



**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**

**Minority Urban Development, Inc.**  
**375 NE 54 Street, Suite #8**  
**Miami ,FL 33137**

Your application for Notice of Acceptance (NOA) of:

**DuroCrete Wall Panel 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.

**ACCEPTANCE NO.: 01-1109.04**  
**EXPIRES: 12/15/2006**

Raul Rodriguez  
Chief Product Control Division

**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: 12/06/2001**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This **renews** Notice of Acceptance (NOA) No. **01-0427.02**, which was issued on October 18, 2001. It renews the approval of an steel studded wall panel system, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

- 2.1 The **Series "DuroCrete"** Steel Studded Wall Panel System and its components shall be constructed in strict compliance with the following document: Drawing No **01-39**, Sheets 1 through 3 of 3, titled "DuroCrete SS Wall Panel System," prepared by Al Farooq Corporation, dated 8/10/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 All permanent set components must be protected against corrosion, contamination and damage at all times.

**4. INSTALLATION**

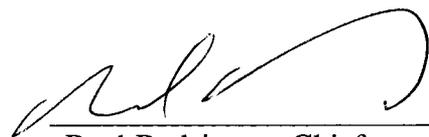
- 4.1 This DuroCrete Steel Studded Wall Panel System and its components shall be installed in strict compliance with the approved drawings.

**5. LABELING**

- 5.1 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".

**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
  - 6.1.2 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.
  - 6.1.3 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.

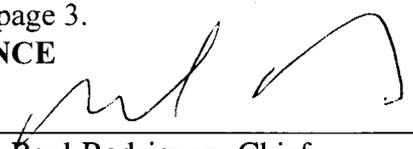


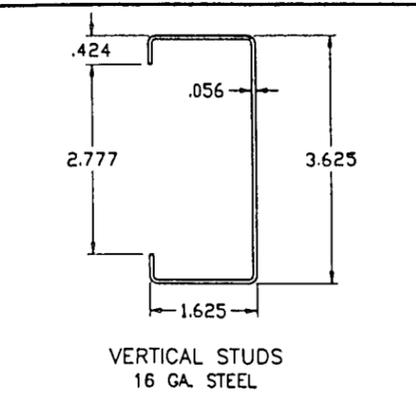
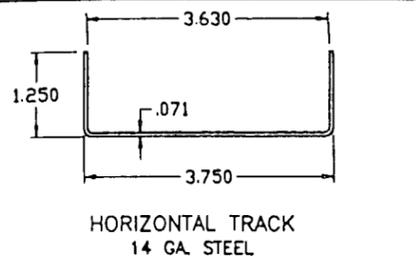
Raul Rodriguez, Chief  
Product Control Division

**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 documentation, 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 purpose.
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 need 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**

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division



DUROCRETE STEEL STUDDED WALL PANEL SYSTEM REQUIRES STRUCTURAL FRAMING MEMBER AT TOP TO RESIST THE LATERAL DESIGN LOAD SHOWN ON THIS DRAWING.

MAX. LATERAL DESIGN LOAD = + 50.0 PSF  
- 50.0 PSF

DUROCRETE STEEL STUDDED WALL PANEL SYSTEM IS DESIGNED TO BE SUPPORTED BY ANCHORS AT TOP & BOTTOM ONLY TO STRUCTURAL WOOD, STEEL OR CONCRETE MEMBERS TO SUPPORT THIS WIND LOAD.

MAX. PANEL HEIGHT (SPAN) = 97 IN.

MAX. PANEL WIDTH = 48 IN.

MAX. COMPRESSION LOAD PER WALL PANEL = 5000 Lbs. (1250 Lbs/L. FT.) \*\*

MAX. RACKING LOAD PER WALL PANEL = 993 Lbs. (248.25 Lbs/L. FT.) \*\*

MAX. TENSION LOAD PER WALL PANEL = 2000 Lbs. (500.00 Lbs/L. FT.) \*\*

LARGE MISSILE IMPACT RESISTANT SYSTEM.

\*\* ONLY THE WALL PANELS WITHOUT ANY OPENING SHALL BE CONSIDERED TO RESIST THE RACKING FORCE, COMPRESSION LOAD AND TENSION LOAD.

THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

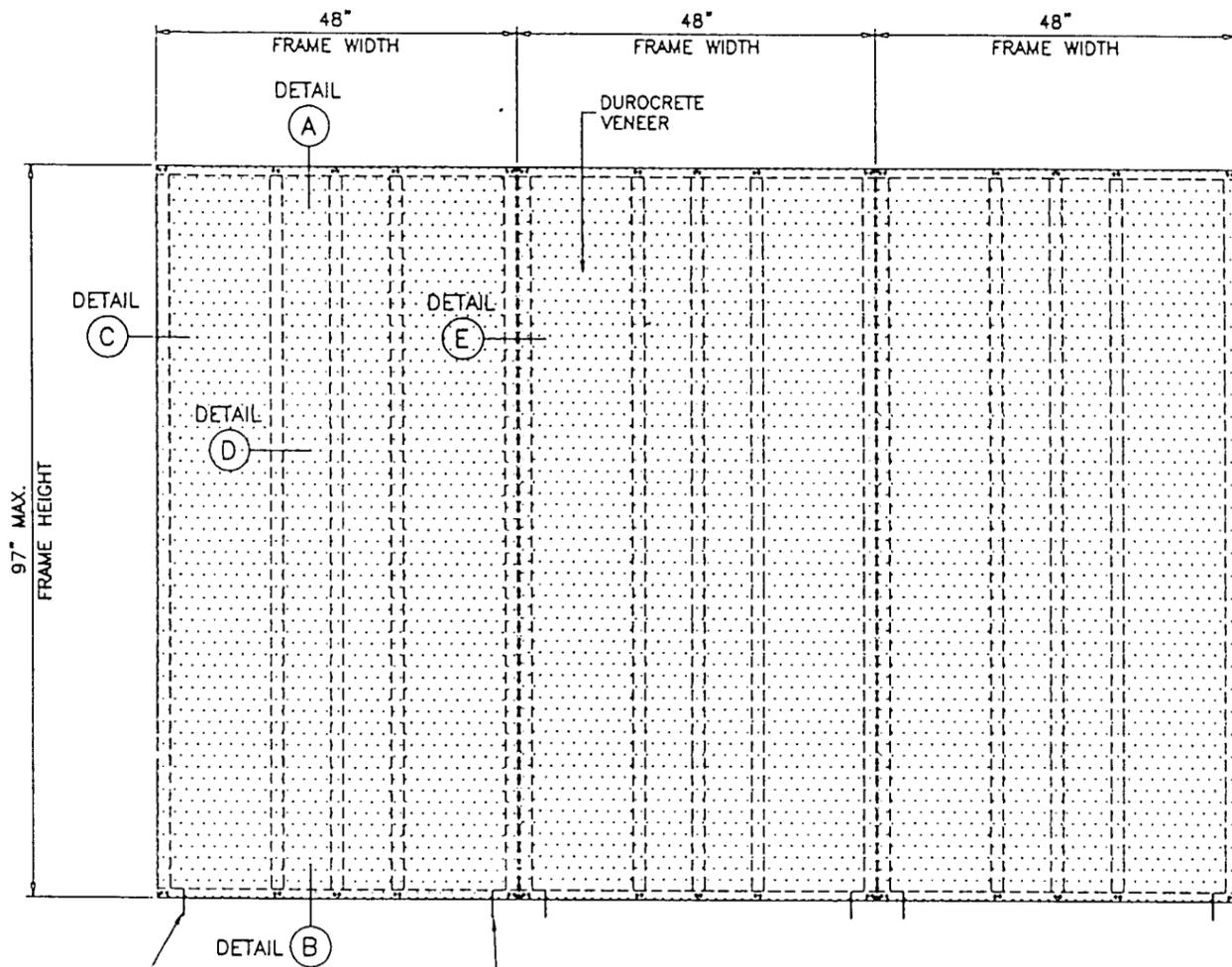
THIS PRODUCT CONTROL APPROVAL IS FOR THE WALL PANELS AS SHOWN ON THESE APPROVED DRAWINGS. BUILDING DIMENSIONS, DETAILS, UPLIFT, OVERTURNING, FOUNDATIONS ROOF AND OTHER ELEMENTS SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER AND REVIEWED BY THE STRUCTURAL PLANS EXAMINAR OF THE CORRESPONDING BUILDING DEPARTMENT.

ALL ELECTRICAL AND MECHANICAL DETAILS AND PARTS ARE NOT PART OF THIS APPROVAL AND SHALL BE REVIEWED BY THE CORRESPONDING BLDG. DEPARTMENT.

DISSIMILAR MATERIALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH S.F.B.C. CHAPTER 30, SECTION 3004.4.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT LENGTHS NOTED SHALL NOT INCLUDE FINISH MATERIAL.

DESIGN IS BASED ON TESTING IN ACCORDANCE WITH MIAMI-DADE COUNTY LARGE MISSILE IMPACT TEST PROTOCOL PA 201. CYCLIC WIND PRESSURE TEST PROTOCOL PA 203. STATIC AIR PRESSURE TEST PROTOCOL PA 202. (AIR AND WATER INFILTRATION WERE NOT TESTED)



ADDL. ANCHORS 'C'  
1/2" DIA. KWIK BOLTS  
3-1/2" MIN. CONC. EMBED  
AT 3-1/2" FROM PANEL CORNERS  
AT TOP & BOTTOM TO SUPPORT  
THE LATERAL DESIGN LOAD ±50.0 PSF  
FOR TYP. ANCHORS SEE SHEET 3

TYPICAL ELEVATION  
TESTED UNIT

GENERIC TECHNICAL DATA FOR DUROCRETE MIX DESIGN

ALL DUROCRETE MIX DESIGN REQUIRE THE FOLLOWING.  
TYPE 1 PORTLAND CEMENT ASTM C-150.  
CLEAN, SLAT FREE, FINE AGGREGATE SAND.  
CLEAN, SALT FREE WATER.  
DUROMIX I ADD MIXTURE.  
DUROMIX II ADD MIXTURE.  
FIBER MESH 1/2" HARBOURITE POLYPROPYLENE SYNTHETIC FIBER.

COMPONENT QUALIFICATIONS

DIETRICH LIGHT STEEL STUDS AND TRACKS  
43 KSI MIN. YIELD ASTM A-446-83 GRADE C  
METAL LATH PER FEDERAL SPECIFICATION QQ-LI01C  
ASTM -C847

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 10/18/2001  
BY *Halima H. M. M.*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0427-02

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

PRODUCT RENEWED

ACCEPTANCE No. 01-1109.04

EXPIRATION DATE December 15, 2001

SEP 25 2001

By *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

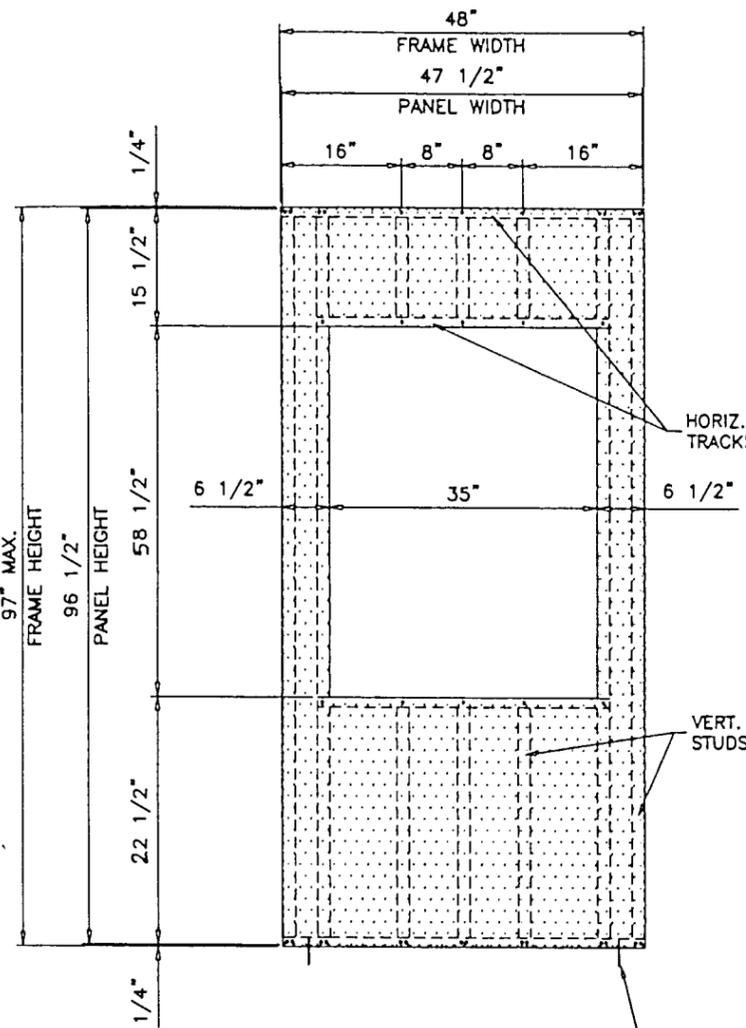
*afc*  
AL-FAROOQ CORPORATION  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COOLER\W01-39MUD

DUROCRETE SS WALL PANEL SYSTEM  
MINORITY URBAN DEVELOPMENT INC.  
775 N.E. 79TH STREET SUITE D  
MIAMI, FL. 33138  
TEL. (305) 610-5903 TEL. (305) 751-8901

revisions:	no	date	description	BY	REV. PER BCCO COMMENTS
	A	09.24.01			

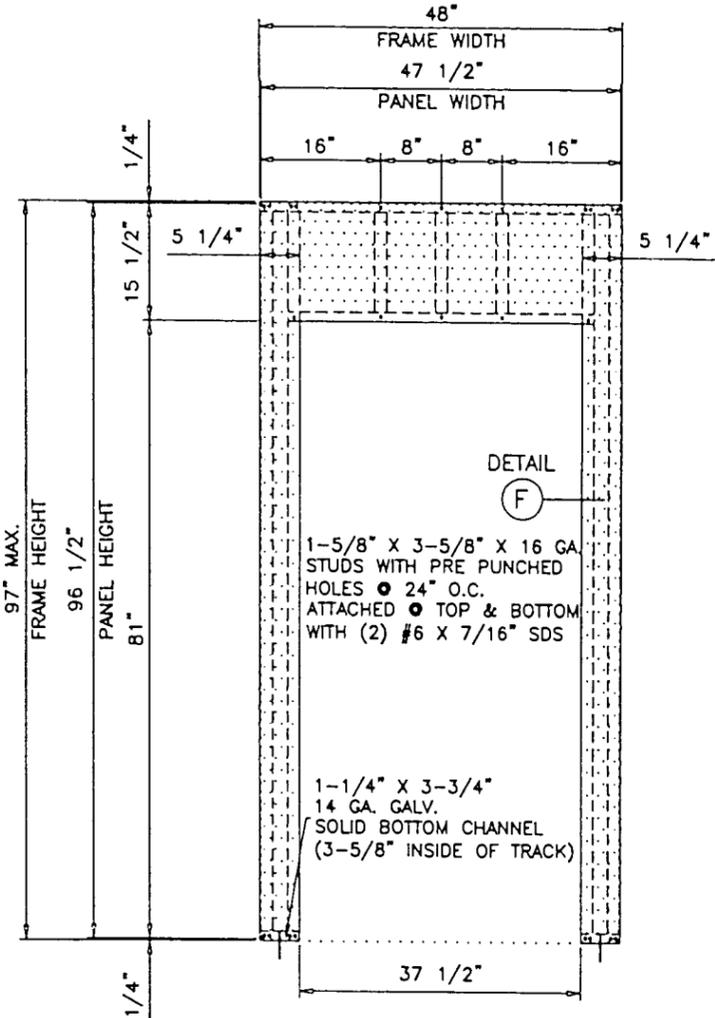
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chk. by:	

drawing no.  
01-39  
sheet 1 of 3

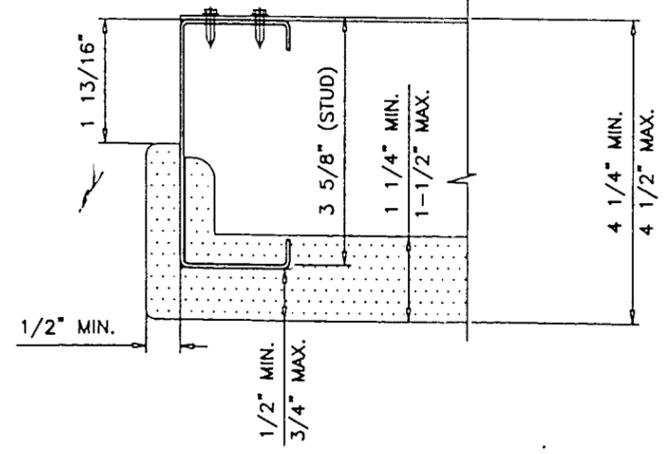


TYPICAL ELEVATION WINDOW PANEL

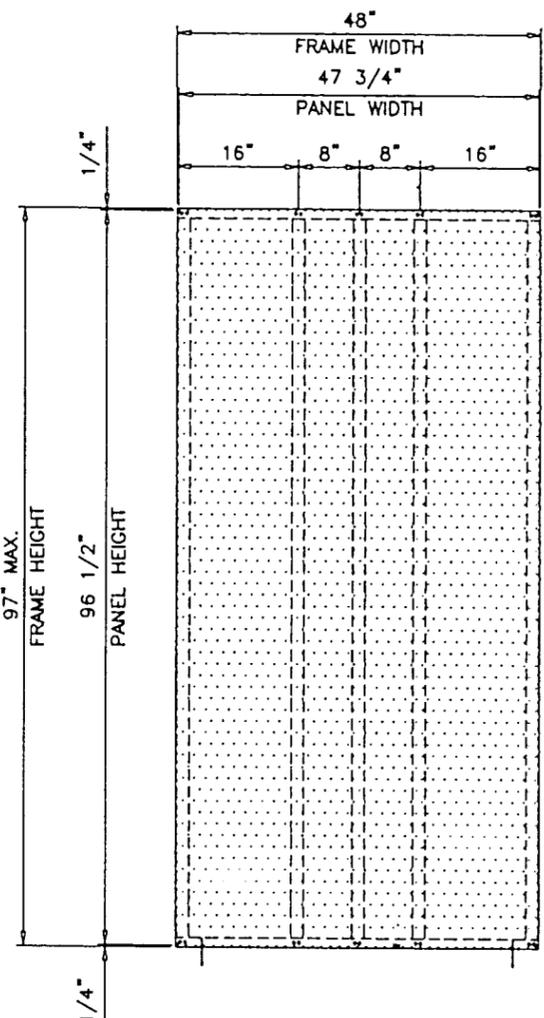
ADDL. ANCHORS 'C'  
 1/2" DIA. KWIK BOLTS  
 3-1/2" MIN. CONC. EMBED  
 AT 3-1/2" FROM PANEL CORNERS  
 AT TOP & BOTTOM TO SUPPORT  
 THE LATERAL DESIGN LOAD ±50.0 PSF  
 FOR TYP. ANCHORS SEE SHEET 3



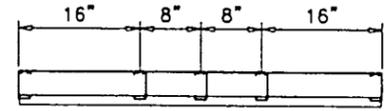
TYPICAL ELEVATION DOOR PANEL



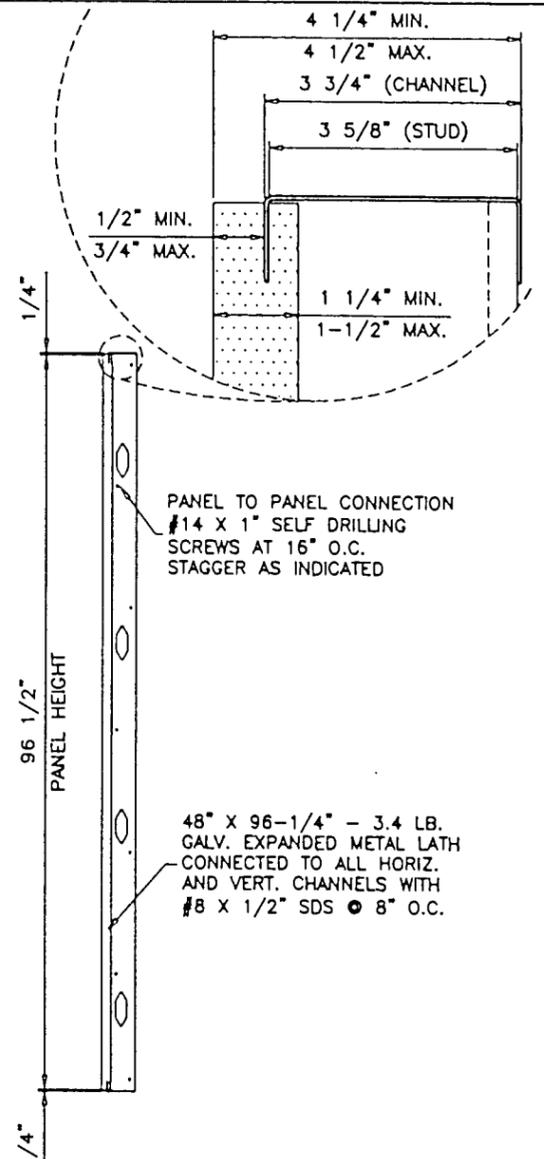
TYPICAL WINDOW PANEL



TYPICAL ELEVATION WALL PANEL



PLAN VIEW WALL PANEL



PANEL TO PANEL CONNECTION  
 #14 X 1" SELF DRILLING  
 SCREWS AT 16" O.C.  
 STAGGER AS INDICATED

48" X 96-1/4" - 3.4 LB.  
 GALV. EXPANDED METAL LATH  
 CONNECTED TO ALL HORIZ.  
 AND VERT. CHANNELS WITH  
 #8 X 1/2" SDS @ 8" O.C.

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE 10/18/2001  
 BY *Halim H. Hamid*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0427-02

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

PRODUCT RENEWED

ACCEPTANCE No. 01-1109.04  
 EXPIRATION DATE December 15, 2006

SEP 25 2001

PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

*afC*  
 AL-FAROOQ CORPORATION  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
 COOLER/W01-39MUD

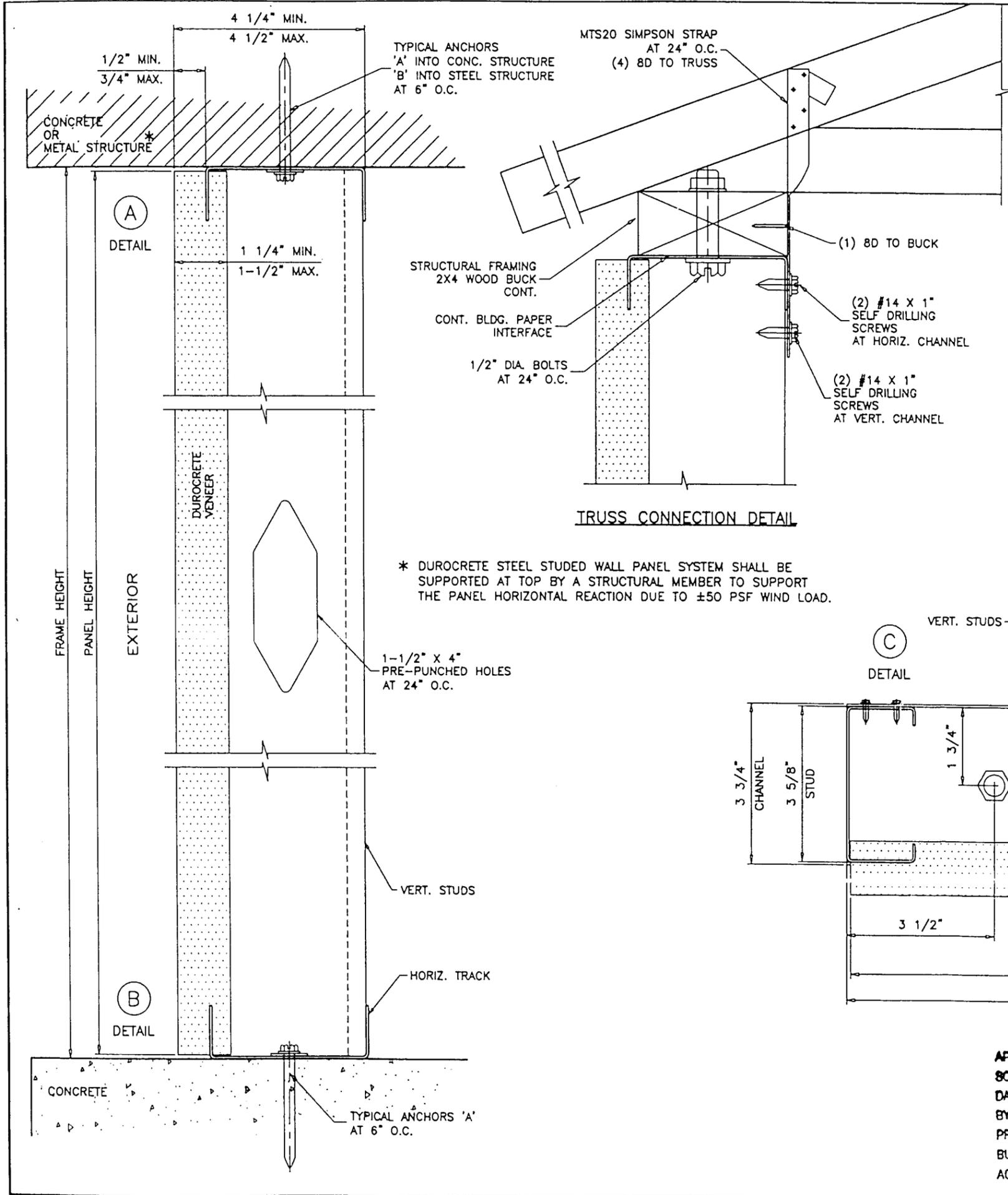
DUROCRETE SS WALL PANEL SYSTEM  
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 775 N.E. 79TH STREET SUITE D  
 MIAMI, FL. 33138  
 TEL (305) 610-5903 TEL (305) 751-8901

no	date	by	description

date: 08-10-01  
 scale: 1/2" = 1'-0"  
 dr. by: HAMID  
 chk. by:

drawing no.  
 01-39

sheet 2 of 3

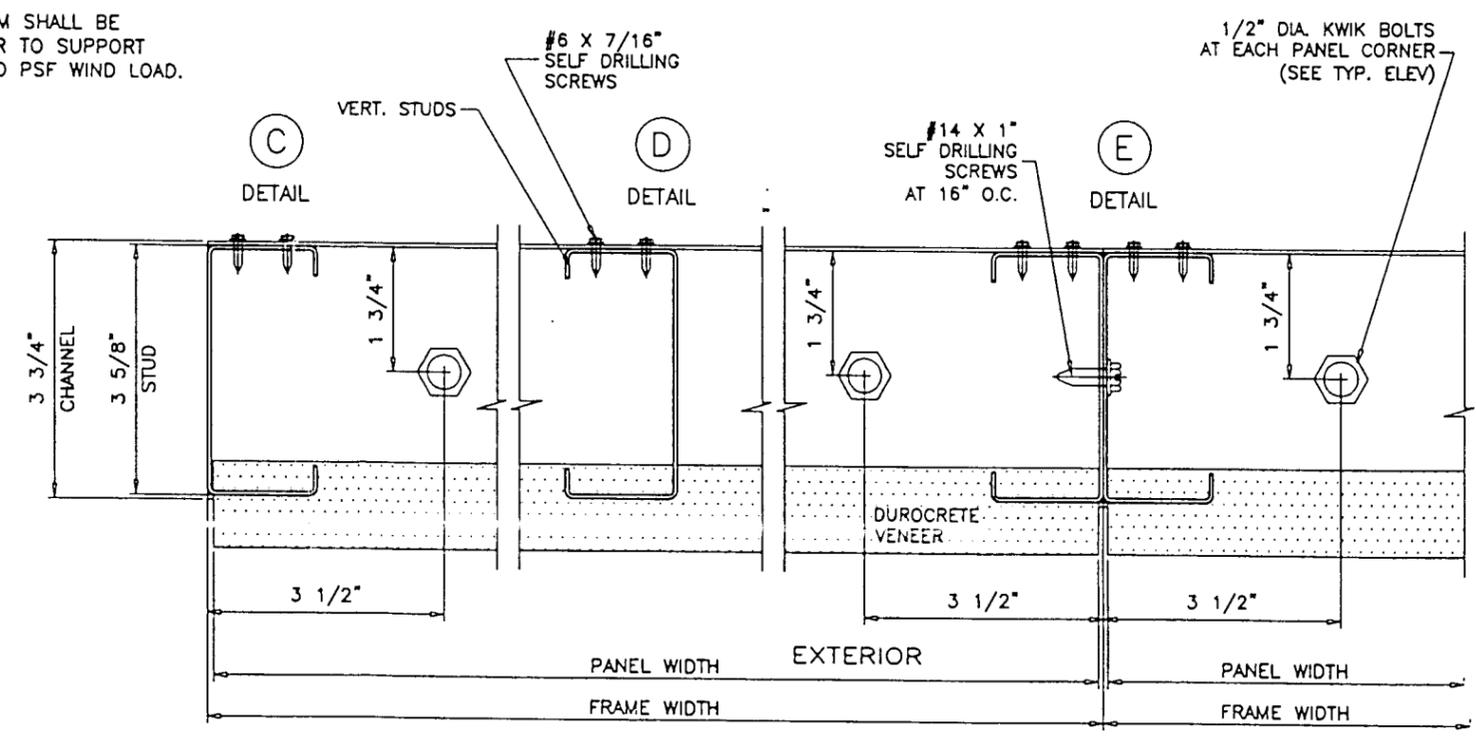


**TYPICAL ANCHORS:**

**ANCHOR 'A'**  
 INTO CONCRETE (3000 PSI MIN.)  
 .136 DIA. HILTI X-ZF FASTENERS  
 1-1/4" MIN. CONC. EMBED  
 WITH .909" DIA. X .080" THICK WASHERS

**ANCHOR 'B'**  
 INTO STEEL STRUCTURES  
 #14 SMS OR 1/4" SELF DRILLING SCREWS

**ANCHOR 'C'**  
 INTO CONCRETE AT PANEL CORNERS ONLY  
 1/2" DIA. KWIK BOLTS WITH 3-1/2" MIN. EMBED



APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE 10/18/2001  
 BY *Helmy H. Maher*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO 01-0427-02

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

SEP 25 2001

**PRODUCT RENEWED**

ACCEPTANCE No. 01-1109.04

EXPIRATION DATE December 15, 2001

By *[Signature]*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

**afC**

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 TEL. (305) 610-5903 TEL. (305) 751-8901

no	date	by	description

date: 08-10-01  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no. 01-39  
 sheet 3 of 3