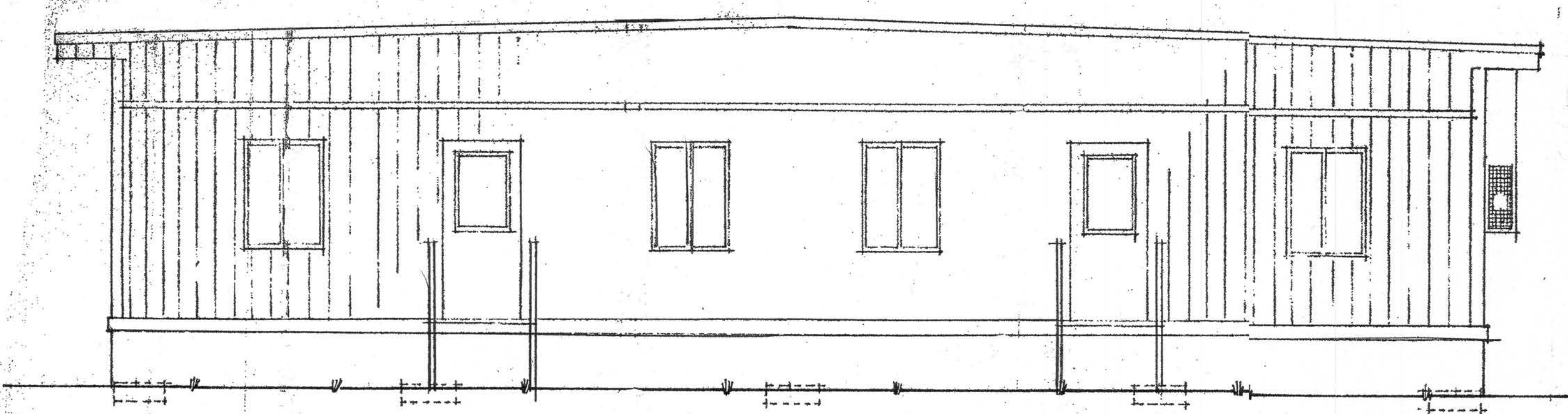
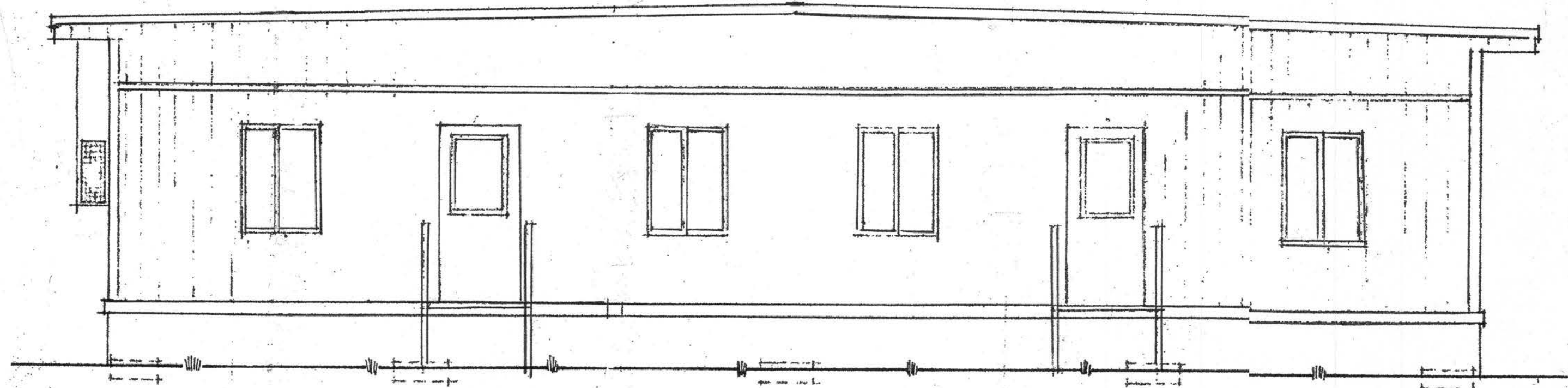
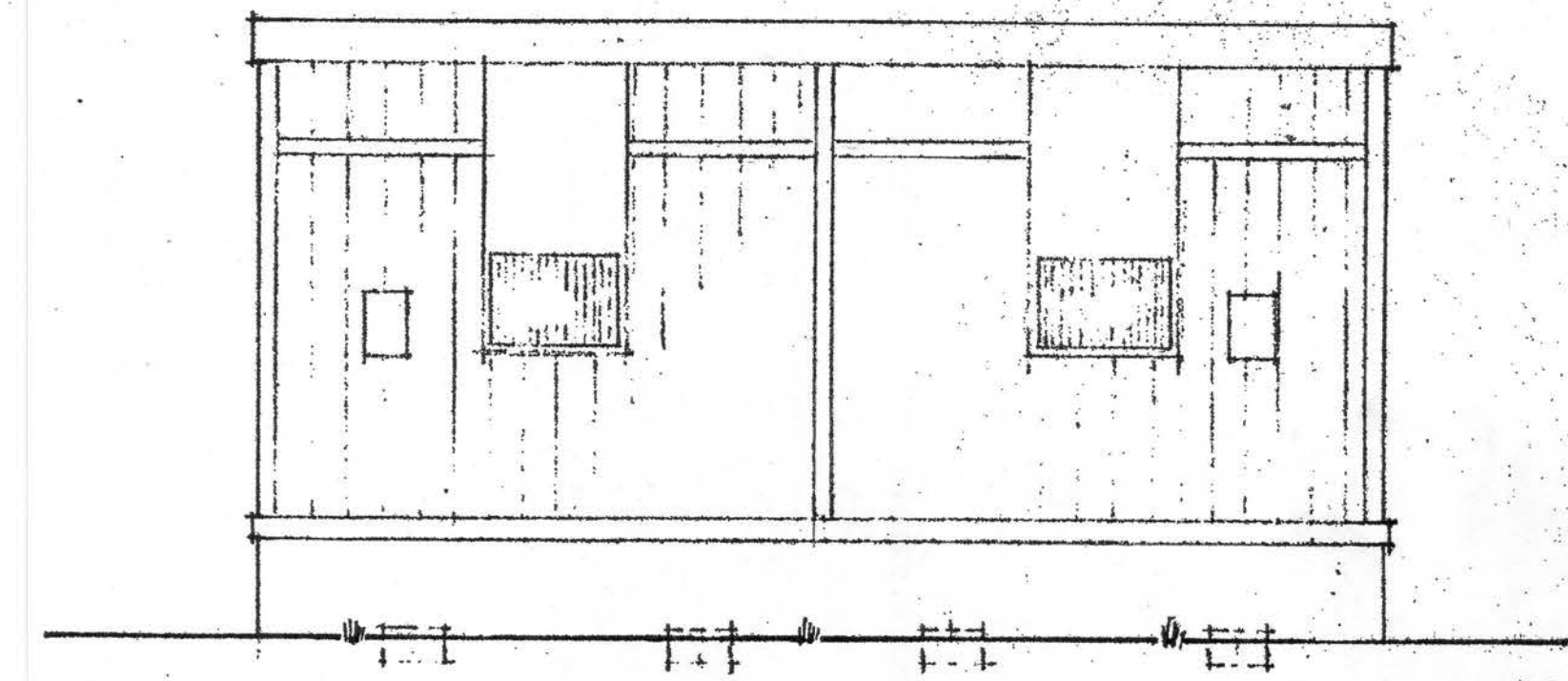




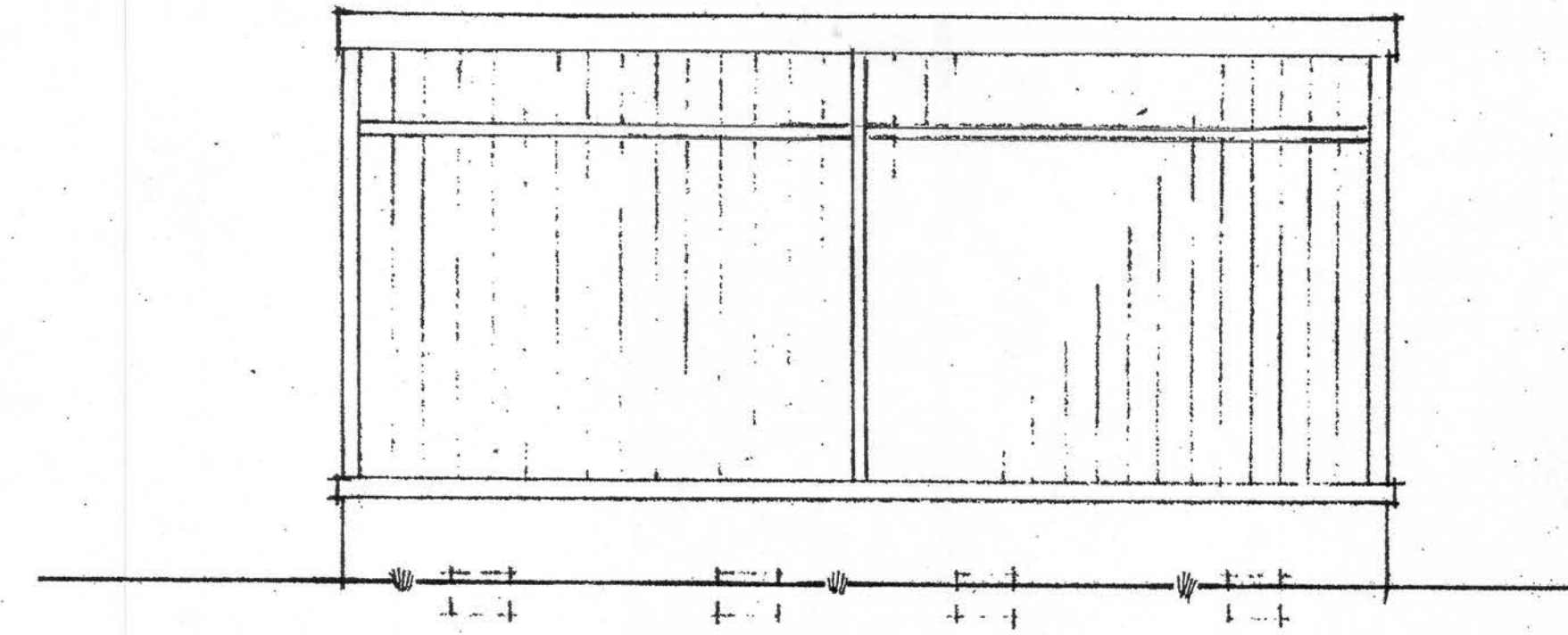
• FRONT ELEVATION •
• SCALE 1/4" = 1'-0" •



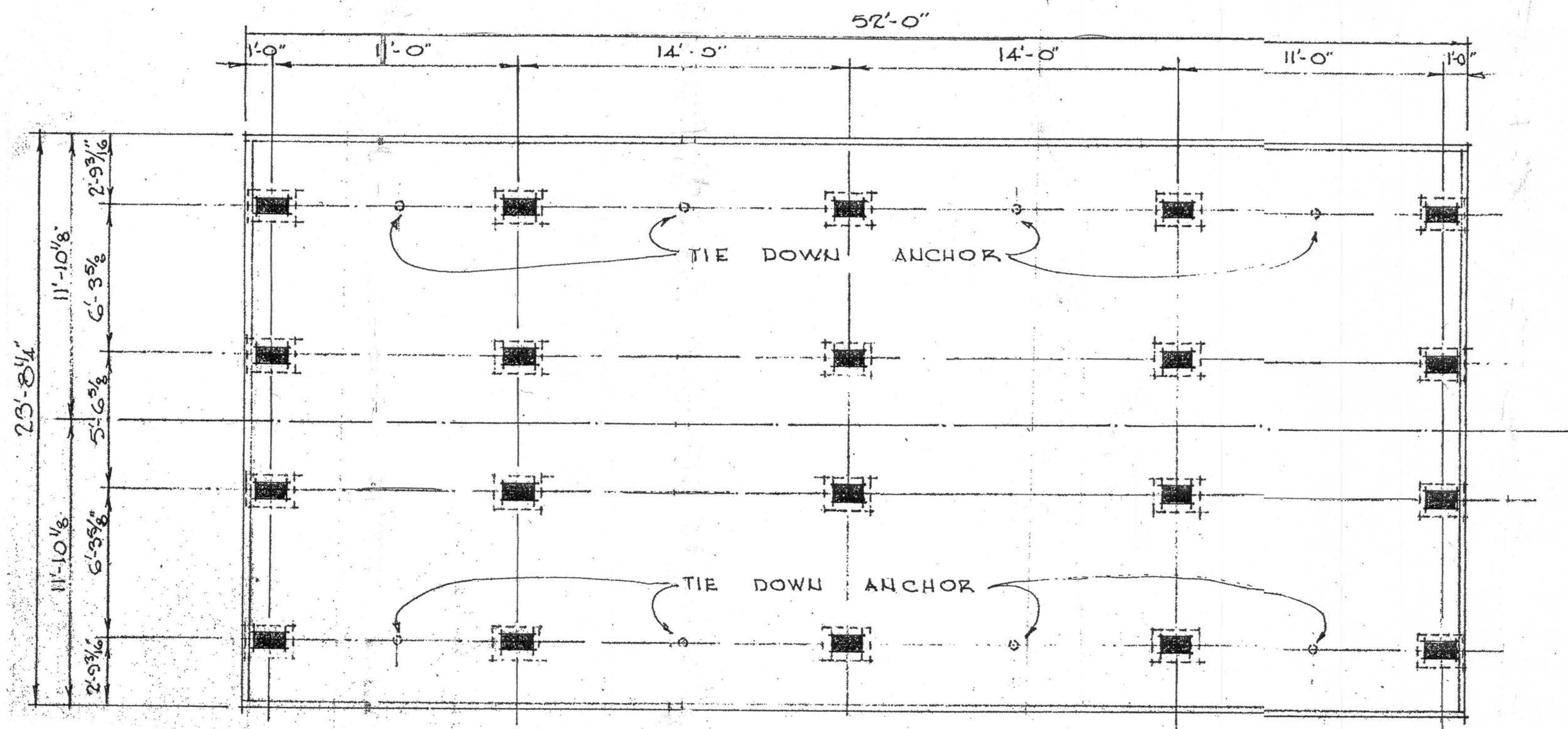
• REAR ELEVATION •
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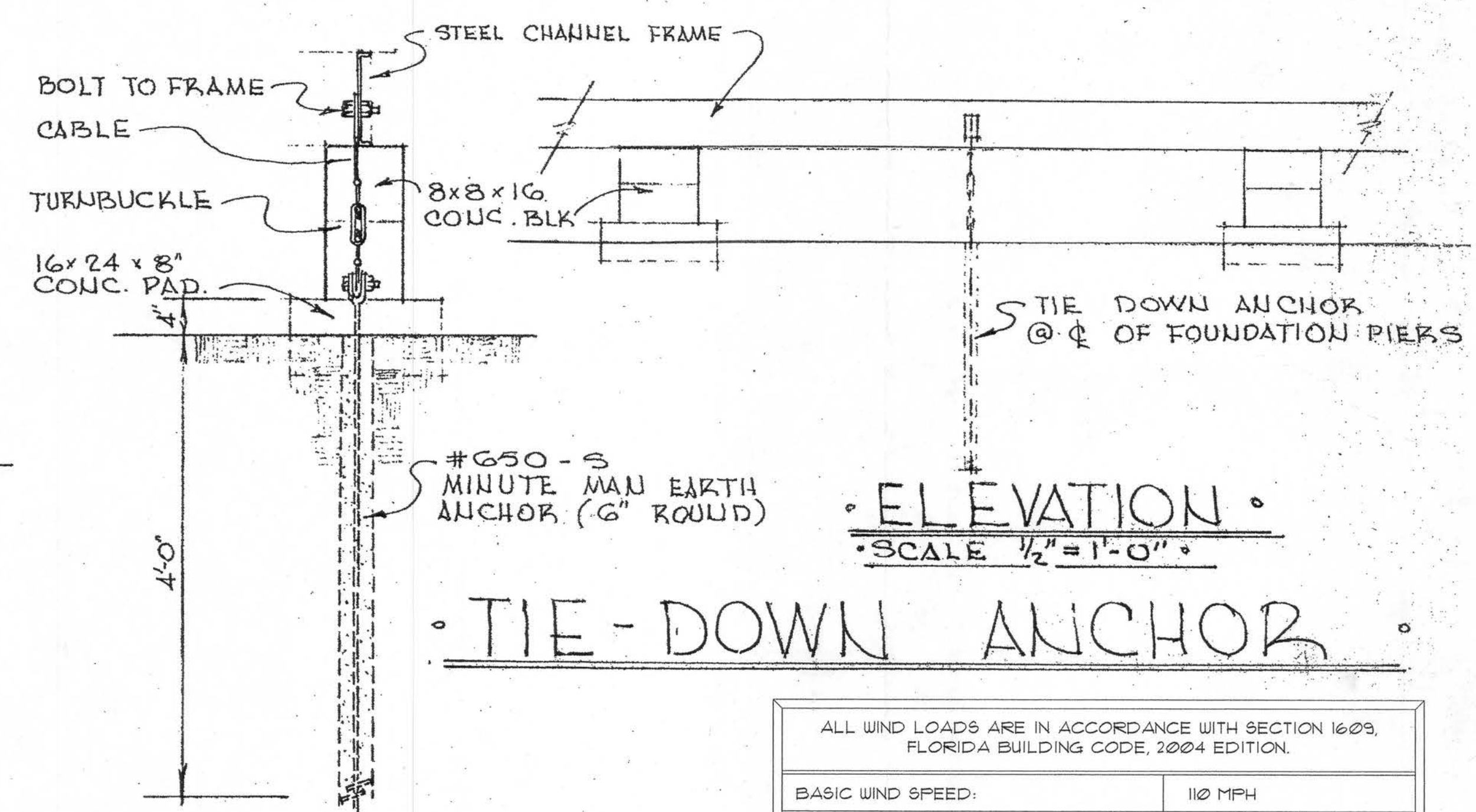
• RIGHT SIDE •



• LEFT SIDE •



• FOUNDATION PLAN •
• SCALE 1/2" = 1'-0" •



• SECTION •
• SCALE 1" = 1'-0" •

• ELEVATION •
• SCALE 1/2" = 1'-0" •

• TIE-DOWN ANCHOR •

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1603, FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1603.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1603.2B & 1603.2C (FBC 2004) DESIGN WIND PRESSURES:	OPINGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

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CONVERSION FROM PORTABLE CLASSROOM
FOR COX CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NG
NICHOLAS
PAUL
GEISLER
ARCHITECT
NATIONAL ARCHITECT

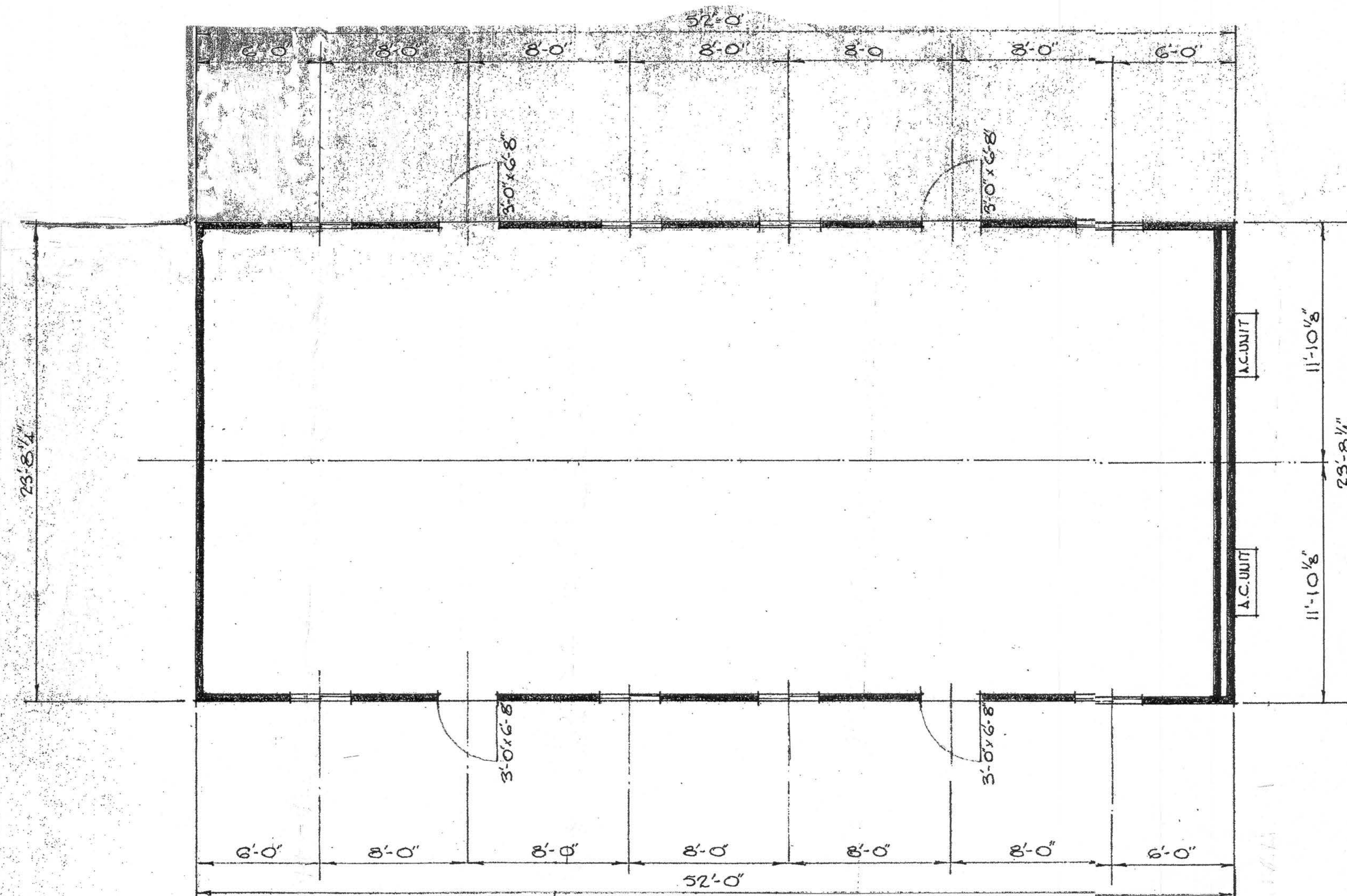
1755 NW Brown Rd.
Suite 200
Gainesville, FL 32609

DATE:
28 MAY 2007

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2K129

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1 of 3

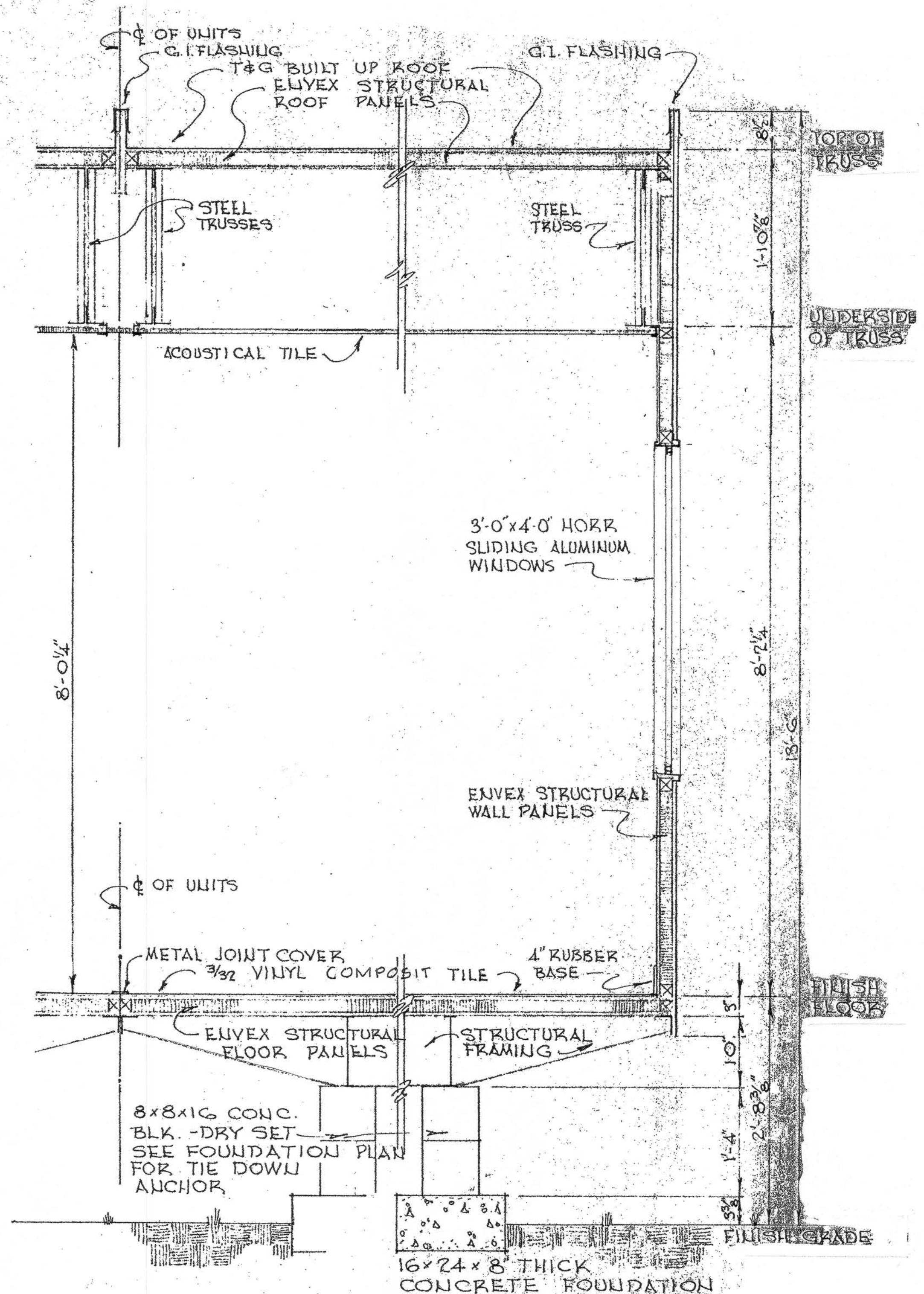
odyssey
AR0007005



FLOOR PLAN
SCALE 1/4"=1'-0"

FINISH SCHEDULE

- FLOOR - 12" x 12" x 3/32" VINYL COMPOSITION TILE
- BASE - 4" HIGH RUBBER BASE
- WALLS - PREFINISHED PLYWOOD PANELING "BARCELONA PECAN"
- CEILING - 1/2" x 24" x 48" ACOUSTICAL TILE "MICRO DRILLED PETITE" ON METAL SUSPENSION SYSTEM
- EXTERIOR - 5/8" TEXTURE 1-11 EXTERIOR GRADE PLYWOOD



SECTION
SCALE 1"=1'-0"

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FOR COX CONSTRUCTION
COLUMBIA COUNTY, FLORIDA

NICHOLAS GEISLER ARCHITECT
1758 NW Broward Rd.
Fort Lauderdale, FL 33305
352-755-9021
N.C.A.R.B. Certified

DATE:
28 MAY 2007

CONTRACT:
2K729

SHEET:
D.2
2 OF 3

AR0007005

These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or in connection with any other job without specific and written authorization by the architect.

DIVISION I
GENERAL REQUIREMENTS

1. GENERAL:
This specification describes the minimum requirements for the workmanship and materials to be incorporated in the portable classroom as manufactured by MOBILEASE CORPORATION, 11000 Wrigley Road, Lynwood, California 90242.

2. DESIGN REQUIREMENTS:
All classrooms have been designed to comply with the "Florida State Board of Education regulations, Chapter 6A-2, School Facilities 1972" for portable facilities.

Buildings shall achieve structural integrity by utilization of a ductile moment resistant space frame covered with structural insulated building panels on roof, floor, side and end walls.

A. Design Criteria
Roof Live Load: 25 lbs. per square foot on horizontal projection.
Wind Load: 125 miles per hour.
Floor Live Load: 70 lbs. per square foot.

B. Codes
Portable classroom units are designed to conform with the latest editions of the "National Building Code," and "National Electric Code" except where there is a local code which governs, the local code shall be used in the execution of the work.

APPROVALS:
All classrooms described herewith shall have received the following approvals in accordance with the Requirements of the State of Florida.

DIVISION II
STEEL FRAME FLOOR AND ROOF PANELS

SCOPE:
This contractor shall provide all labor, materials, equipment and services necessary to completely manufacture and erect all structural floor frames and panels, miscellaneous brackets, angles, and hardware as required for a complete job.

GENERAL REQUIREMENTS:
A. Shop Drawings: of all items specified herein may be submitted to the Owner for approval when so requested by the local authorities.
B. Workmanship: Fabricate metal items to shape and sizes indicated with sharp lines, angles and with smooth surfaces.
C. Manufacturer: Materials and systems herein are those of MOBILEASE CORP., Lynwood, California.
D. Temporary Bracing and Supports: shall be provided to maintain proper building position until walls and roof skins or permanent bracing is in place.
E. Reference Standards:
1. Code of Standard Practice for Metal Buildings and Recommended Design Practices Manual.
2. Light Gauge Cold-Formed Steel Design Manual.
3. Standard Code for Arc and Gas Welding in Building Construction.
4. AISI Specifications for Design, Fabrication and Erection of Structural Steel for Buildings.
5. Local Building Codes.

3. DETAIL REQUIREMENTS:
A. Materials:
1. **Framing:** The basic structural system is an all welded ductile moment resistant steel space frame with nominal dimensions of 12' x 52' x 11'. The bottom horizontal steel members are integral with the chassis, two vertical steel columns are on each end, and the top members are two long span steel trusses spanning 52', nominally. The structure has been designed under the rigid specifications of the American Institute of Steel Construction (AISC) for ductile moment resisting steel space frames to resist 25 psf roof live load and a 30 psf wind load.
2. **Trusses:** The Trusses are a Steel Joist Institute type L J series open-web long span steel truss, top cord pitched two ways, underslung with bearing on the top cord and with the bottom cord extended and tied into the end frame support in order to aid in developing a moment connection at each end. These trusses are designed and manufactured under the specifications of the Steel Joist Institute, AISC specifications and Uniform Building Code 1970 Edition. The truss has been designed to resist the added forces induced into the system when considering it to be as a moment resistant steel space frame.
3. **Floor Panels:** As a floor, the standard 4 x 8 ENVEK Panel spans 4' o.c. providing a 110 psf allowable live loading for a 1/360 deflection limitation. In addition to this strength, the panel produces an insulated floor assembly which provides an R Value of 18 (unfilled and uncarpeted) (U-0.056). As the insulation is concealed and thus fully protected within the panels, it is never exposed below the floor to dirt, road grease, or moisture; and therefore the R Value of the assembly does not deteriorate over time as would be the case in most all other insulation materials.
The standard Floor Panel top skin consists of at least a 1/2" C-C Exterior Grade DFLA Plywood. The Floor Panels are staggered with tongue and groove (long edges) fastened 6" o.c. with staples equivalent to 5d nails.
4. **Roof Panels:** Roof Panels are applied to the EXTENSER frame similarly to the Floor Panels. Cross-members between the trusses are spaced 4' o.c. with panels staggered perpendicular to the span of the cross-member so that each panel is continuous over at least one.
B. Erection:
1. All steel framing and trusses shall be connected with continuous arc welds. All girth angles shall be attached to frame with continuous bead arc welds at all contact edges.
2. Steel frames of divisible units shall be connected by bolts as shown on drawings.
3. Floor panels are to be connected to frame with bolts as shown on drawings.
4. All cracks in top surface of floor panels are to be filled and sanded smooth and made ready to receive finish floor.
5. All structural steel shall be given a complete protective prime coat.
C. Finish Floor:
1. All finish floors shall be standard gauge 3/32" x 12" x 12" vinyl comp. tile installed with adhesive approved by the tile manufacturer.
Four inch (4") top set rubber or vinyl cove base shall be installed at all wall intersections.

DIVISION III
WALL PANELS

1. SCOPE:
This contractor shall provide all materials, labor, equipment and services necessary to completely manufacture and erect all wall panels, including all trim and flashing members, all fastenings, miscellaneous hardware, door and window bucks. The intent of these specifications is to provide a complete job, ready for occupancy, whether or not each item is specifically mentioned.

2. GENERAL REQUIREMENTS:
A. Shop Drawings: of items specified herein may be submitted to the Owner for approval, when so requested by the local authorities.
B. Workmanship: Fabricate metal items to shape and sizes indicated with sharp lines, angles and with smooth surfaces.
C. Manufacturer: Material and systems specified herein are those of MOBILEASE CORP., Lynwood, California.
D. Temporary Bracing and Supports: shall be provided to maintain proper building position until walls and roof skins or permanent bracing is in place.
E. Reference Standards:
1. Code of Standard Practice for Metal Buildings and Recommended Design Practices Manual.
2. Local Building Code.
F. Colors: shall be selected by Owner from manufacturer's standard colors. Paint for touch-up work required in field shall be provided by manufacturer. Touch-up paints, when dry in place, shall match factory applied finishes.

3. DETAIL REQUIREMENTS:
A. Side Walls: All side wall panels are ENVEK Panels. Exterior skin material is a 5/8" T-I-II skirting down to tie below the floor panel into the steel frame with self drilling and self tapping metal fasteners (TEK or equal). Interior skin material is at least a 5/16" C-C Exterior Grade Sheathing.
B. The Fixed End/Mechanical Wall: This is the one wall which is required to be a permanent shear resisting element. It takes advantage of its permanency by concentrating all permanent electrical and mechanical systems within this area.
C. Finish: All interior and exterior finishes shall be selected from the manufacturers standards and shall comply with standards required by the State Department of Education.

DIVISION IV
WINDOWS AND DOORS

1. ALUMINUM WINDOWS:
A. General: Windows shall be 4'0" x 3' 0" horizontal sliding design similar or equal to that manufactured by Mercer.
B. Construction: Frame and sash members shall be neatly fitted together in such a manner as to form a weather tight joint, and securely fastened with cadmium plated steel or aluminum screws as appropriate.
1. **Materials:** All frames and sash members shall be extruded aluminum alloy. Frame and sash members shall be neatly fitted together in such a manner as to form a weather tight joint, and securely fastened with cadmium plated steel or aluminum screws, as appropriate.
2. **Hardware:** Hardware having component parts which are exposed shall be aluminum, non-magnetic stainless steel, or other non-corrosive materials which are compatible with aluminum and of sufficient strength to perform the functions for which they are used. A corrosion resistant lock-device shall be provided to securely fasten the sash when in the closed position.
C. Finish: All exposed aluminum surfaces shall be standard mill finish with natural uniform color, and free from surface defects.

2. METAL DOORS:
Doors shall be STEELCRAFT PD-1 3068 Steel Door with 22 x 30 polished wire fixed glass panel. Mounted right or left hand reverse on 16 gauge steel jamb with 4-1/2 x 4-1/2 butt hinges and 36" threshold and sweep or equal.

DIVISION V
ACOUSTICAL CEILING

1. SCOPE:
This contractor shall provide all materials, labor and equipment necessary to install the suspended ceiling system.

2. MATERIALS:
A. Acoustical Tile: shall be SIMPSON Ducton, P E T micro drilled 17" x 21"-0" x 4'-0" or equal.
B. Suspension System: shall be CONWELD fire rated (F/R) ceiling suspension system or equal.
C. Suspension: shall be 2' 14 gauge wire and #108 machine screw eyes, three per main runner or equal.

3. INSTALLATION:
Ceiling tile and suspension system shall be installed in strict accordance with manufacturer's standards to achieve a level ceiling.

DIVISION VI
ROOFING AND FLASHING

1. SCOPE:
Three-ply built-up asbestos cap class "A" hot mopped 20 year roof. Trusses are peaked at center and tapered front to back with 1/8" to 1" slope at fully applied load. Redwood fascia/splash blocks provide a funnel flow at the end of the 2' overhang on each end.

2. MATERIALS:
A. Roofing: BIRD - Number W2-MP-80, 20 year bond asbestos mineral surface or equal
B. Flashing: 28 gauge galvanized or equal
C. Gravel Stop and End Drip Edge: 28 gauge galvanized or equal

3. INSTALLATION: of all roofing materials shall be in strict accordance with manufacturer's requirements.

DIVISION VII
MECHANICAL SYSTEM

1. SCOPE:
Furnish and install a complete Heating and Air-Conditioning System in accordance with these drawings.

2. MATERIALS:
A. Air Conditioner: BARD - 36WAI, 10KW, Beige or equal
B. Thermostat: HONEYWELL - T872A - 1030 - 1 Heat-Cool Thermostat 24V Control, Range 44-86F. With G672 subbase and 133722A clear cover, Beige plate
C. Main Trunk Line: OWENS/CORNING type 800 FR (HD) 48 x 120 U.L. Class I Rigid Duct Board or equal
D. Flexible Duct: OWENS/CORNING or NORFLEX U.L. Class I Rated Flexible Duct 8" diameter or equal
E. Take off Rounds: NORFLEX 8" spin-in fitting or equal
F. Ductwrap: OWENS/CORNING type P unforced insulating blanket for use up to 250° or equal.
G. Register: AIRMATE T-5044-0 4 way Fixed Vane Diffuser, 12 x 12, White or equal.
H. B-Box: 12 x 12 x 4 box with 8" openings 24 gauge galvanized.
I. Supply Boot: 8-1/2 x 28-1/2 24 Gauge Galvanized
J. Strapping: 5/8" Avistrap AMERICAN VISCOSE or equal
K. Foam Tape: ARMSTRONG Armaflex insulation tape 1/3 x 2 or equal
L. Duct Tape: NASHUA #357 Cloth Tape 2" or equal Cat. 163700

3. INSTALLATION: of all components of heating and air-conditioning system shall be in strict accordance with manufacturer's requirements.

DIVISION VIII
ELECTRICAL

1. SCOPE:
Furnish and install a complete electrical system in accordance with all applicable codes.

2. MATERIALS:
A. Lighting Fixtures: shall be WESTINGHOUSE lay in fixtures 24 x 48 with 4 4W Tube in accordance with drawings.
B. Service Panel: shall be 125 Amp. Bryant exterior mounted weather-tight 12-24 ROM or equal.
C. EMT: 3/4" EMT U.L. and fittings
D. Boxes: BOWERS - 4s - 3/4" or equal
BOWERS - 4s d Special 1/2 - 3/4 or equal
E. Weatherproof Box: DEWITT 1/2 or 3/4 or equal heavy duty weather resistant and fittings or equal
F. Stop/Tail Lights: K-D #200-2621 Stop and Tail Light or equal
G. Harness: EXTRON Cable C16-3E 16 Gauge cable harness or equal
H. Low Voltage Switching System: GENERAL ELECTRIC - 24 Volt transformer (RT-3), 2 Relays (443) Rectifier (RA9), Switch (RFS6), 2001 Specification #53087-3 wire or equal
*All Electrical components to carry U.L. approval.

3. INSTALLATION:
All electrical work shall be in strict accordance with all local, state and national codes applicable.

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NG
NICHOLAS
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd
386-753-6051

DATE:
28 MAY 2001

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