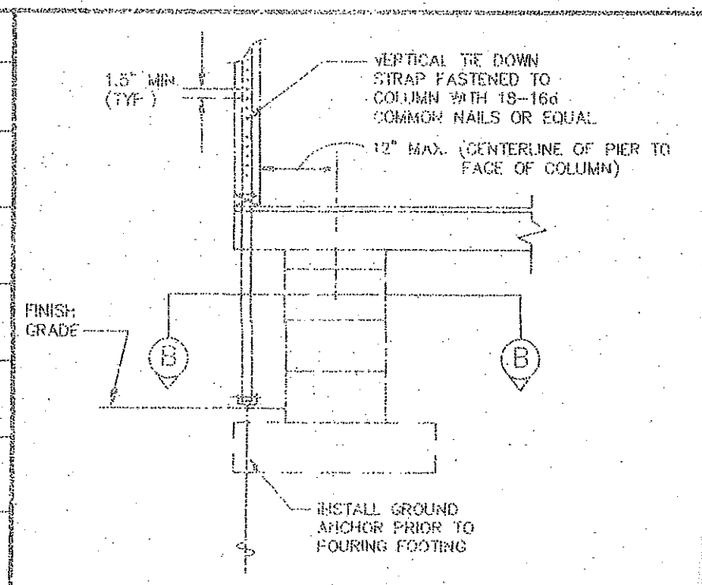
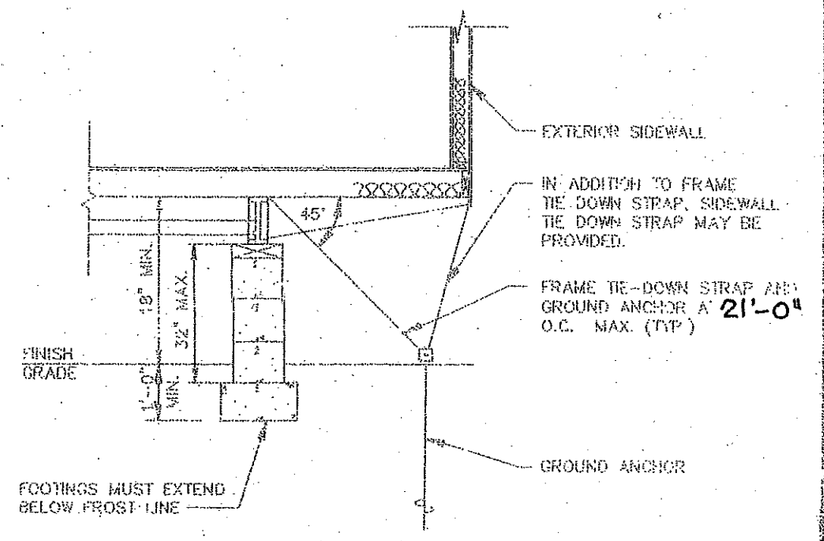
NOTE:
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

MARRIAGE WALL PIER REQUIREMENTS

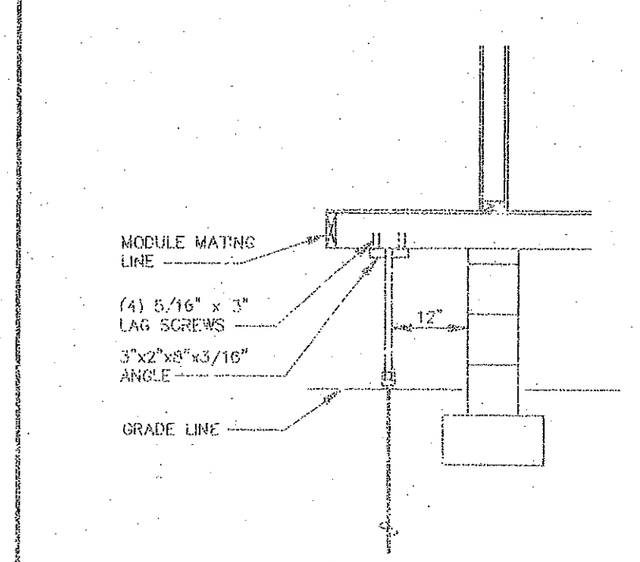
PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	3000 PSF	C	1
	3000 PSF	B	
2	2000 PSF	B	1
	3000 PSF	A	
3	2000 PSF	C	1
	3000 PSF	C	
4	2000 PSF	B	—
	3000 PSF	B	
5	2000 PSF	B	—
	3000 PSF	A	
6	2000 PSF	A	—
	3000 PSF	A	



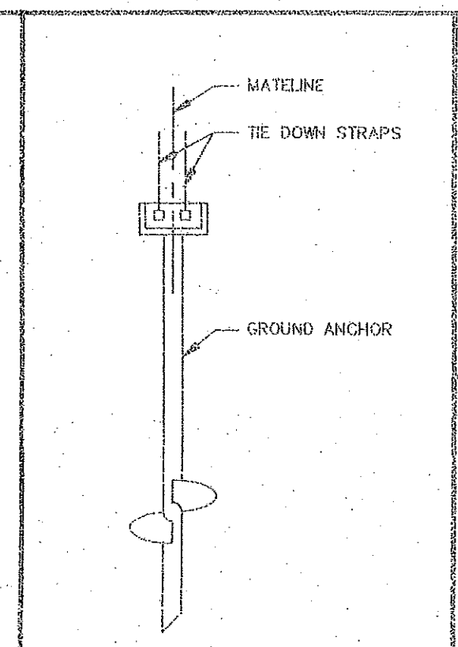
VERTICAL TIE DOWN STRAP DETAIL



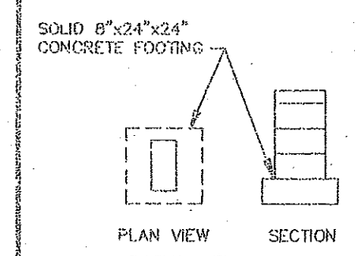
SECTION A-A



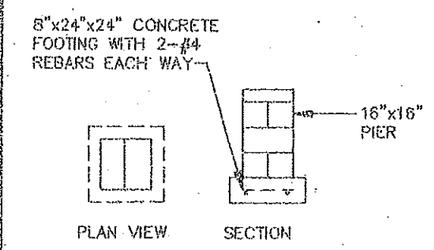
PIER TYPE 'X'



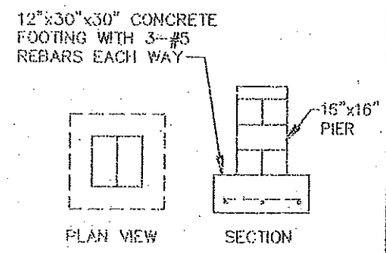
SECTION C-C



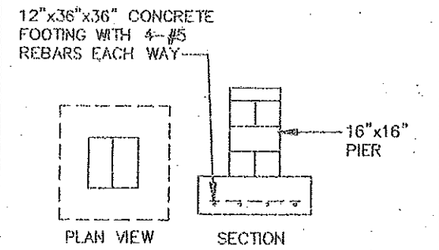
PIER TYPE A



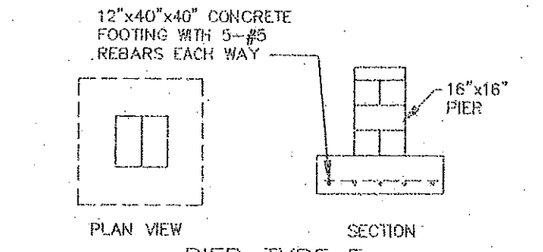
PIER TYPE B



PIER TYPE C



PIER TYPE D



PIER TYPE E

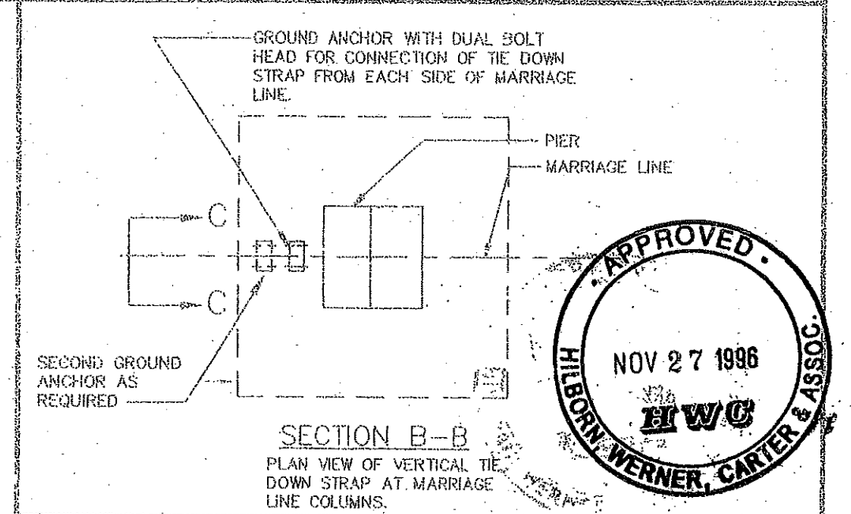
FOUNDATION DIMENSIONS

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
11'-8"	32¼"	75½"

D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY
10'-0" 10'-0"	2000 PSF 3000 PSF

FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1 1/4"x .035" TYP-1, FINISH 5, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. GROUND ANCHORS SHALL HAVE 3150# MINIMUM WORKING CAPACITY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AT DISCRETION OF THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE. [illegible] IF SOIL HOLDING OR PULLOUT CAPACITIES DESIGNED [illegible] ARE LESS THAN ALLOWABLE VALUES SPECIFIED [illegible] ARCHITECT [illegible] ENGINEER MAY SPECIFY AN ALTERNATE [illegible]
4. THE FIRST TIE-DOWN STRAP FROM EACH END WALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED
5. ALL PIERS SHALL BE CONSTRUCTED OF 8"x 8"x 16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. ALL PIERS SHALL BE CAPPED WITH 4" SOLID CONCRETE CAPS, FULL LENGTH OF PIER.
9. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS (MANUFACTURER'S RECOMMENDATION ONLY - OPTIONAL WHEN NOT USED). SHIM AS NECESSARY FOR SETTLEMENT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY OF DOORS AFTER INSTALLATION OF BUILDING IS COMPLETE.



SECTION B-B
PLAN VIEW OF VERTICAL TIE DOWN STRAP AT MARRIAGE LINE COLUMNS.

SUNSHINE MANUFACTURED STRUCTURES
HWY. 52 SOUTH · ROCKWELL, N.C. | 28138

DATE: 11-22-96
SCALE: --NTS--
CODES: N.C.
LABELS: HWC, N.C.

THIRD PARTY: HWC & ASSOCIATES, INC.
1627 SOUTH MYRTLE AVE.
CLEARWATER, FL 34616

REVISIONS: | BY: KRC

TRI 3666 3637 ABC.

FOUNDATION PLAN

JOB NO. 1920-1148

SHEET 3A OF 4

