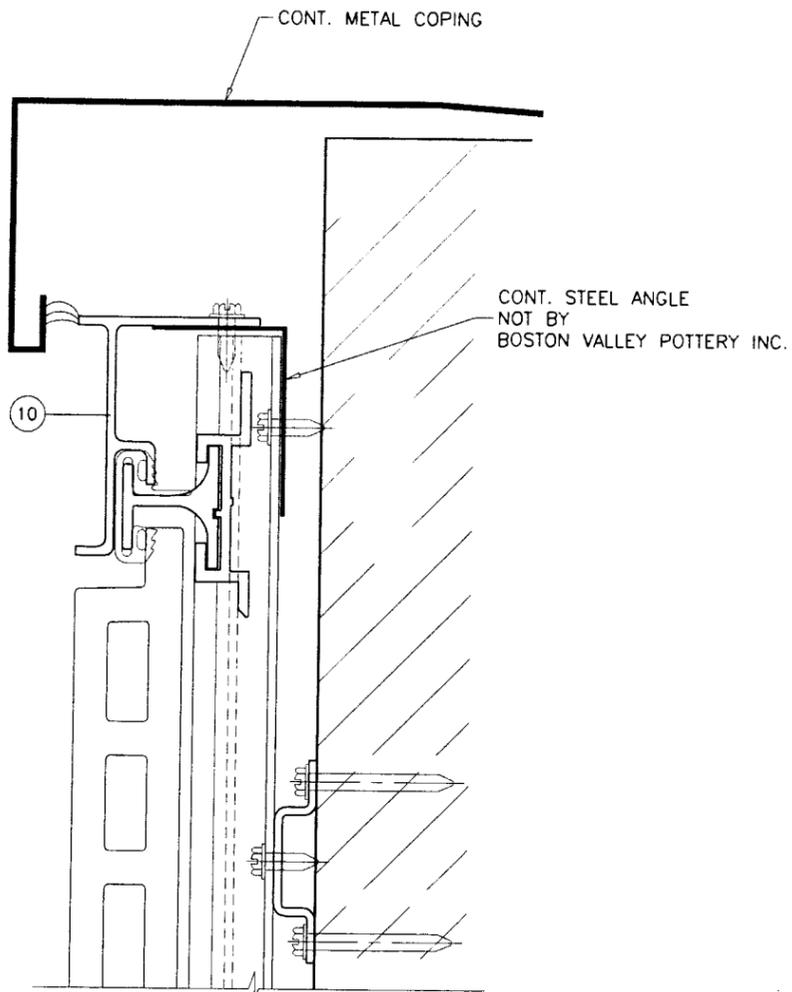
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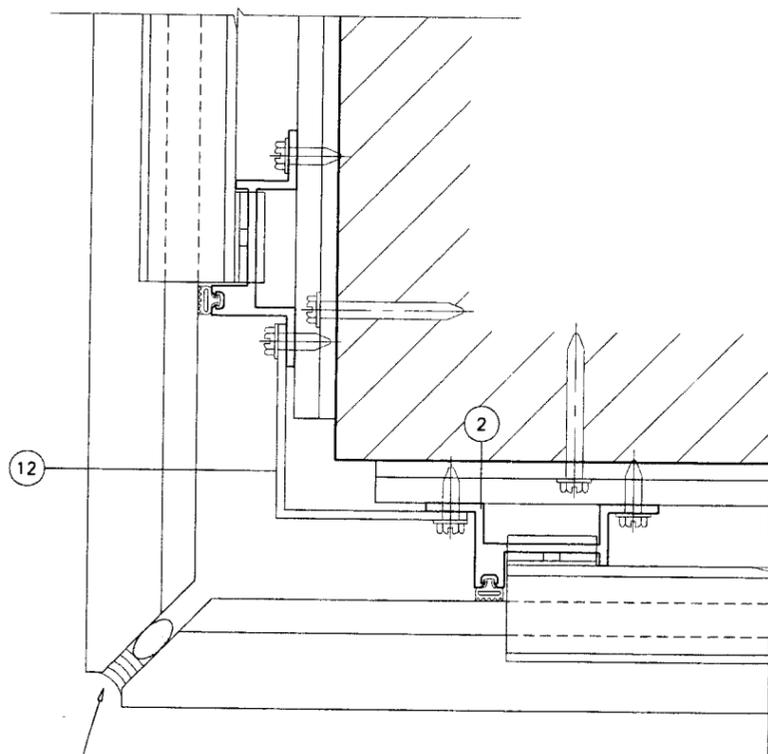
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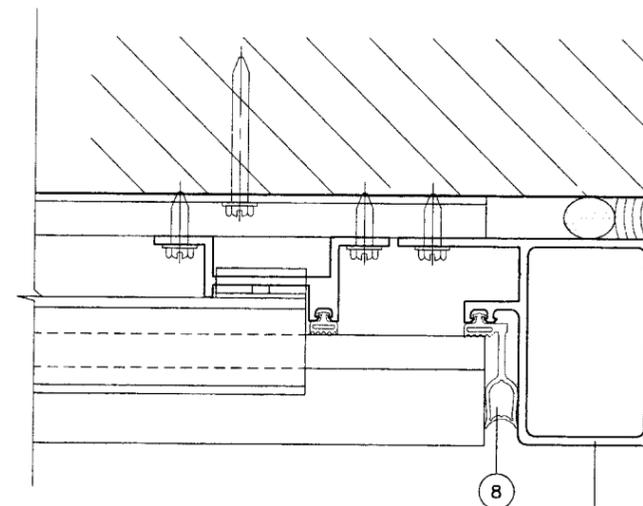
drawing no.
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sheet 4 of 7



**TOP
CLOSURE DETAIL**



**OUTSIDE CORNER
CLOSURE DETAIL**



**SIDE
CLOSURE DETAIL**

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Miami Dept. Product Control
By: *[Signature]*

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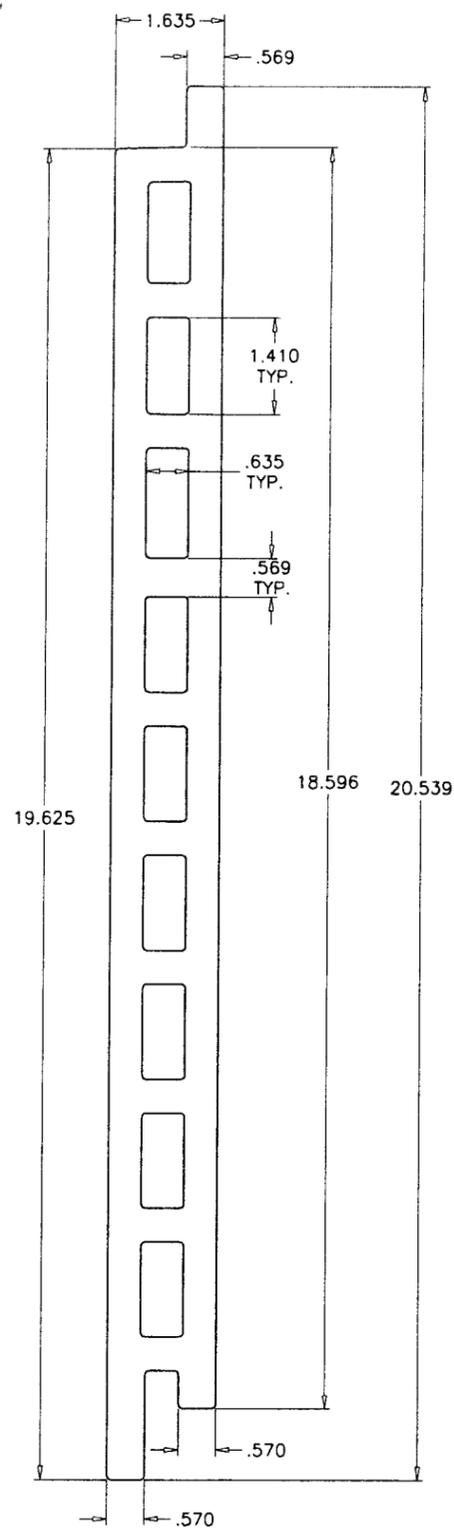
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chk. by:

drawing no.
08-06

sheet 5 of 7

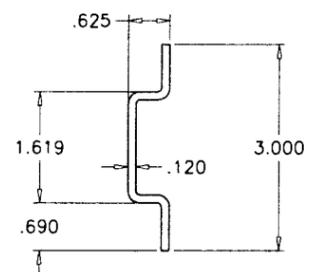
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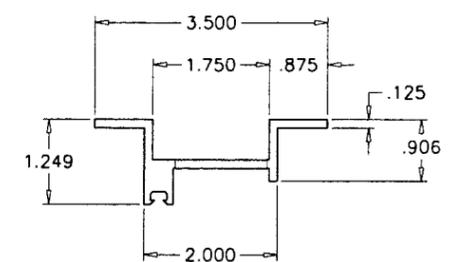
- 20"H X 60"W (SHOWN)
 18"H X 60"W
 16"H X 60"W
 14"H X 60"W
 12"H X 60"W
 10"H X 48"W
 9"H X 36"W
 8"H X 36"W
 6"H X 36"W

TERRACOTTA TILE
 PANEL PROFILE

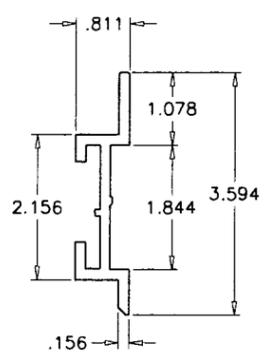
1 HAT CHANNEL



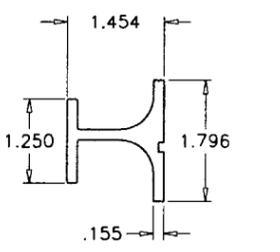
2 VERTICAL END TRACK



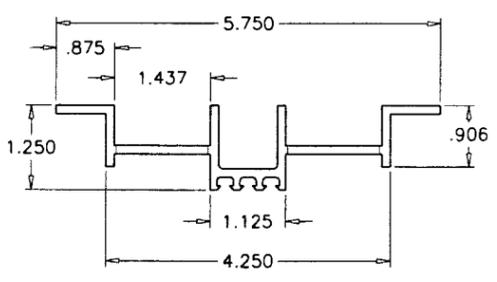
4 ATTACHMENT CLIP



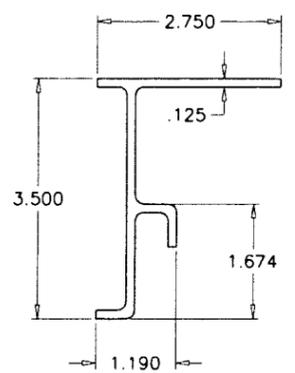
5 HORIZONTAL TRACK



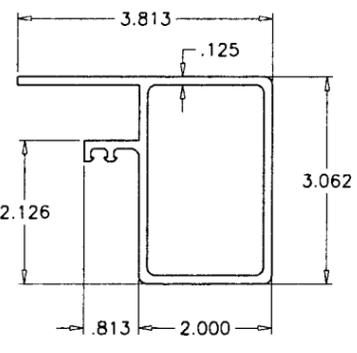
3 VERTICAL CENTER TRACK



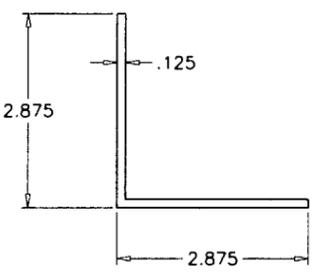
10 HORIZONTAL EDGE CLOSURE



11 VERTICAL END CLOSURE



12 CORNER ANGLE



Engr: ARSHAD VIQAR
 CIVIL
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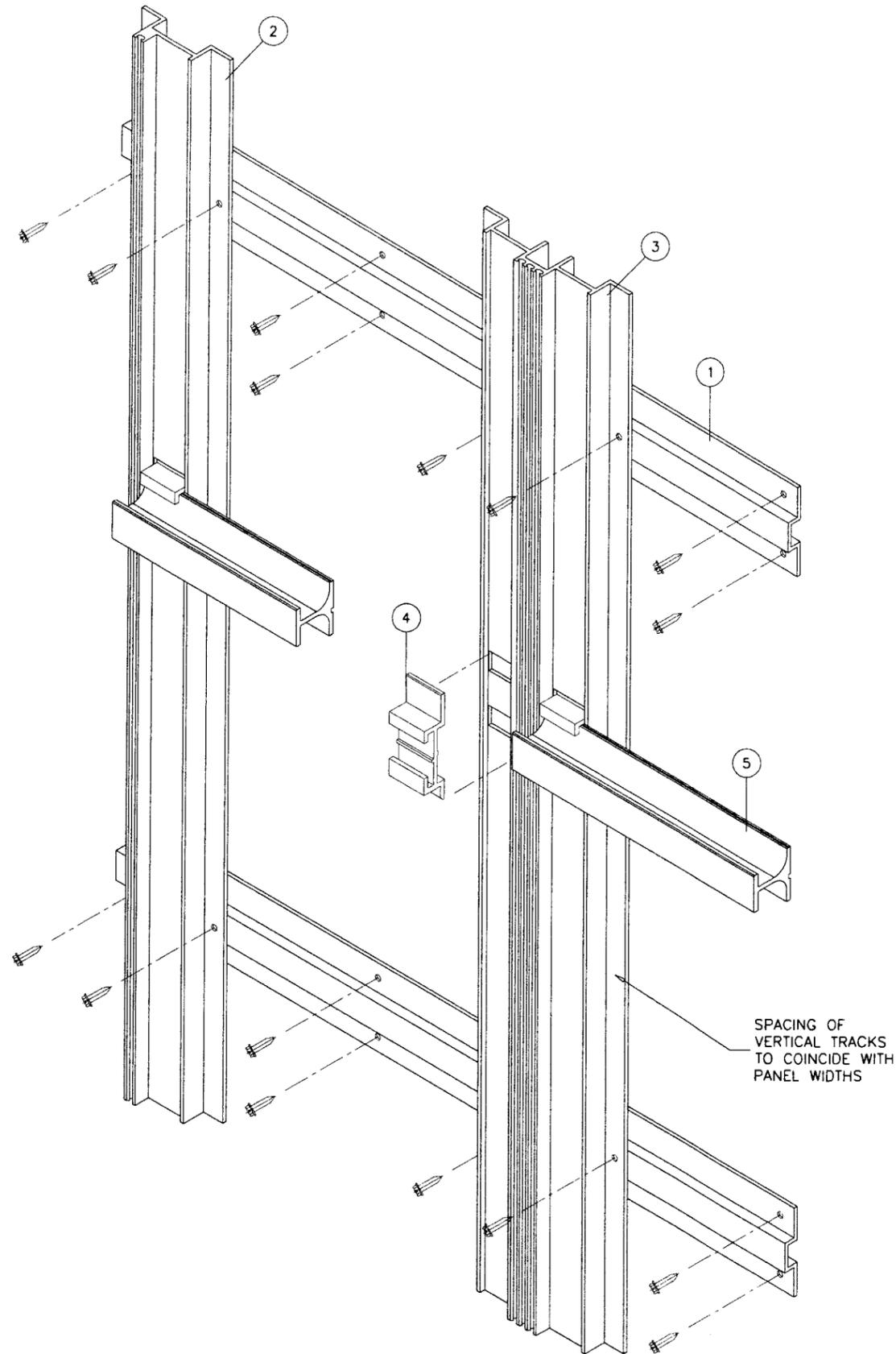
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 Division: *[Signature]*

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date: 05-09-08
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 chk. by:
 drawing no. 08-06
 sheet 6 of 7



METHOD OF INSTALLATION:

- STEP 1** ATTACH HAT CHANNELS TO BUILDING STRUCTURE WITH APPROPRIATE ANCHORS.
- STEP 2** ATTACH VERTICAL SUPPORT TRACKS TO HAT CHANNELS WITH SCREWS.
- STEP 3** SLIDE BOTTOM HORIZONTAL TRACK IN ATTACHMENT CLIPS.
- STEP 4** INSERT ATTACHMENT CLIPS IN PRECUT HOLES IN VERTICAL TRACKS.
- STEP 5** SET TERRACOTTA TILES IN HORIZONTAL TRACK.
- STEP 6** SLIDE TOP HORIZONTAL TRACK IN ATTACHMENT CLIPS.

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