



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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Imola Marketing & Services, Inc.
306 Alcazar Avenue #301
Coral Gables ,FL 33134

Your application for Notice of Acceptance (NOA) of:

Exterior Porcelain Cladding System

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0606.08
EXPIRES: 12/20/2006

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/20/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This approves an exterior porcelain cladding system, as described in Section 2 of this Notice of Acceptance. It is designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the load requirements, as determined by SFBC Chapter 23, do not exceed the design load values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

The **IES2 Exterior Porcelain Cladding System** with porcelain stoneware tiles and its components shall be constructed in strict compliance with the following documents: Drawing No. 00-32, titled "Exterior Porcelain Cladding System", prepared by Al-Faros Corporation, dated 12/26/00 with last revision on 09/24/01, sheet 1 through 3 of 3. It bears 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All fasteners and components must be protected against corrosion, contamination and damage at all time.

4. INSTALLATION

4.1 The Aluminum Composite Wall Panel and its components shall be installed in strict compliance with the approved drawings.

4.2 The installation of this system **will not require** Hurricane Protection System if installed in front of a concrete wall a concrete block wall or 5/8" (5 ply) plywood supported by studs at a maximum of 16" on center. The walls behind shall be designed a qualified professional.

5. 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance, including duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.2 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Candido Font P.E.-Senior Product Control Examiner
Product Control Division

Cooperativa Ceramica D'Imola.

ACCEPTANCE No: 01-0606.08

APPROVED: DEC 20 2001

EXPIRES: DEC 20 2006

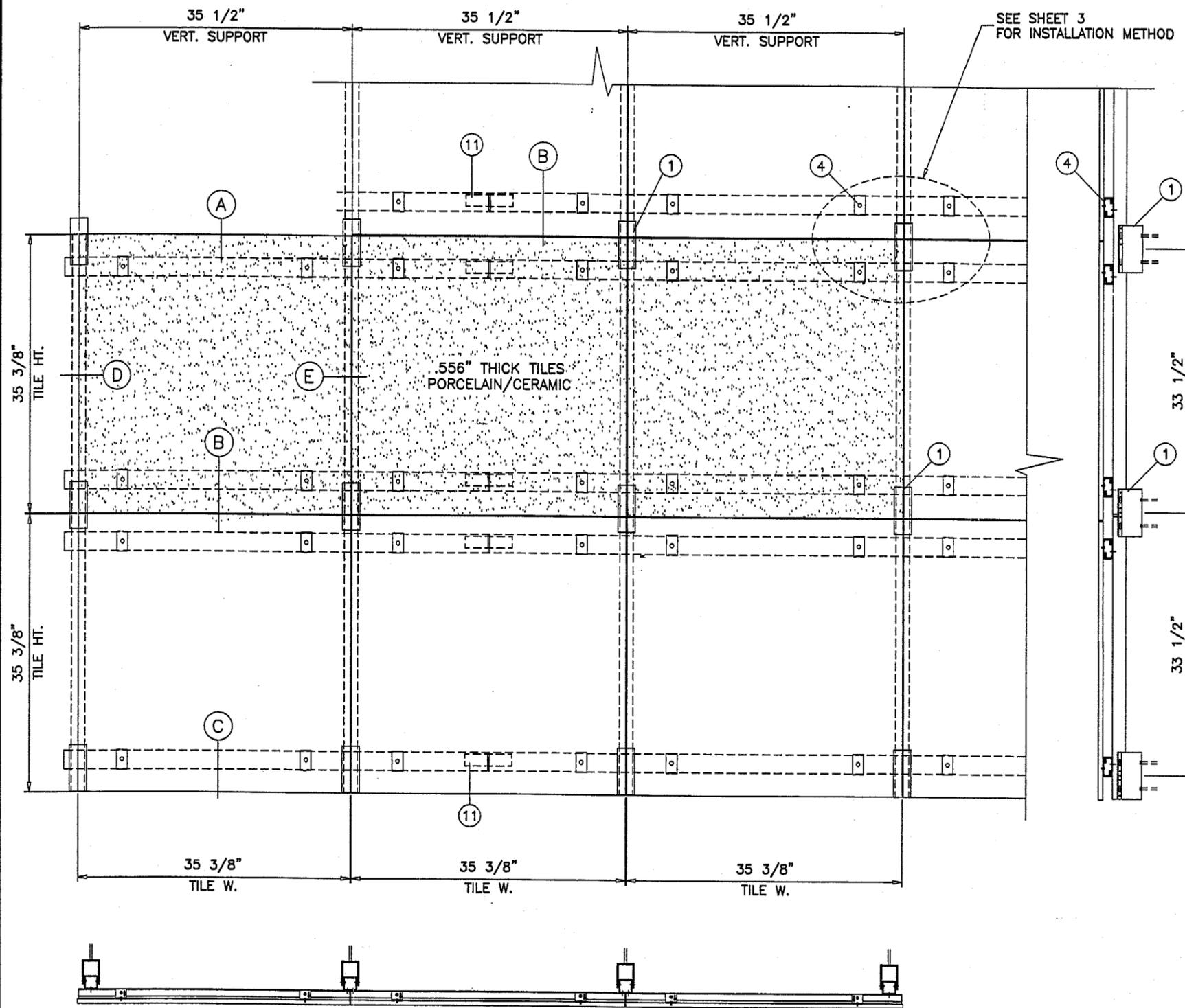
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



Candido Font P.E.- Senior Product Control Examiner
Product Control Division



TYPICAL ELEVATION

IES2-EXTERIOR PORCELAIN CLADDING SYSTEM

PORCELAIN TILES ARE ANCHORED TO SHEAR WALLS AS EXTERIOR CLADDING USING COUNTER SUNK HOLES IN THE BACK OF TILES AND EXPANSION PLUGS.

C-BRACKETS (PART #4) ARE CONNECTED TO THE TILES AND SUPPORTED BY A SYSTEM OF HORIZ. RAILS (PART #3) AND VERTICAL TUBES (PART #2). VERTICAL TUBES ARE ANCHORED TO EXISTING STRUCTURE USING U-BRACKETS (PART #1).

APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS

MAX. DESIGN LOAD = + 53.0 PSF
- 72.0 PSF

MAX. VERTICAL SUPPORT SPACING = 35-1/2"
MAX. WALL BRACKET SPACING = 33-1/2"
MAX. TILE SIZE = 35-3/8" X 35-3/8"

THESE PRODUCTS ARE DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

PRODUCT DESCRIPTION

Porcelain stoneware tiles are manufactured by wet grinding selected raw materials followed by partial drying by spraying. Resulting mixture is cured in silo-storages to homogenize, then pressed to required shape and size by hydraulic presses under 7000 p.p.i. uniform pressure.

The panel is then fired in rolling kilns in excess of 2100° f. resulting in highly compacted product with water absorption lower than 0.1% (UNIEN 99), with high breaking strength with average value exceeding 50 n/mm² (UNIEN 1000-ASTM C684), and min. hardness of 6 according to MOHS scale (UNIEN 101).

Porcelain stoneware tiles has a deep abrasion resistance equal to 140 mm³ loss of material exceeding 205 mm³ required by the UNIEN 102 standard.

The impervious body is frost-proof and rated BI UGL class, according to the European Standard UNIEN 176 and BLA GL according to the Standard ISO PROJECT 10545/3 (water absorption lower than 0.5%).

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **DEC 20 2001**
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0606.08

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

OCT 01 2001

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 00-32IMS

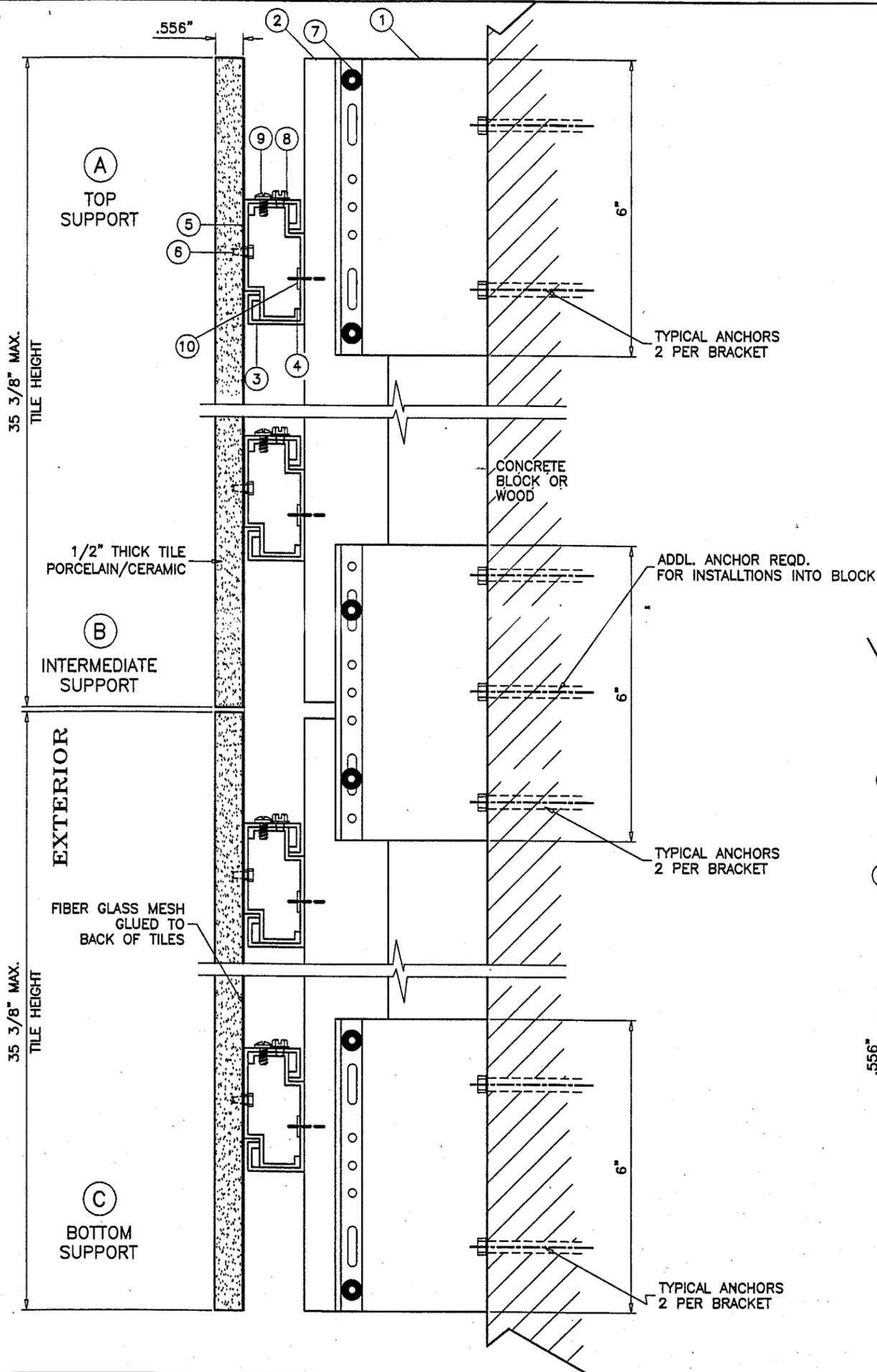
EXTERIOR PORCELAIN CLADDING SYSTEM
COOPERATIVA CERAMICA D'IMOLA
VIA VITTORIO VENETO, 13
IMOLA (BO) ITALY
TEL. 39 0542 601601 FAX. 39 1542 31749

no	date	description
A	09.04.01	REV. PER BCCO COMMENTS
B	09.24.01	REV. PER BCCO COMMENTS

date: 12-26-00
scale: 3/4"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
00-32

sheet 1 of 3



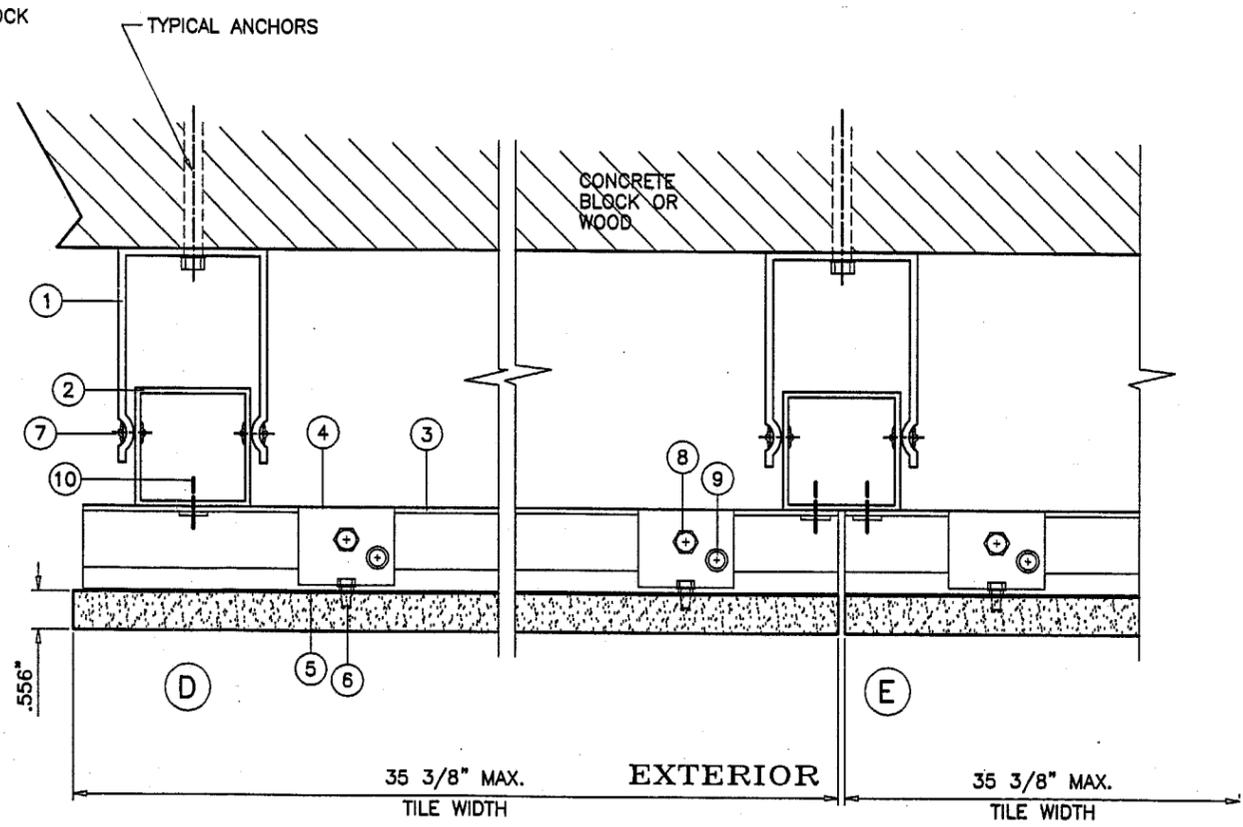
TYPICAL ANCHORS:

INTO CONCRETE 3000 PSI MIN.
 MINIMUM EDGE DISTANCE REQD. = 3"
 1/4" DIA. TAPCONS, WITH 1-1/4" MIN. EMBED. INTO CONC. OR BLOCK

INTO WOOD STRUCTURE (SOUTHERN YELLOW PINE S.G. = 0.55)
 MINIMUM EDGE DISTANCE REQD. = 1-1/2" (DOUBLE 2BY BUCKS)
 3/8" DIA. LAG SCREWS, WITH 1-3/4" MIN. EMBED.

NOTE:

INSTALLATIONS MAY BE TO
 A. CONCRETE SHEAR WALL
 B. WOOD (MIN. 2X4 AT 16" O.C. WITH 5/8" PLYWOOD)



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Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 OCT 01 2001

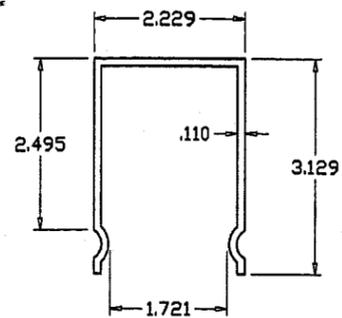
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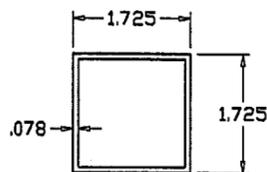
revisions:	no	date	by	description

date: 12-26-00
 scale: 3/8"=1'-0"
 dr. by: HAMID
 chk. by:

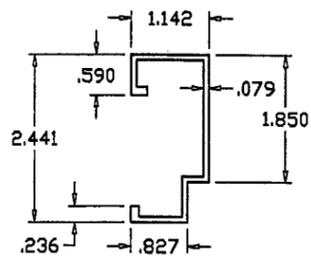
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 sheet 2 of 3



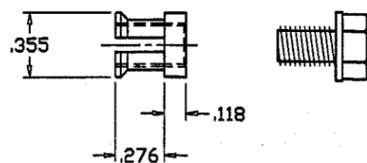
U-BRACKET



VERTICAL TUBE

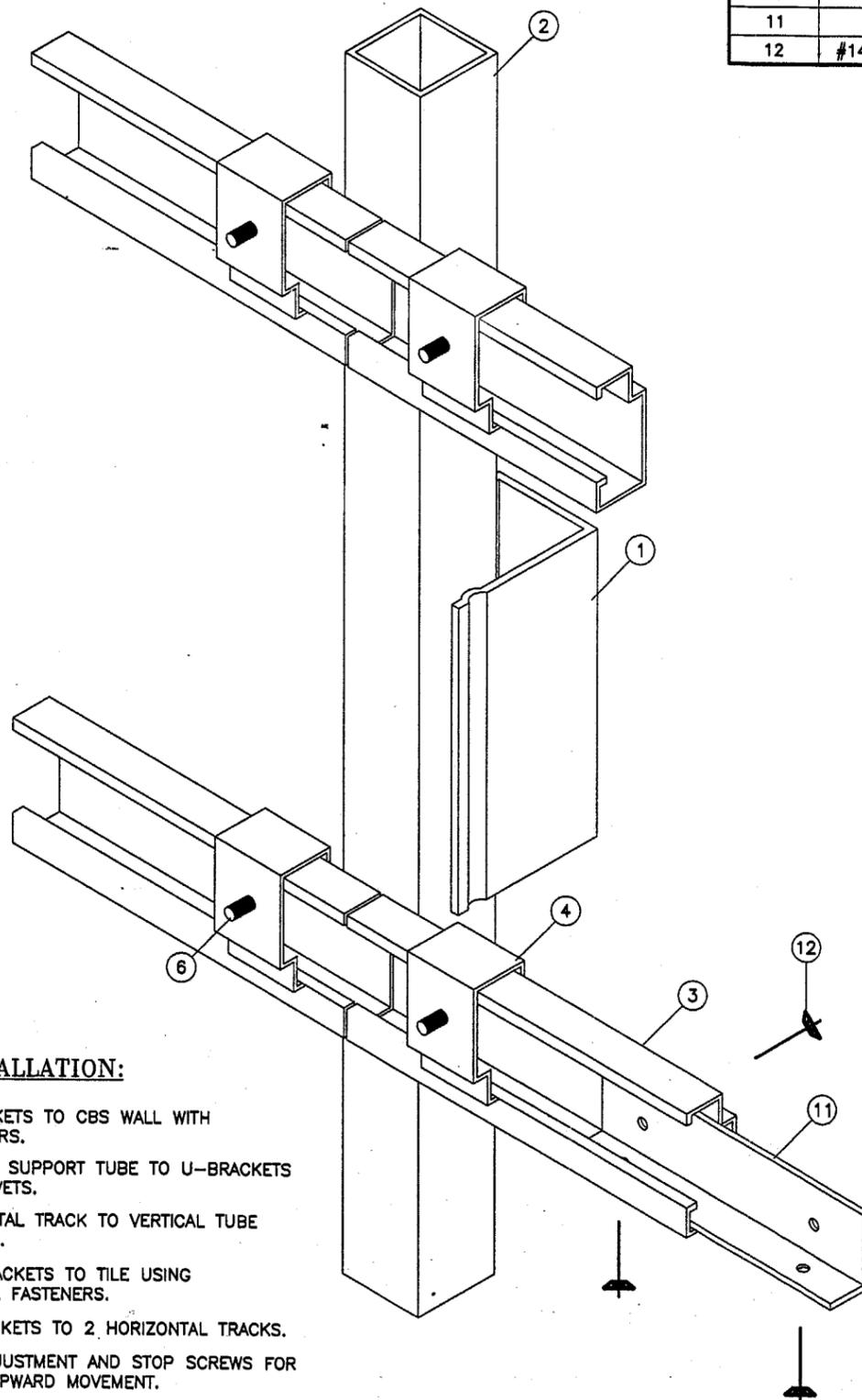


HORIZ. TRACK/C-BRACKET



EXPANSION ANCHOR

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ATK-101	AS REQD.	U-BRACKET	6063-T6	-
2	-	AS REQD.	VERTICAL TUBE	6063-T6	-
3	ATK-103	AS REQD.	HORIZ. TRACK	6063-T6	-
4	ATK-103S	4/ TILE	C-BRACKET	6063-T6	-
5	-	4/ TILE	ADHESIVE RUBBER GASKET	-	-
6	-	4/ TILE	3/4" X 1/4" EXPANSION ANCHOR	-	KEIL MECH. ANCHORING SYS.
7	SNA	4/ BRACKET	5/8" LONG X .196" DIA. COUNTER SINK RIVETS	ST. STEEL	-
8	-	-	ADJUSTMENT SCREW	-	-
9	-	-	STOP SCREW	-	-
10	K14	1/ JOINT	.538" LONG X .189" DIA. TRUSS HEAD RIVET	ST. STEEL	-
11	-	1/ JOINT	7/8" X 1-1/2" X 1/8" SPLICE ANGLE	6063-T6	6" LONG
12	#14 X 3/4"	4/ SPLICE	SPLICE BRACKET SELF DRILLING SCREWS	-	-



METHOD OF INSTALLATION:

- STEP 1** ATTACH U-BRACKETS TO CBS WALL WITH MASONRY ANCHORS.
- STEP 2** ATTACH VERTICAL SUPPORT TUBE TO U-BRACKETS WITH 4 'SNA' RIVETS.
- STEP 3** ATTACH HORIZONTAL TRACK TO VERTICAL TUBE WITH K14 RIVETS.
- STEP 4** ATTACH 4 C-BRACKETS TO TILE USING KEIL MECHANICAL FASTENERS.
- STEP 5** HOOK 4 C-BRACKETS TO 2. HORIZONTAL TRACKS.
- STEP 6** ADJUST WITH ADJUSTMENT AND STOP SCREWS FOR SIDE WAY AND UPWARD MOVEMENT.

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afc

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drawing no.
00-32
 sheet 3 of 3

STORE 00-32IMS