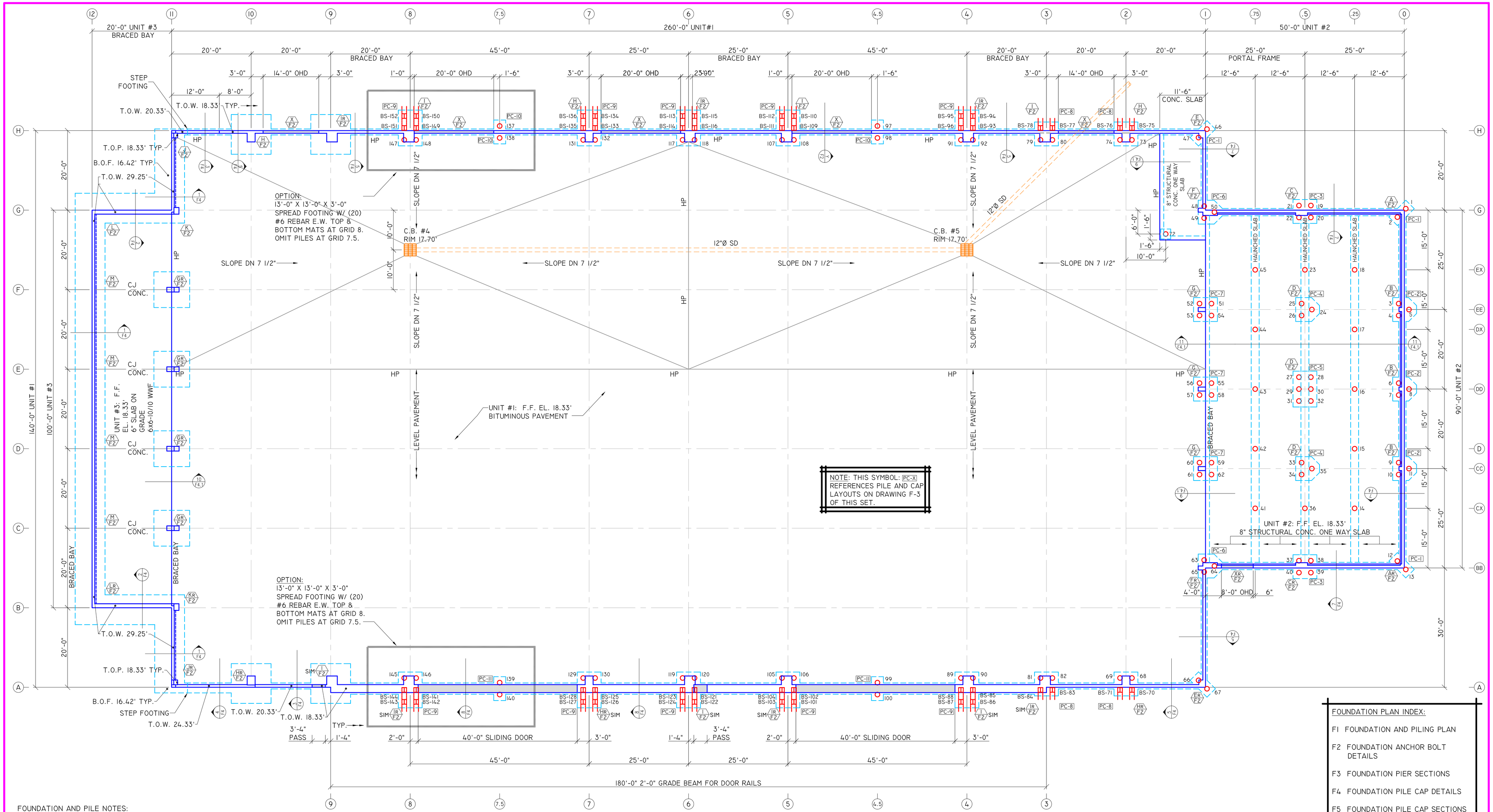

NOTE: THIS SYMBOL: PC-X REFERENCES PILE AND CAP LAYOUTS ON DRAWING F-3 OF THIS SET.

FOUNDATION PLAN INDEX:

FOUNDATION AND PILE NOTES:

1. DESIGN LIVE LOADS: ROOF = 50PSF + 3PSF COLLATERAL + DRIFTING ON UNIT TWO. FLOOR LIVE LOAD = 100 PSF. WIND LOAD IS 90MPH. EXPOSURE C.
2. DESIGN BASED UPON 1999 BOCA BUILDING CODE.
3. FOUNDATION IS DESIGNED AS A SPLIT SYSTEM USING BEARING PILES FOR CENTER AND SOUTHERN PORTION OF BUILDING DUE TO POOR SOIL CONDITIONS. THE NORTHER PORTION OF THE BUILDING IS DESIGNED AS SPREAD FOOTINGS RESTING ON 12 INCH THICK STONE MAT AND DESIGNED FOR 2000PSF BEARING PRESSURE.
4. WOOD PILES ARE TO BE TREATED CCA = 1.0# CLASS B TIMBER PILES MEETING ASTM D-25 AND HAVING 25 TON DESIGN CAPACITY. WOOD PILES ARE NUMBERED AND SHOWN AS A CIRCLE ON THE PLAN.
5. STEEL PILES ARE TO BE HP 10X42 WITH A DESIGN CAPACITY OF 40 TONS AND FITTED WITH STEEL DRIVING POINTS. THE STEEL PILES ARE BEING USED AS BATTERED PILES AND ARE TO BE BATTERED AWAY FROM THE BUILDING AT A SLOPE OF 3 FT VERTICAL TO 1 FT HORIZONTAL. BATTERED STEEL PILES ARE NUMBERED AND PREFIXED WITH "BS" AND ARE SHOWN ON PLANS AS "H" AND DIRECTION OF BATTER.
6. ALL PILES ARE DESIGNED AS BEARING PILES. PILE DRIVING LOG SHALL BE MAINTAINED FOR EACH NUMBERED PILE, NOTING FINAL LENGTH AND BLOW COUNT.
7. WOOD PILES ARE TO BE DRIVEN UNTIL A BLOW COUNT OF 3 BLOWS PER INCH IS OBTAINED FOR THREE CONSECUTIVE INCHES. CAUTION IS URGED FOR POSSIBLE BURIED OBSTRUCTIONS. OBSTRUCTIONS ARE TO BE DUG OUT IF LESS THAN 10 FEET DOWN. OTHERWISE, EXTRA PILES MAY NEED TO BE DRIVEN UPON CONSULTATION WITH THE ENGINEER OF RECORD.
8. STEEL PILES ARE TO BE DRIVEN UNTIL A BLOW COUNT OF 5 BLOWS PER INCH IS OBTAINED FOR THREE CONSECUTIVE INCHES. SEE NOTE 7 RELATING TO POSSIBLE BURRIED OBSTRUCTIONS AND EXTRA PILES.
9. ALL PILES ARE TO BE ORIENTATED AND LAID OUT AS SHOWN AND TO BE LOCATED WITHIN 3 INCHES OF THE DIMENSIONS CALLED FOR.
10. ALL PILES ARE TO HAVE CUT OFF TOPS TREATED WITH CREOSOTE OR EQUAL AND TO EXTEND INTO PILE CAP A MINIMUM OF 6 INCHES.
11. FOUNDATION CONCRETE IS TO BE 3000PSI CONCRETE AT 28 DAY COMPRESSIVE STRENGTH. FLOOR SLAB (STRUCTURAL 8", 6" SLAB ON GRADE, AND ELEVATED 3 ½") CONCRETE SHALL BE 3500PSI AT 28 DAYS.
12. ALL REBAR TO BE GRADE 60 AND ASTM A-615.
13. LAP ALL REBAR SPLICES 36 BAR DIAMETERS. (#4 BAR = 1'-6" #5 BAR = 2'-0", #6 BAR = 2'-3", #7 BAR = 2'-8").
14. FOUNDATION MUST BE SQUARE, LEVEL, PLUMB AND SMOOTH. LOCATE ANCHOR BOLTS BY MEANS OF A TEMPLATE. DO NOT HAND SET ANCHOR BOLTS.
15. ANCHOR BOLTS MUST BE ASTM A-307, EXCEPT 1 ¼" X 36" ANCHOR RODS MUST BE ASTM A-325 THREADED ROD.

Construction

DATE	REVISION
06/03/04	ISSUED FOR FOUNDATION PERMIT

EST. NO	83406
SIZE	
TYPE	
DRAWN BY	DGF-RS
APPROVED BY	SPD
SCALE	3/32"=1'-0"
DATE	04/07/04

Engineering Designs For
MAINE YACHT CENTER
100 KENSINGTON STREET
PORTLAND, MAINE

Title
FOUNDATION AND PILING PLAN

JOB NO. 030017
ENGINEERING DWG. NO. F1

BUTLER DESIGN BUILDER

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