

TIMBER PILE SCHEDULE			
PILE #	STATION	OFFSET	CUTOFF ELEVATION
1	(-) 14.35'	(+) 1.86'	88'-3"
2	(-) 14.08'	(+) 5.34'	88'-3"
3	(-) 4.93'	(+) 4.16'	88'-3"
4	(-) 1.43'	(+) 4.34'	88'-3"
5	(+) 11.63'	(+) 3.22'	88'-3"
6	(+) 11.86'	(+) 6.72'	88'-3"
7	(-) 12.14'	(+) 24.26'	89'-7"
8	(-) 11.79'	(+) 21.74'	89'-7"
9	(-) 8.98'	(+) 25.70'	89'-7"
10	(-) 1.76'	(+) 24.80'	89'-7"
11	(-) 1.52'	(+) 28.33'	89'-7"
12	(+) 10.54'	(+) 21.56'	89'-7"
13	(+) 13.41'	(+) 25.60'	89'-7"
14	(+) 13.65'	(+) 29.04'	89'-7"
15	(-) 13.13'	(+) 44.15'	89'-7"
16	(-) 9.64'	(+) 44.33'	89'-7"
17	(-) 2.13'	(+) 44.77'	89'-7"
18	(+) 1.36'	(+) 44.95'	89'-7"
19	(+) 11.12'	(+) 45.56'	89'-7"
20	(+) 14.62'	(+) 45.71'	89'-7"

ALL PILES ARE 40 TON DESIGN CAPACITY, HP12x53, GRADE 50, STEEL H-PILES.  
 PILES SHALL BE DRIVEN TO BEARING IN GLACIAL TILL OR BEDROCK.

SEE "REPORT ON SUBSURFACE AND FOUNDATION INVESTIGATION" PREPARED BY SEBAGO TECHNIQS DATED MAY 17, 2007 FOR ADDITIONAL INFORMATION AND PILE DRIVING CRITERIA.

**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 SAFETY OF THE BUILDING AND ITS 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.

**GRID LAYOUT NOTES**

NUMBERED GRIDS ARE PARALLEL TO THE NORTH EXTERIOR FACE OF 410 FORE STREET.

GRID A IS PARALLEL TO THE WEST EXTERIOR FACE OF 468 FORE STREET.

GRIDS B AND D ARE PERPENDICULAR TO NUMBERED GRIDS.

GRIDS C AND E ARE PARALLEL TO THE EAST EXTERIOR FACE OF 470 FORE STREET.

**DESIGN CRITERIA**

BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE

**DESIGN LOADS:**

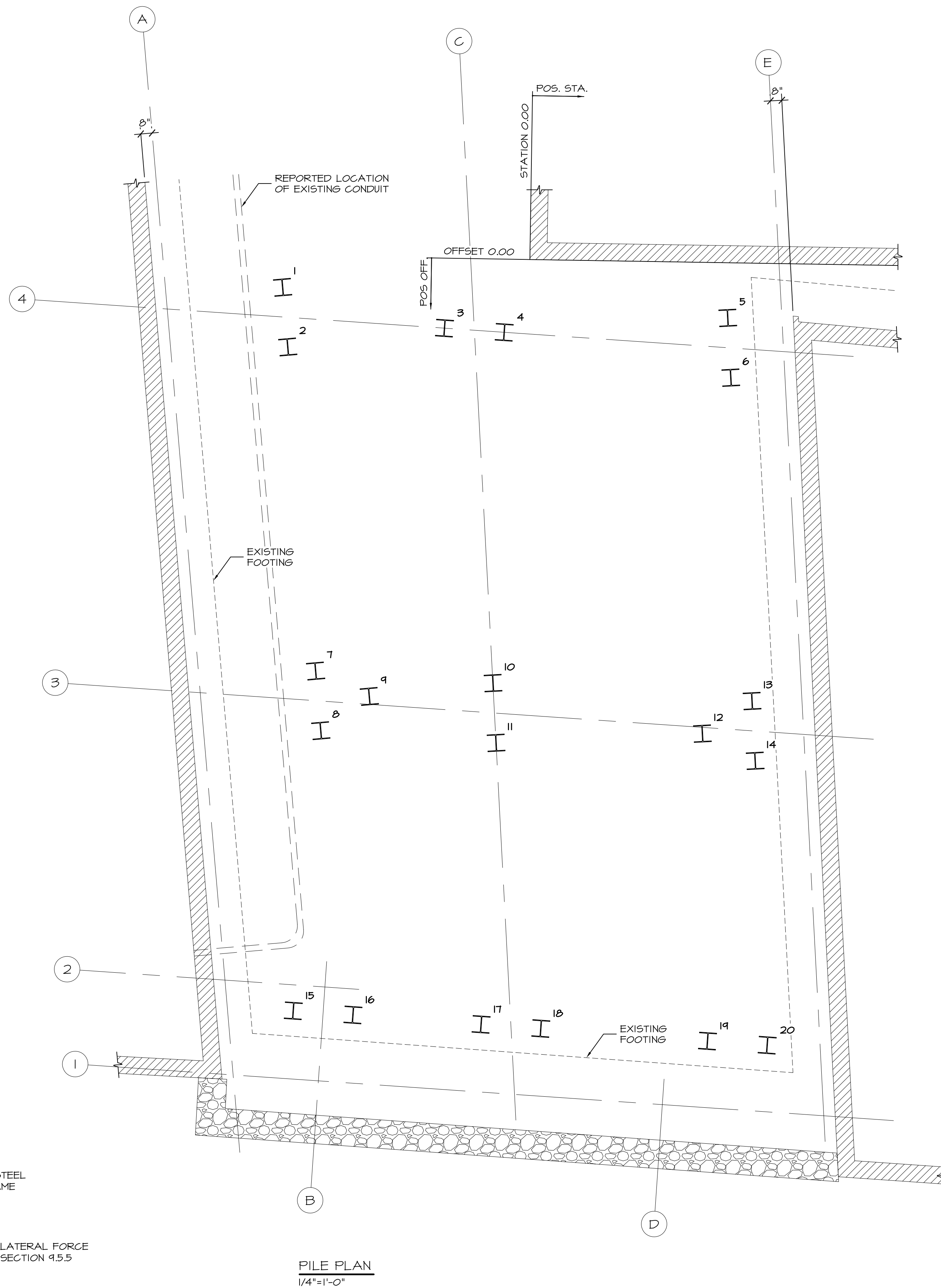
<b>LIVE LOADS</b>	
RETAIL	100 PSF
OFFICES	50 PSF
HOTEL SUITES	40 PSF
CONFERENCE	100 PSF
<b>SNOW LOAD</b>	
GROUND SNOW LOAD, P <sub>g</sub>	60 PSF
SNOW EXPOSURE FACTOR, C <sub>e</sub>	1.0
SNOW LOAD IMPORTANCE FACTOR, I <sub>s</sub>	1.0
THERMAL FACTOR, C <sub>t</sub>	1.0
FLAT ROOF SNOW LOAD, P <sub>f</sub>	42 PSF

<b>WIND LOAD</b>	
BASIC WIND SPEED (3 SEC GUST), V <sub>3s</sub>	100 MPH
WIND IMPORTANCE FACTOR, I <sub>w</sub>	1.0
BUILDING CATEGORY	I
EXPOSURE CATEGORY	B
HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENT, I <sub>z</sub>	1.12

<b>EARTHQUAKE DESIGN DATA (ASCE 7-02)</b>	
SEISMIC IMPORTANCE FACTOR, I <sub>e</sub>	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
0.2 SEC PERIOD, S <sub>s</sub>	0.37
1 SEC PERIOD, S <sub>1</sub>	0.10
SITE CLASS	D

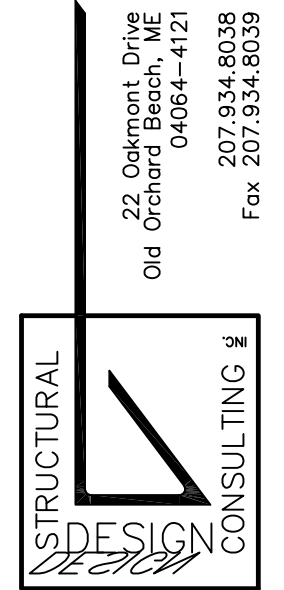
<b>SPECTRAL RESPONSE COEFFICIENTS</b>	
0.2 PERIOD 5% DAMPED, S <sub>ds</sub>	0.37
1 SEC PERIOD 5% DAMPED, S <sub>d1</sub>	0.16
<b>SEISMIC DESIGN CATEGORY</b>	C
<b>BASIC SEISMIC-FORCE-RESISTING SYSTEM</b>	ORDINARY STEEL MOMENT FRAME
	84 KIPS

<b>DESIGN BASE SHEAR</b>	3.0
<b>SEISMIC RESPONSE COEFFICIENT, C<sub>d</sub></b>	3.5
<b>RESPONSE MODIFICATION FACTOR, R</b>	3.0
<b>SYSTEM OVERSTRENGTH FACTOR, R<sub>o</sub></b>	3.0
<b>ANALYSIS PROCEDURE</b>	EQUIVALENT LATERAL FORCE PER ASCE 7 SECTION 4.5.5



**PILE PLAN**  
1/4"=1'-0"

SEE "REPORT ON SUBSURFACE AND FOUNDATION INVESTIGATION, PROPOSED ADDITION PORTLAND HARBOR HOTEL" PREPARED BY SEBAGO TECHNIQS, DATED MAY 17, 2007 FOR SUBSURFACE INFORMATION AND PILE DRIVING CRITERIA.



OWNER:	468 FORE STREET REALTY LLC PORTLAND, ME 04101	
	ARCHETYPE, P.A. ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056	PROJECT: PORTLAND HARBOR HOTEL ANNEX FORE STREET PORTLAND, MAINE
DATE	17 Aug 2007	REVISIONS:
SCALE	1/4"=1'-0"	Pricing Set 100% - 17 Aug 2007 Addendum 1 - 31 Aug 2007
General Notes Pile Schedule Pile Layout Plan		
<b>S1</b>		

