DESIGN CRITERIA:

BUILDING CODE INTERNATIONAL BUILDING CODE/2003

LIVE LOAD
- DWELLING UNITS 40 PSF
- PUBLIC CORRIDORS AND STAIRS 100 PSF

DEAD LOAD
- FLOORS 17 PSF
- ROOF 17 PSF

SNOW LOAD
- GROUND SNOW LOAD 60 PSF
- EXPOSURE FACTOR, Ce 1.0
- THERMAL FACTOR, Ct 1.0
- IMPORTANCE FACTOR, Is 1.0
- FLAT ROOF SNOW LOAD, Pf 42 PSF

WIND LOAD
- BASIC WIND SPEED (3 SEC GUST) 100 MPH
- BASIC VELOCITY PRESSURE, Pv 18.5 PSF
- IMPORTANCE FACTOR, Iw 1.0
- EXPOSURE C
- BUILDING CATEGORY I

EARTHQUAKE DESIGN DATA:
- SEISMIC IMPORTANCE FACTOR, Ie 1.0
- SEISMIC USE GROUP I
- SHORT PERIOD SPECTRAL ACCELERATION, Ss 0.375
- 1 SEC PERIOD SPECTRAL ACCELERATION, S1 0.10
- SITE CLASS D
- SHORT PERIOD 5%DAMPED SPECTRAL RESPONSE ACCELERATION, Sds 0.38
- 1 SEC 5% DAMPED SPECTRAL RESPONSE ACCELERATION, Sd1 0.16
- SEISMIC DESIGN CATEGORY C
- BASIC SEISMIC FORCE RESISTING SYSTEM LIGHT-FRAMED WALLS WITH SHEAR PANELS
- DESIGN BASE SHEAR, V 19.7K
- RESPONSE MODIFICATION FACTOR,R 6.5
- ANALYSIS PROCEDURE SIMPLIFIED ANALYSIS PROCEDURE

CONCRETE:

CONCRETE WORK SHALL COMPLY WITH ACI 318-02, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI-301-99, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".

CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTHOF 3000 PSI.

CONCRETE THAT IS EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED.

CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVE COLD AND HOT TEMPERATURES IN ACCORDANCE WITH ACI STANDARDS.

PREFABRICATED WOOD TRUSSES:

PREFABRICATED WOOD TRUSSES SHALL COMPLY WITH THE FOLLOWING TRUSS PLATE INSTITUTE (TPI) PUBLICATIONS:

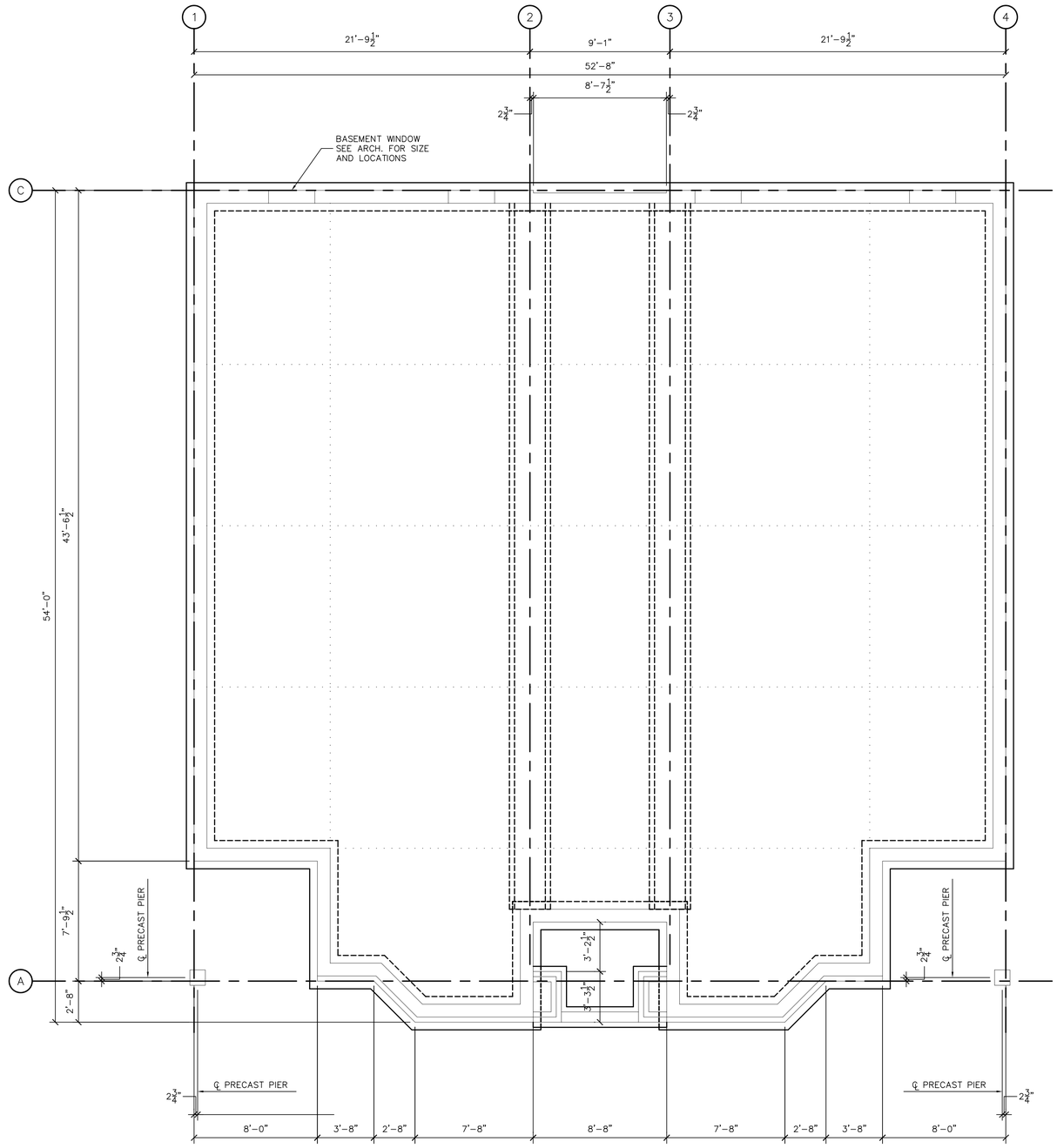
"DESIGN SPECIFICATIONN FOR METAL PLATE CONNECTED WOOD TRUSSES".
"COMMENTARY AND RECOMMENDATIONS FOR HANDLING AND ERECTING WOOD TRUSSES".
"COMMENTARY AND RECOMMENDATIONS FOR BRACING WOOD TRUSSES".
"QUALITY CONTROL MANUAL".

FLOOR AND ROOF TRUSSES SHALLL BE PARALLEL CHORD TRUSSES DESIGNED TO SUPPORT LOADS NOTED IN DESIGN CRITERIA INCLUDING THE EFFECTS OF LOADS TRANSFERED FROM LEVELS ABOVE AND LOAD COMBINATIONS REQUIRED BY IBC 2000.

SUBMIT DESIGN ANALYSIS AND TEST REPORTS INDICATING LOADING, SECTION MODULUS, ALLOWABLE STRESS, STRESS DIAGRAMS, CALCULATIONS AND SIMILAR INFORMATION NEEDED TO ENSURE THAT TRUSSES COMPLY WITH REQUIREMENTS.

SUBMIT SHOP DRAWINGS SHOWING SPECIES, SIZES AND STRESS GRADES OF LUMBER; PITCH, SPAN, CAMBER, CONFIGURATIONAND SPACING FOR EACH TYPE OF TRUSS; TYPE, SIZE, MATERIAL, FINISH, DESIGN VALUE AND LOCATION OF METAL CONNECTOR PLATES; BEARING AND ANCHORAGE DETAILS.

DESIGN ANALYSIS AND SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF MAINE.



FOUNDATION PLAN
1/4"=1'-0"

(XX'-X") INDICATES TOP OF CONCRETE ELEVATION.

(XX'-X") INDICATES TOP OF FOOTING ELEVATION.

SUMNER COURT
A QUALITY RESIDENTIAL DEVELOPMENT BY FORT SUMNER, LLC
117 SHERIDAN STREET, PORTLAND, MAINE

TFH ARCHITECTS
100 COMMERCIAL STREET
PORTLAND MAINE 04101
TELEPHONE 207 775 6141
ARCHITECTURE PLANNING

CONSULTANTS:

REVISIONS:

DATE:	February 3, 2005
PROJECT No.	04057
DRAWN BY:	DJT
CHECKED BY:	DJT
SCALE:	1/4"=1'-0"

SHEET TITLE:
Foundation Plan
General Notes

S1-1