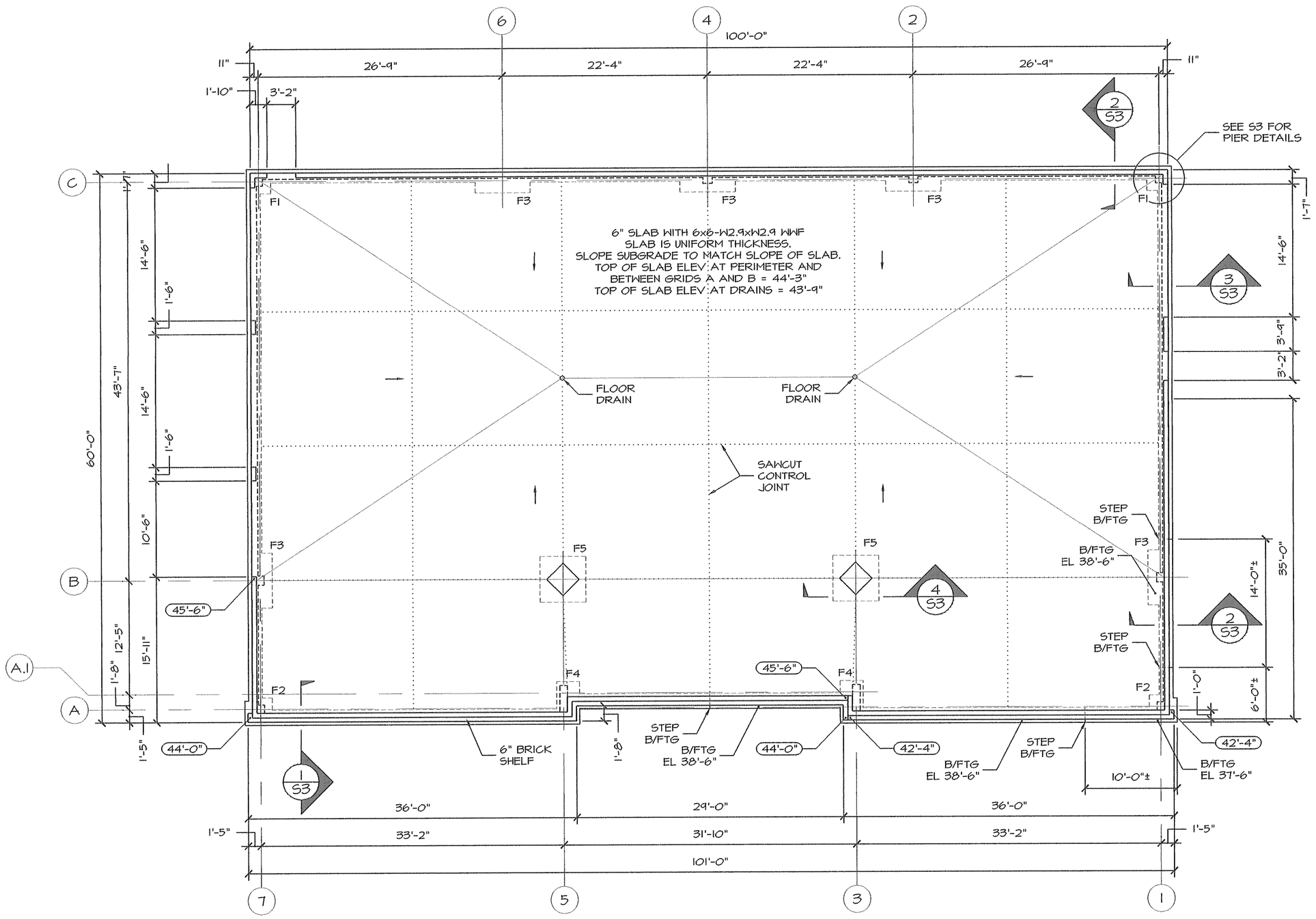

FOUNDATION PLAN

1/8"=1'-0"

TOP OF CONCRETE WALL EL. = 45'-0" UNLESS NOTED (XX'-X")

TOP OF CONCRETE AT INTERIOR SLAB SHELF, PIER AND DOOR BONDOUT EL. = 43'-7".

TOP OF MASONRY VENEER SHELF EL. NOTED (XX'-X")

BOTTOM OF FOOTING EL = 39'-9" UNLESS NOTED B/FTG EL = XX'-X".

FX INDICATES FOOTING TYPE. SEE S3.

SLAB-ON-GRADE SHALL BEAR ON A VAPOR BARRIER OVERLYING 6" OF COMPACTED STRUCTURAL FILL.

REFER TO "REPORT ON SUBSURFACE AND FOUNDATION INVESTIGATION" PREPARED BY SEBAGO TECHNICS DATED MAR. 5, 2010 FOR INFORMATION ON SUBSURFACE CONDITIONS, CONSTRUCTION CONSIDERATIONS AND RECOMMENDATIONS.

GENERAL NOTES

NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO DRAWING NOTES.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, EQUIPMENT, SITE AND SHOP DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL DIMENSIONS, ELEVATIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. THE CONTRACTOR SHALL DETERMINE ALL NECESSARY DIMENSIONS, ELEVATIONS AND CONDITIONS REQUIRED FOR THE FABRICATION AND ERECTION OF THE BUILDING'S COMPONENTS PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL ACCURATELY REFLECT THE GENERAL CONTRACTOR'S VERIFICATION OF FIELD CONDITIONS.

SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE GENERAL CONTRACTOR OR A SUBCONTRACTOR. REPRODUCTION OF ANY STRUCTURAL DRAWING FOR USE AS A SHOP DRAWING IS NOT ACCEPTABLE.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS SOLELY THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING TO ENSURE THE THE SAFETY OF THE BUILDING AND IT'S COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS AND/OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE GENERAL CONTRACTOR AFTER COMPLETION OF THE BUILDING.

SECTIONS AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL AND USED IN SIMILAR CONDITIONS.

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

DESIGN CRITERIA

BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE

DESIGN LOADS:

LIVE LOADS	
LOFT STORAGE	50 PSF
SNOW LOAD	
GROUND SNOW LOAD, Pg	60 PSF
SNOW EXPOSURE FACTOR, Ce	1.0
SNOW LOAD IMPORTANCE FACTOR, Is	1.0
THERMAL FACTOR, Ct	1.0
FLAT ROOF SNOW LOAD, Pf	42 PSF
WIND LOAD	
BASIC WIND SPEED (3 SEC GUST), V3s	100 MPH
WIND IMPORTANCE FACTOR, Iw	1.0
BUILDING CATEGORY	II
EXPOSURE CATEGORY	B
HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENT,	1.0
EARTHQUAKE DESIGN DATA	
SEISMIC IMPORTANCE FACTOR, Ie	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
0.2 SEC PERIOD, Ss	0.375
1 SEC PERIOD, S1	0.10
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	
0.2 PERIOD 5% DAMPED, Sds	0.37
1 SEC PERIOD 5% DAMPED, Sd1	0.16
SEISMIC DESIGN CATEGORY	C
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY CONCENTRIC BRACED FRAMES
DESIGN BASE SHEAR	13.3 KIPS
SEISMIC RESPONSE COEFFICIENT, Cs	4.5
RESPONSE MODIFICATION COEFFICIENT, R	5.0
SYSTEM OVERSTRENGTH FACTOR,	2.0
ANALYSIS PROCEDURE	SIMPLIFIED (ASCE 7-02 SECTION 9.5.4)

STATE OF MAINE
DAVID J. TETREAULT
No. 4840
REGISTERED PROFESSIONAL ENGINEER

Prepared For:

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Revisions:

Scale: 1/8" = 1'-0"

Date: 23 April, 2010

FOUNDATION PLAN
AND GENERAL NOTES

S1