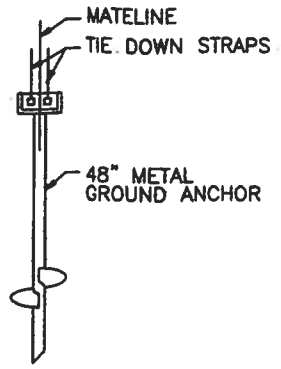
MATERIAL SPECIFICATIONS
SOIL/ SITE PREPARATION
1. Foundation design is based on an allowable soil bearing pressure of 2000 PSF. Any soil conditions that may differ from that described shall be brought to the attention of the Architect/ Engineer prior to placement of the modular units.
2. Foundations shall be built on undisturbed soil or properly compacted fill material. Compacted soils shall be tested to a minimum of 95 % of modified proctor in accordance with ASTM D 1557.
3. Excavations for foundations shall be backfilled with soil, which is free of organic material, construction debris, and larger rocks.
4. This Foundation design is specifically designed for this type of soil as per the Soil Report.
BASE PAD
1. Pier footing type base pad shall be a minimum 16"x 18" ABS foundation pad as manufactured by tie down engineering and shall have a minimum of 2.00 sq. ft. bearing capacity.
2. Concrete in footing shall have a specified compressive strength of no less than 2500 PSI (17.238 kPA) at 28 days.
MASONRY UNIT
1. Piers shall be constructed with normal 8"x8"x16" concrete masonry units conforming to ASTM C-90.
ALT. PIER- METAL STANDS
. Metal Pier footing shall be single 18.5"x18.5" Oliver Technologies type ABS pad. Alternate: PP1818 or 16"x 22-1/2" ABS foundation pads as manufactured by tie down Architect or equal, or minimum 16"x 16"x 4", 3000 PSI concrete pad.
2. Concrete in footing shall have a specified compressive strength of no less than 3000 PSI (17.238 kPA) at 28 days.
METAL STANDS
1. An acceptable metal Pier shall be the DP series MDP 16 through 32 deluxe mobile home pier as manufactured by Minute Man Anchors, Inc. or equal. Placement of piers on the required foundation base pad shall be as indicated on the plan and installation shall be per the manufacturers written instructions.

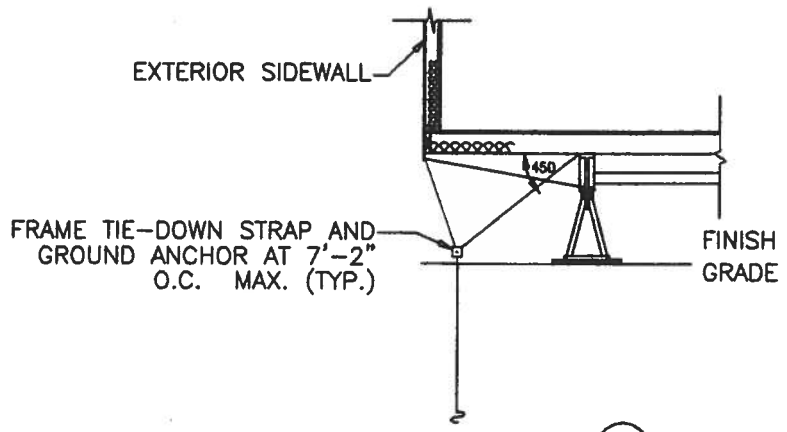
WOOD/ SHIM MATERIAL
1. All wood blocking and shims shall be cedar or pressure treated.

INSTALLATION SPECIFICATIONS
SOIL/ SITE PREPARATION
1. Where water impacts the ground from a roof valley, down spout, scupper or other rainwater collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation.
2. Finish grade shall be sloped away from the foundation for drainage. The area under footings, foundations and concrete slabs on grade shall have all vegetation, stumps, roots and foreign materials removed prior to their construction. Fill material shall be free of vegetation and foreign material.
MASONRY UNIT
1. Long dimension of all piers shall be installed perpendicular to the frame. Maximum four units high (32"); unless otherwise noted by engineer.
2. Concrete masonry units shall conform to the ASTM C 90 standard.
3. Construction of dry-stacked, surface-bonded masonry walls when specified, including stacking and leveling of units, mixing and application of mortar, curing and protection shall comply with ASTM C 946.
ALT. PIER- METAL STANDS
1. Placement of Piers on the required foundation base pad shall be as indicated on the plans and installation shall be per the manufacturer's written instructions.
TIE DOWNS STRAPS
1. The first tie-down strap from the endwalls shall not exceed 2'-0".
2. Maximum tie-down spacing shall not exceed 7'-2" o.c.
3. Refer to the plan for the minimum number of required tie down anchors.

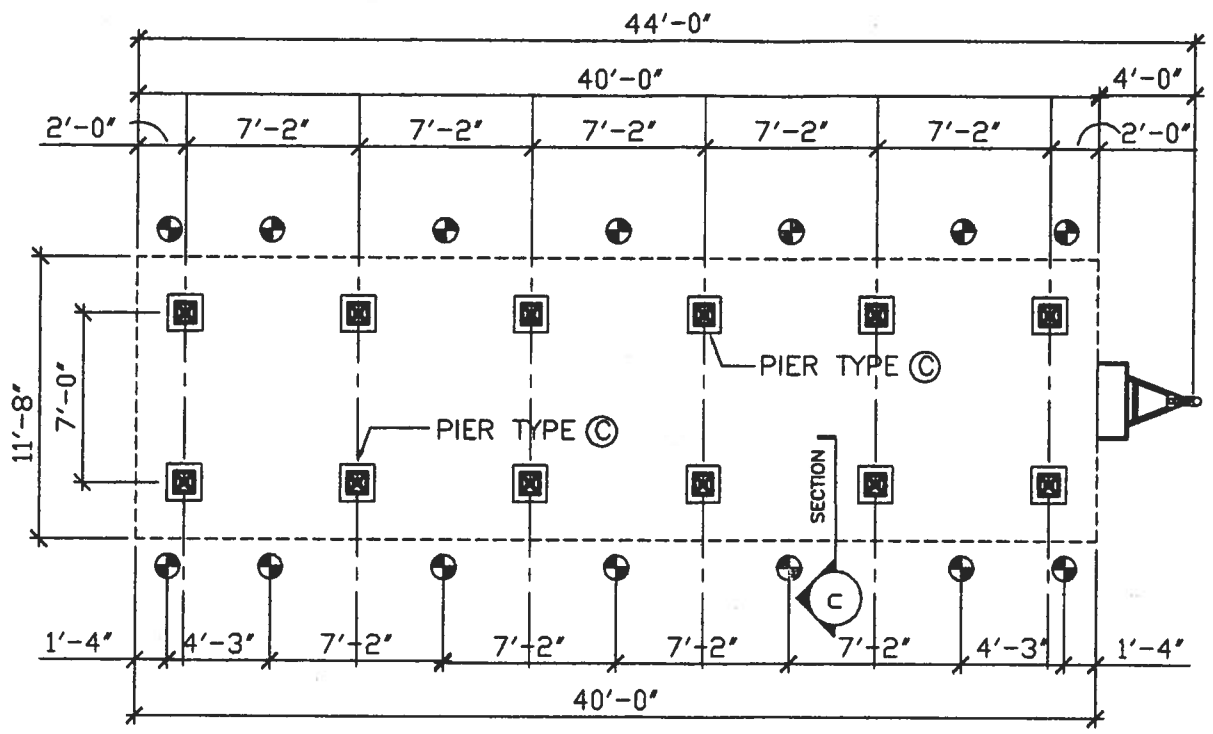
GROUND ANCHOR NOTE:
Stabilizer plates are not required with installation. However, any unstable soil conditions that may impact the ground anchor's ability to resist uplift shall be brought to the attention of the Architect/ Engineer for attention.



GROUND ANCHOR



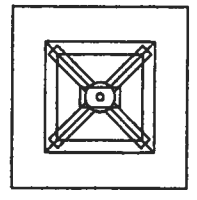
SECTION C

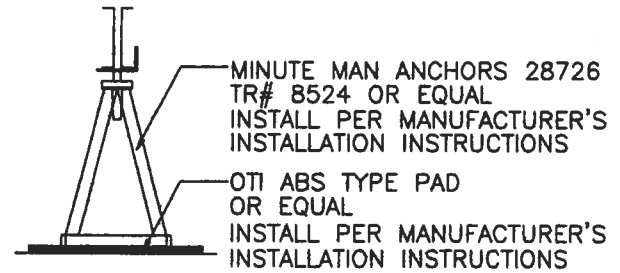


40x12 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

Florida Building Code 2004- with 2005 and 2006 supplements-130 MPH

COMPLIANCE STATEMENT
THE DETAILS PROVIDED IN THIS FOUNDATION PLAN FOR THIS CONSTRUCTION HAVE BEEN DESIGNED IN ACCORDANCE WITH 2004 BUILDING CODE FOR DESIGN PRESSURES GENERATED BY A DESIGN WIND VELOCITY OF 130 MPH.
1. BASIC WIND SPEED 130 MPH
2. WIND IMPORTANCE FACTOR 1=1.0: BUILDING CATEGORY II
3. WIND EXPOSURE: B
4. INTERNAL PRESSURE COEFFICIENT: +-0.18
5. COMPONENTS AND CLADDING: +-35.3PSF, -47.2 PSF


PIER TYPE © PLAN



PIER TYPE © ELEVATION

Note:
Contractor may use either Metal Stand Pier 'C' or dry stacked CMU type pier 'A' , mix match as needed. Follow manufacturer's specifications and installation instructions.

Jim Ervin 2/19/07

JIM ERVIN...
ARCHITECTURAL DESIGN SERVICE
9546 STARHAWK DRIVE, UNIT B
TALLAHASSEE, FL 32308
(904) 545-6035
FL ARC. # 0011528
EJ DESIGN

WILLIAMS SCOTSMAN
MOBILE OFFICE 40x12
1-800-782-1500

PRJ # gaf0507-#92
DATE: 8/20/07
REVISION
DRAWN BY: GAF
REVIEWED BY: JE . . .
SCALE:

DRAWING NO.
A1
1 OF 1 DWGS.