



**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

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Kysor/Warren**  
**5 Mutec Drive**  
**Columbus GA 31907**

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

**CONTRACTOR ENFORCEMENT SECTION**  
(305) 375-2966 FAX (305) 375-2908

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

Your application for Product Approval of:

***Metal / Rigid Foam Composite Sandwich Wall Panel***

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-0528.09**

**Expires: 07/06/2003**

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director

Miami-Dade County  
Building Code Compliance Office

**Approved: 07/06/2000**



Kysor//Warren

ACCEPTANCE No. : 99-0528.09

APPROVED : JUL 06 2000

EXPIRES : JUL 06 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

This approves a Metal/Rigid Foam Composite Sandwich Wall Panel, as described in Section 2 of this Notice of Acceptance, 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**

This Metal/Rigid Foam Composite Sandwich Wall Panel and its components shall be constructed in strict compliance with the following documents: Drawing No. 99-09, titled "Steel/Foam Wall Panels", sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated March 9, 1999, last revision #C dated May 31, 2000, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

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

**4. INSTALLATION**

This Metal/Rigid Foam Composite Sandwich Wall Panel and its components shall be installed in strict compliance with the approved drawings.

**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.

**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.



Helmy A. Makar, P.E.- Product Control Examiner  
Product Control Division

Kysor//Warren

ACCEPTANCE No. : 99-0528.09

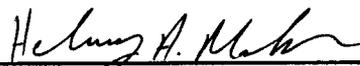
APPROVED : JUL 0 6 2000

EXPIRES : JUL 0 6 2003

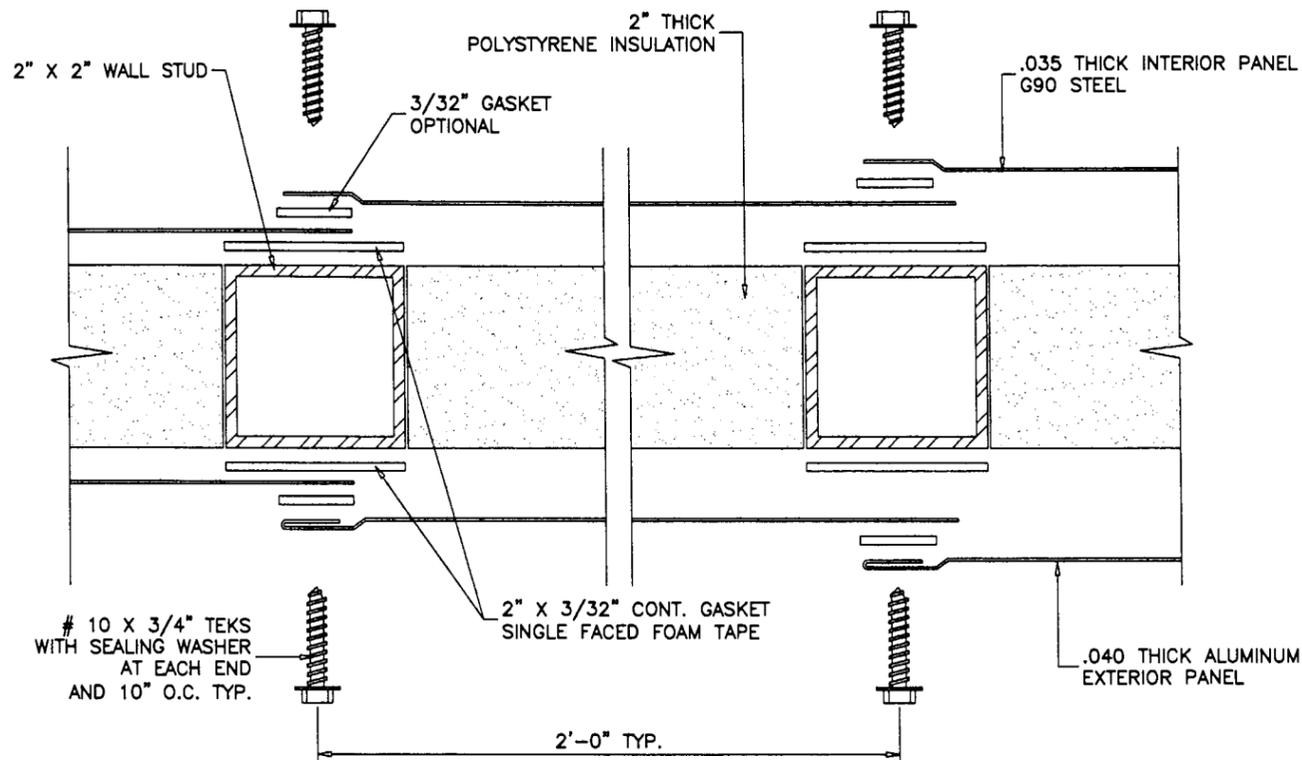
**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

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**



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Helmy A. Makar, P.E.- Product Control Examiner  
Product Control Division



**WALL SECTION TYPICAL**

MAX. DESIGN LOAD RATING = + 65.0 PSF  
 - 65.0 PSF

MAX. WALL SPAN = 9'-4 3/4"

THESE WALL PANELS TO BE USED FOR CONSTRUCTION OF STRUCTURES TO ENCLOSE MECHANICAL EQUIPMENTS, AND IS NOT HABITABLE AREA.

**GENERAL NOTES**

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. THIS PRODUCT CONTROL APPROVAL IS FOR THE WALL PANELS AS SHOWN ON THESE APPROVED DRAWINGS. BUILDING DIMENSIONS, DETAILS, TOP LIFTING RAIL, UPLIFT, OVERTURNING, FOUNDATIONS, ROOF AND OTHER ELEMENTS SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
3. ALL ELECTRICAL AND MECHANICAL DETAILS AND PARTS ARE NOT PART OF THIS APPROVAL AND SHALL BE REVIEWED BY THE CORRESPONDING BLDG. DEPARTMENT.
4. DISSIMILAR MATERIALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH S.F.B.C. CHAPTER 30, SECTION 3004.4.
5. STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36 AND STEEL SHEET SHALL CONFORM TO ASTM DESIGNATION A-653, GALVANIZED WITH A COATING DESIGNATION OF G90 MINIMUM. MIN. Y.S. = 51,151 PSI. ALUMINUM SHEET SHALL BE ALLOY 3004-H32. MIN. Y.S. = 19,772 PSI.
6. POLYURETHANE SHALL BE RIGID FOAM MIN. DENSITY OF 2.0 P.C.F.
7. POLYURETHANE MAX. FLAME SPREAD RATING = 15 AS PER ASTM E-84. SMOKE DEVELOPED INDEX = 125 AS PER ASTM E-84. SPONTANEOUS-IGNITION TEMPERATURE = 743°F. AS PER ASTM 1929-96.
8. WALL COMPOSITE SANDWICH PANELS ARE COMPRISED AS SHOWN ON WALL SECTION TYPICAL.
9. 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)

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

*[Signature]*  
 JUN 15 2000

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE: *July 06, 2000*  
 BY: *Hamid*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. *99-0528.09*

*afc*

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

COOLER/99-09KWP

STEEL/FOAM WALL PANELS

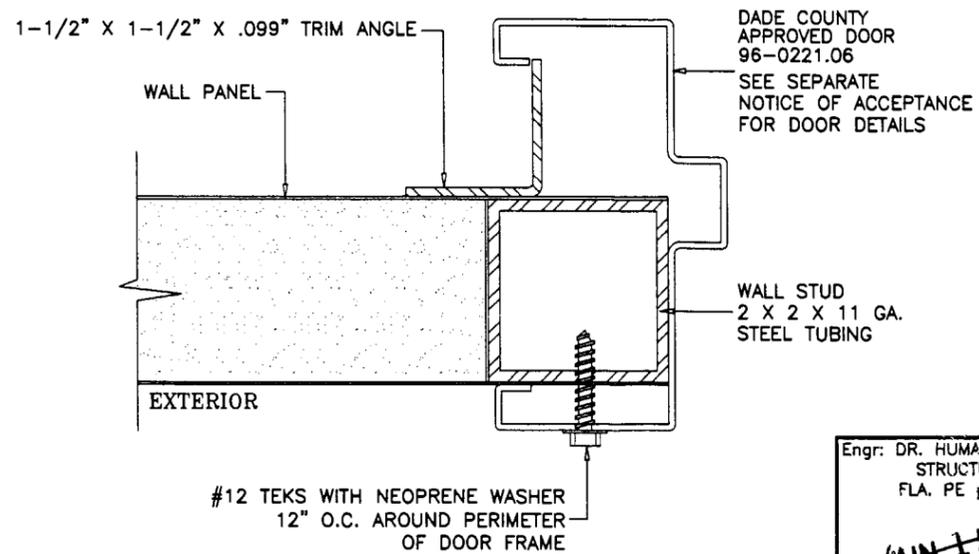
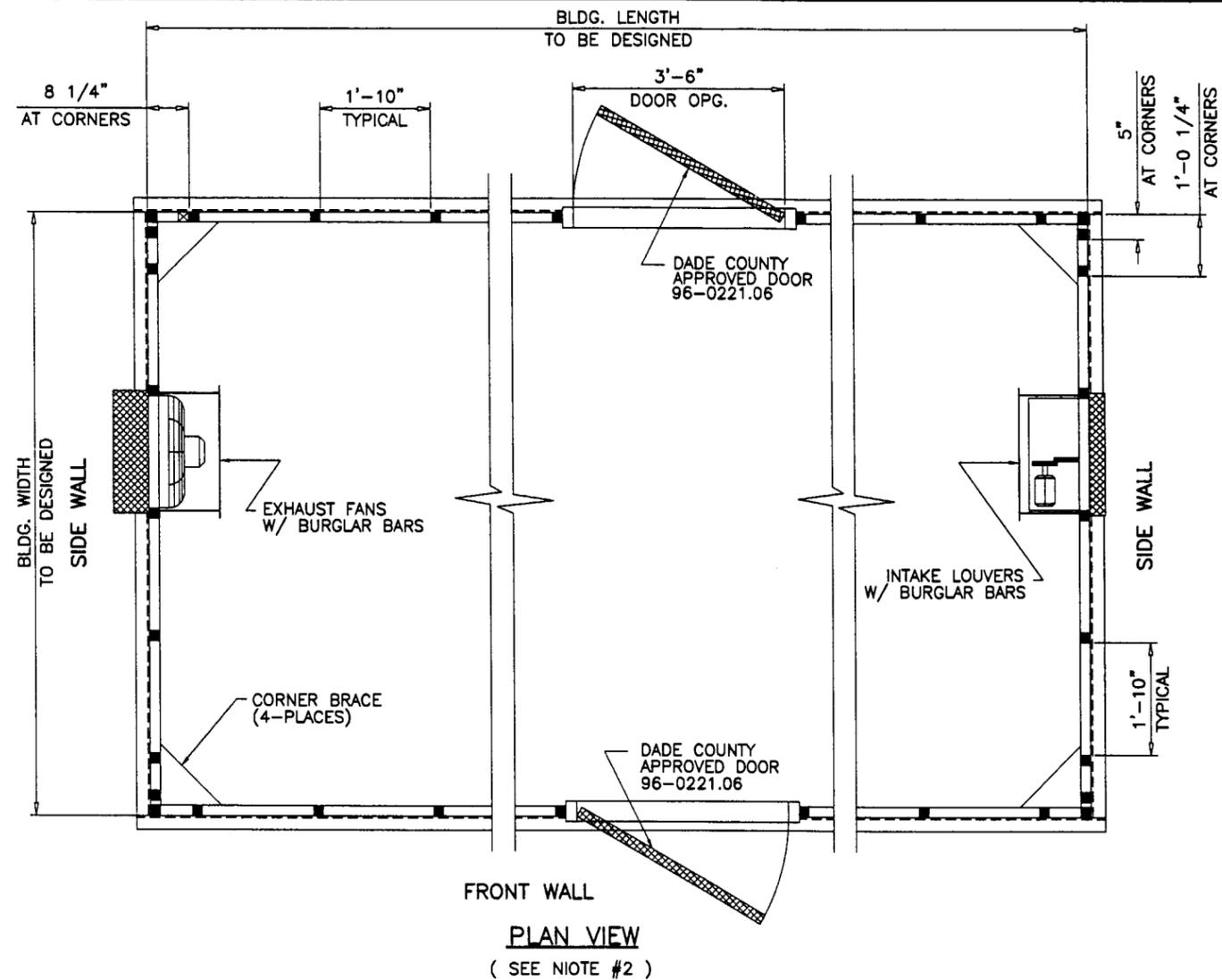
**KYSOR/WURREN**  
 1600 INDUSTRIAL BOULEVARD  
 CONYERS, GEORGIA 30207-0019  
 TEL. (770) 483-5600 FAX. (770) 929-4379

revisions:	no	date	by	description
	A	05.17.99		SHEETS 1 & 6 REV.
	B	12.15.99		GENERAL REVISION
	C	05.31.00		GENERAL REVISION

date: 03-09-99  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**99-09**

sheet 1 of 4



**DOOR INSTALLATION DETAIL  
AT HEAD AND JAMBS**

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
**JUN 15 2000**

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 06, 2000  
BY Henry A. Hamid  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-0528.09

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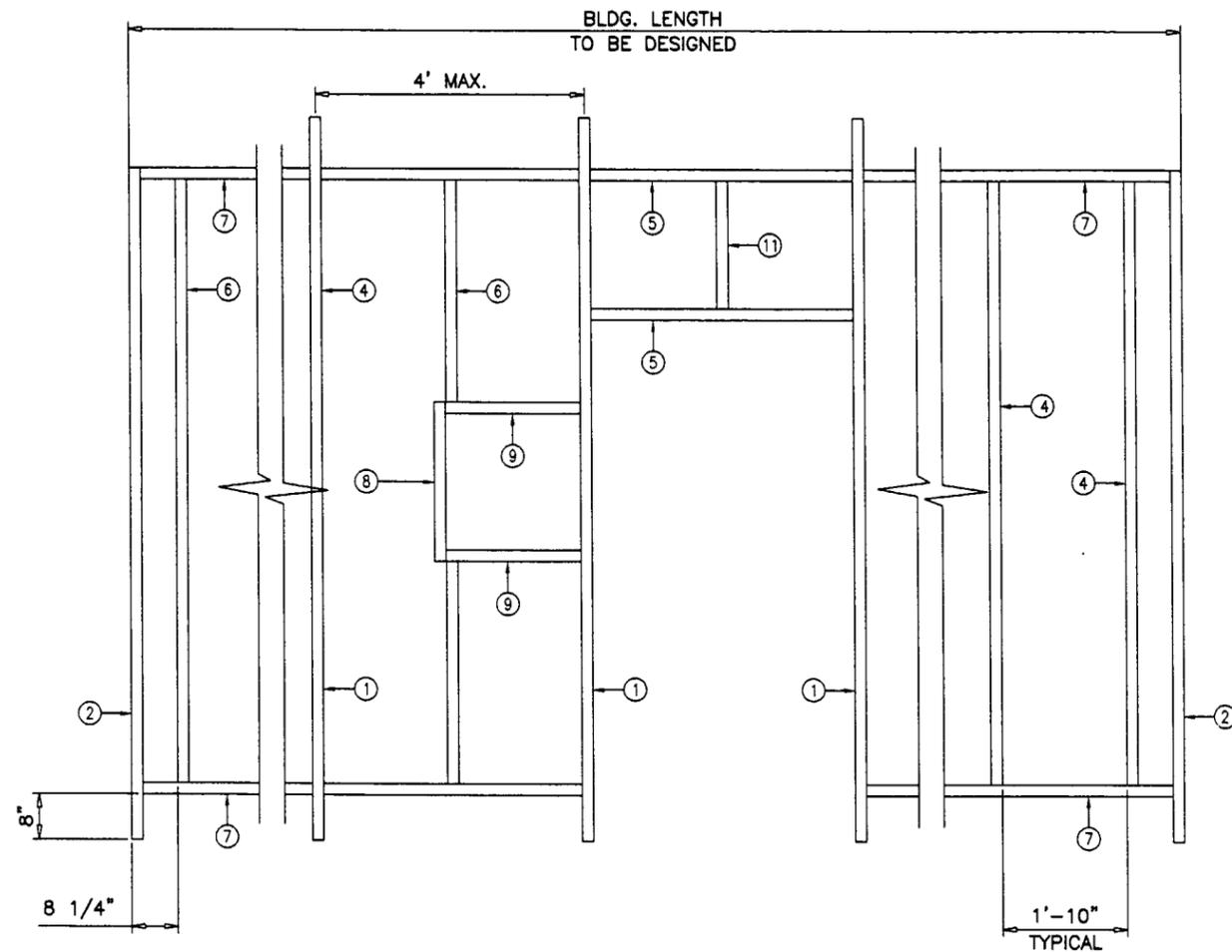
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revisions:	no	date	by	description

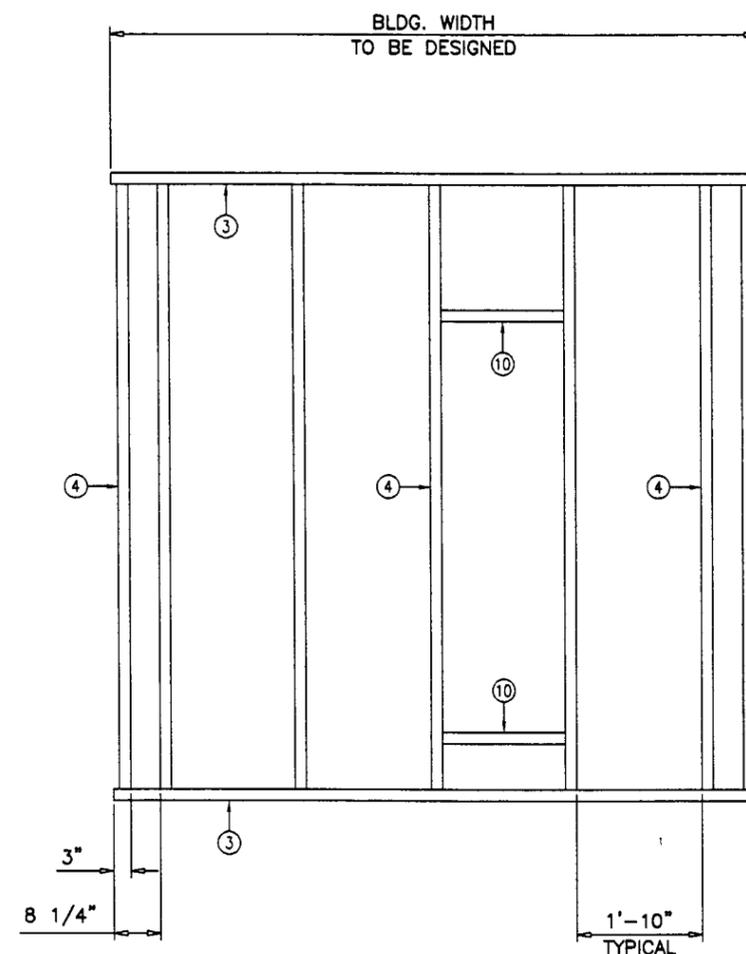
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drawing no.  
**99-09**

sheet 2 of 4



FRONT/REAR WALL ASSEMBLY



SIDE WALL ASSEMBLY

ALL FRAMING IS WELDED ASSEMBLY WITH 1/8" WELD ALL AROUND TUBES. WELD JOINTS ARE COATED WITH A COLD GALVANIZING COMPOUND FOR CORROSION PROTECTION.

BILL OF MATERIAL FOR WALL FRAME ASS'Y	
ITEM #	MATERIAL DESCRIPTION
1	TUBING 2 x 2 x 11ga. x 127" LG
2	TUBING 2 x 2 x 11ga. x 118" LG
3	TUBING 2 x 2 x 11ga. x 114 1/2" LG
4	TUBING 2 x 2 x 11ga. x 106" LG
5	TUBING 2 x 2 x 11ga. x 46 1/4" LG
6	TUBING 2 x 2 x 11ga. x 39" LG
7	TUBING 2 x 2 x 11ga. x 30 1/8" LG
8	TUBING 2 x 2 x 11ga. x 28" LG
9	TUBING 2 x 2 x 11ga. x 24" LG
10	TUBING 2 x 2 x 11ga. x 22" LG
11	TUBING 2 x 2 x 11ga. x 22 7/16" LG

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

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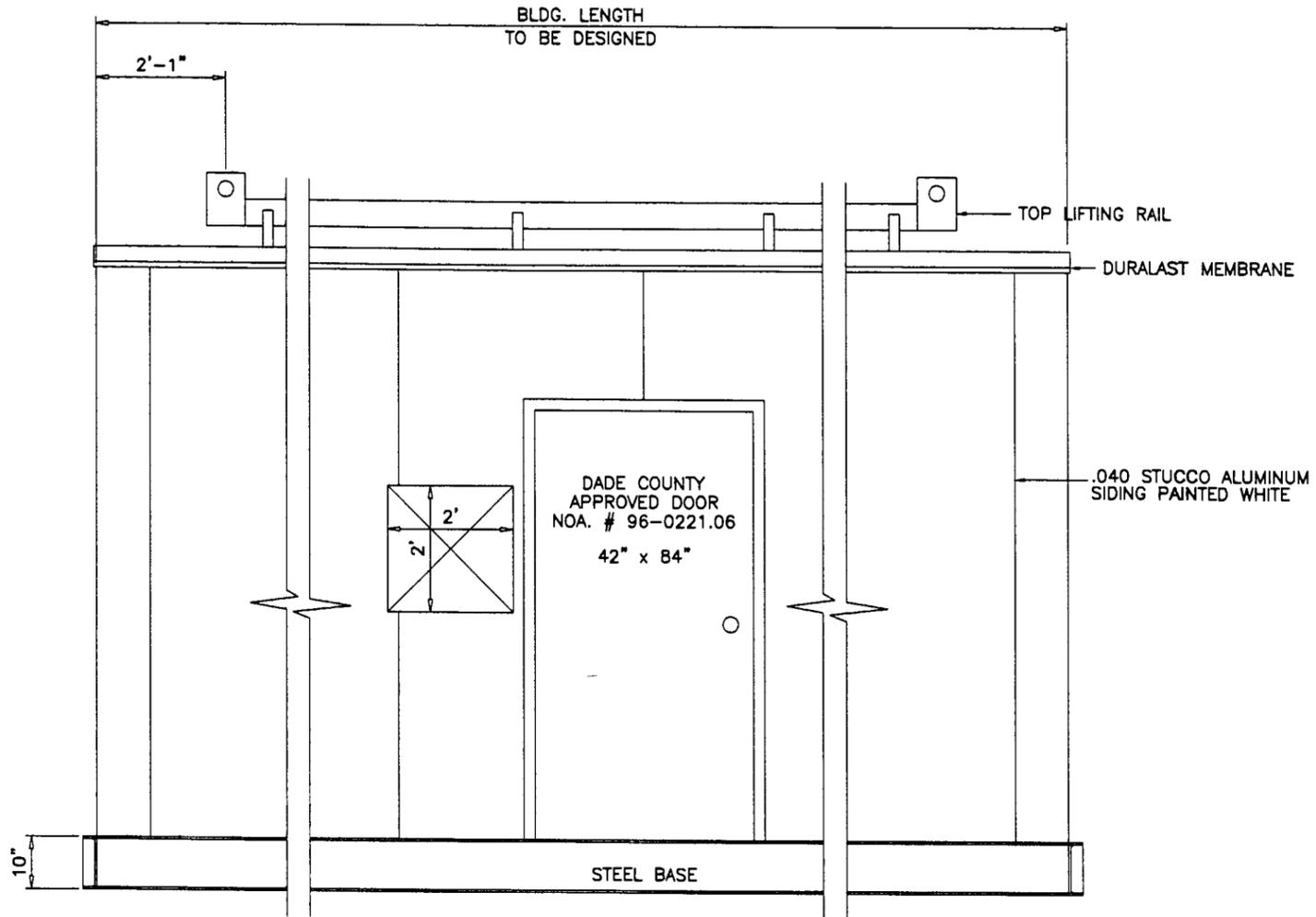
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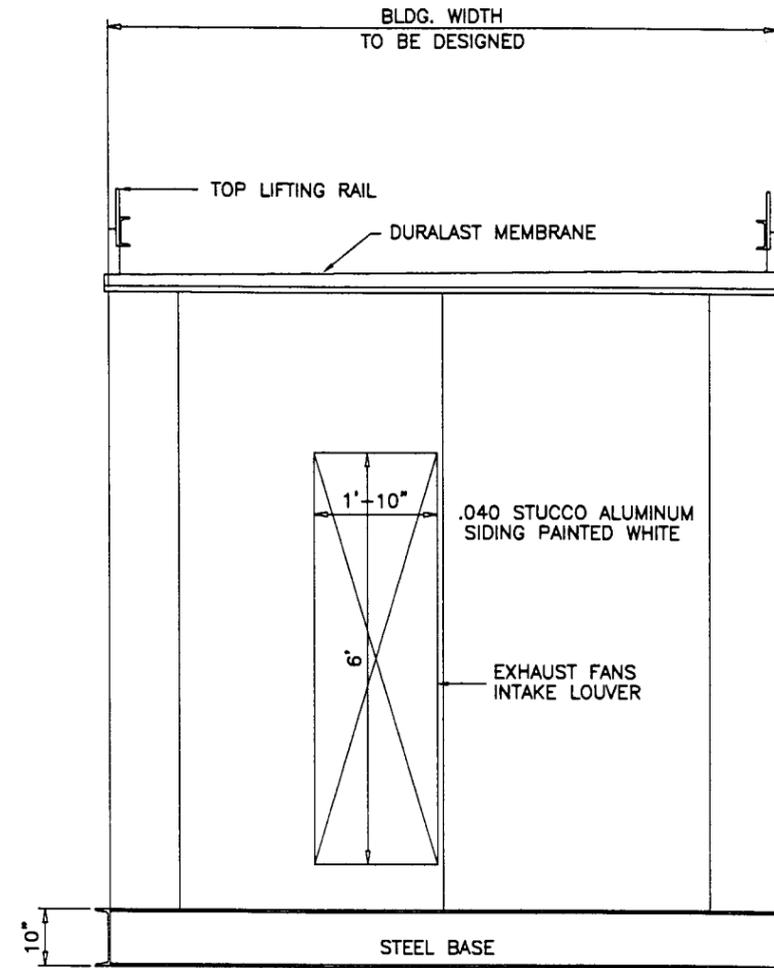
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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
99-09

sheet 3 of 4



FRONT/REAR WALL ELEVATION



SIDE WALL ELEVATION

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

*JUN 15 2000*

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: *July 06, 2000*  
BY: *Helmy H. Elshor*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-0528.09*

*afc*

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sheet 4 of 4