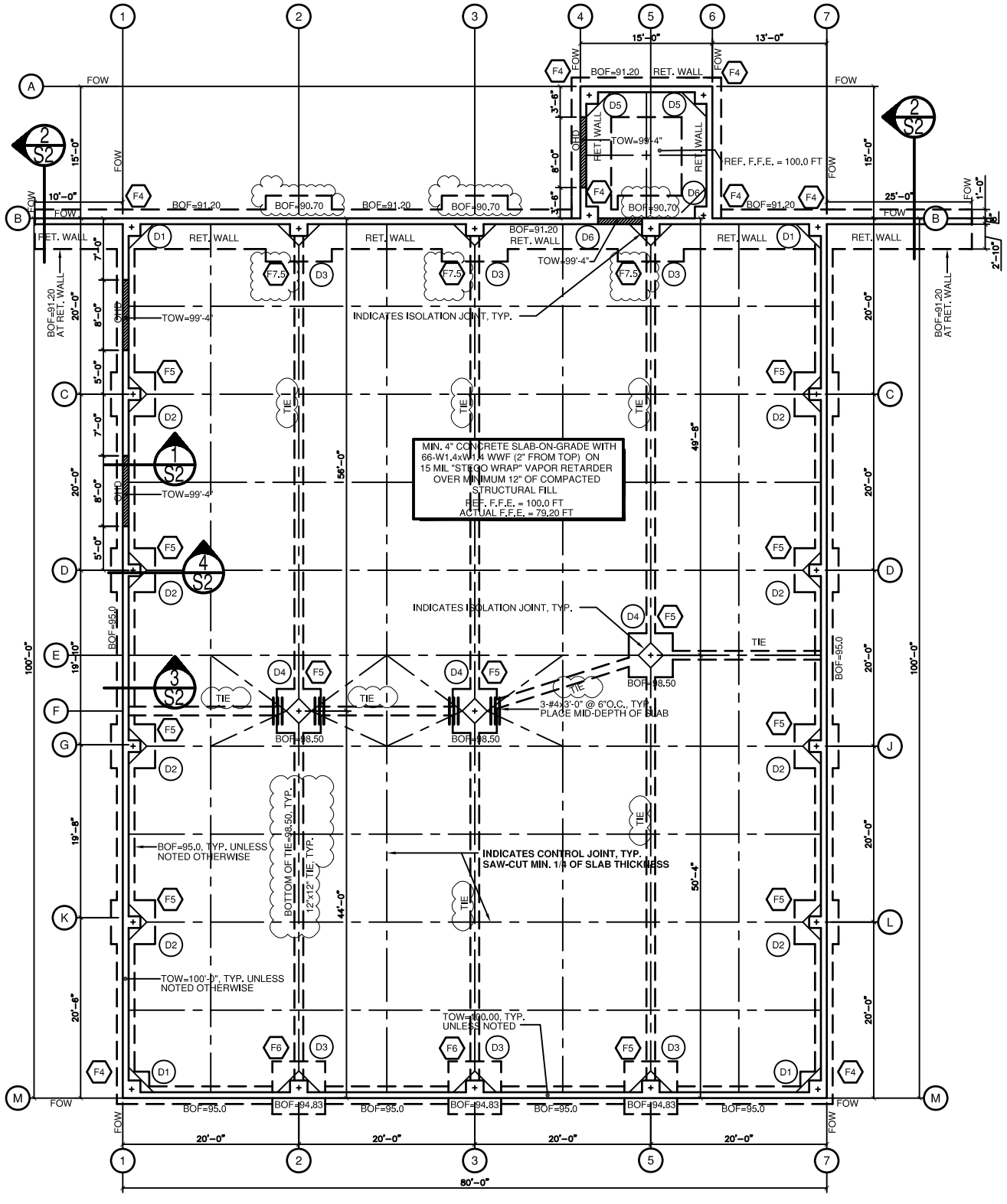
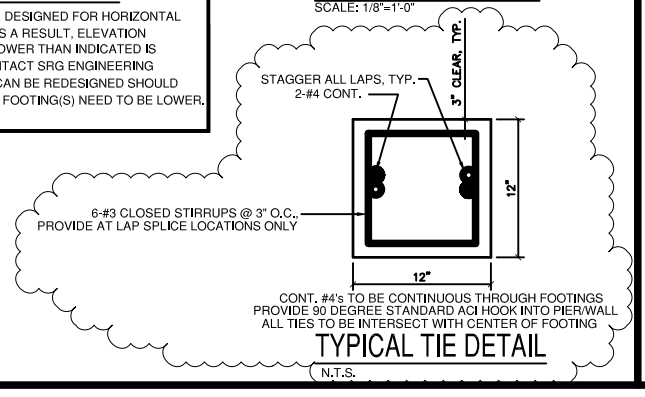
RE-ISSUED FOR CONSTRUCTION

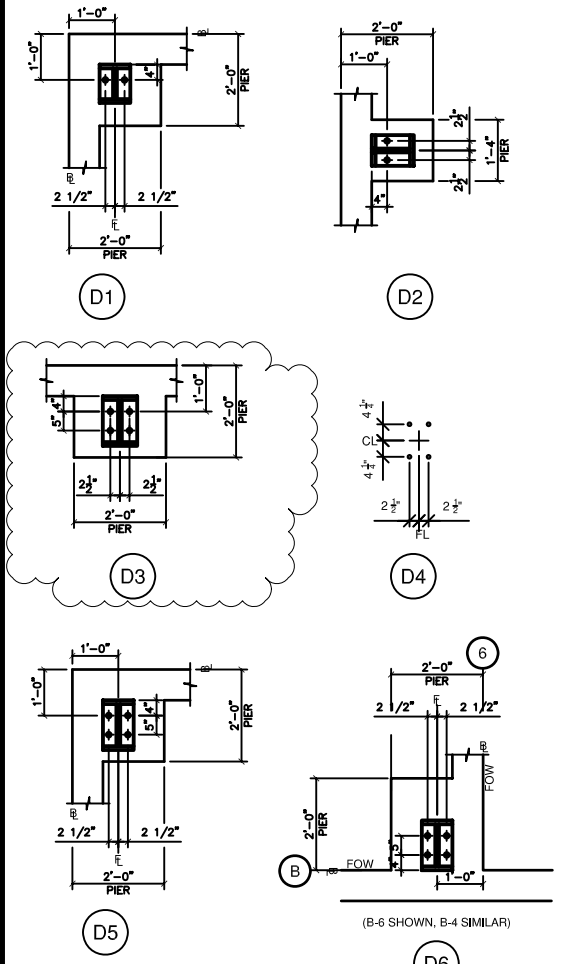


FOUNDATION PLAN
SCALE: 1/8"=1'-0"

**CONTRACTOR NOTE:
ALL COLUMN PIERS ARE DESIGNED FOR HORIZONTAL THRUST BY COLUMN. AS A RESULT, ELEVATION BOTTOM OF FOOTING LOWER THAN INDICATED IS NOT ACCEPTABLE. CONTACT SRG ENGINEERING SO ALL FOUNDATIONS CAN BE REDESIGNED SHOULD ELEVATION BOTTOM OF FOOTING(S) NEED TO BE LOWER.



TYPICAL TIE DETAIL
N.T.S.



CONTRACTOR NOTE:
CONTRACTOR TO CONFIRM PIER SIZE/ LOCATIONS, AND TOP OF CONCRETE ELEVATIONS WITH FINAL "VARCO PRUDEN" (VP) BUILDING PLANS.

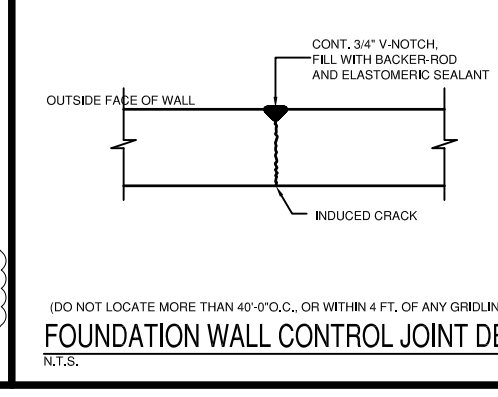
ANCHOR BOLT DETAILS

DIAMETER	SHAPE	LOCATION
3/4" ASTM A307 OR A36 T.B.	15" EMBED, 3" PROJECTION, NUT	SEE PIER DETAILS

ANCHOR BOLT NOTES:
1. CONTRACTOR TO CONFIRM ANCHOR ROD LAYOUT WITH METAL BUILDING MANUF. PRIOR TO SETTING ANCHOR BOLTS.
2. ANCHOR RODS TO MEET ASTM F1554 SPECIFICATION.
3. EMBEDMENT SHOWN IS MIN. TO "TOP" OF NUT.
4. SEE "VP" PLANS FOR 1/2" DIA. BOLT REQ'S AT FRAMED OPENINGS.

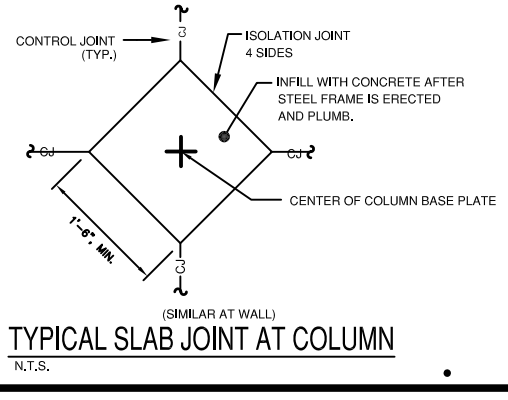
PIER DETAILS
N.T.S.
(ALL ANCHOR RODS TO BE 3/4" DIAMETER, UNLESS NOTED OTHERWISE)

APPROX. MAGNETIC NORTH



(DO NOT LOCATE MORE THAN 40'-0"O.C., OR WITHIN 4 FT. OF ANY GRIDLINE)

FOUNDATION WALL CONTROL JOINT DETAIL
N.T.S.

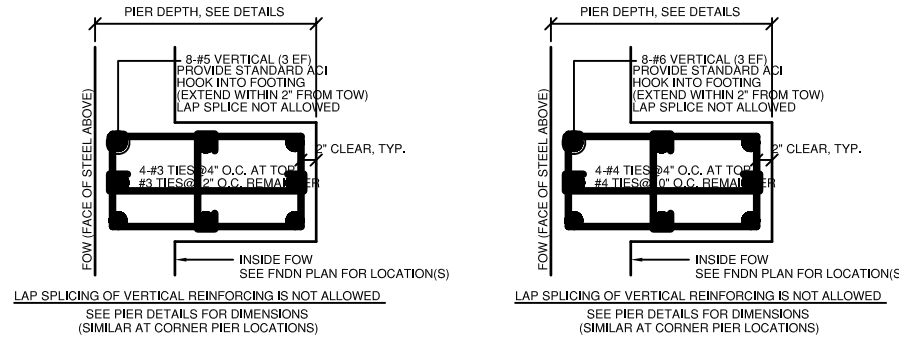


(SIMILAR AT WALL)

TYPICAL SLAB JOINT AT COLUMN
N.T.S.

FOOTING SCHEDULE

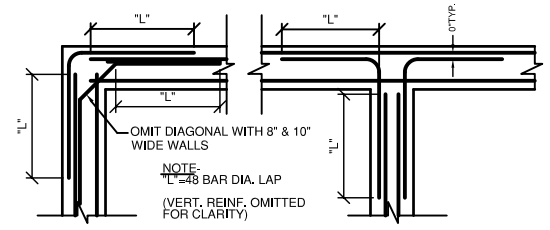
SYMBOL	SIZE (L X Th X W)	REINF. REQ'D	COMMENTS
F4	4'-0" x 1'-0" x 4'-0"	6 - #4 E.W.	BOTTOM REINF.
F5	5'-0" x 1'-0" x 5'-0"	7 - #4 E.W.	TOP & BOTTOM REINF.
F6	6'-0" x 1'-2" x 6'-0"	7 - #5 E.W.	TOP & BOTTOM REINF.
F7.5	7'-6" x 1'-6" x 7'-6"	7 - #6 E.W.	TOP & BOTTOM REINF.



TYPICAL, UNLESS NOTED

B-1, B-2, B-3, B-5, B-7

TYPICAL PLAN VIEW OF PIER REINF., UNLESS NOTED
N.T.S.



CORNER REINFORCING DETAIL
N.T.S.

FOUNDATION NOTES:

1. DESIGN MAXIMUM ASSUMED SOIL BEARING PRESSURE=3,000 PSF. PER S.W.COLE ENG., INC. REPORT DATED SEPTEMBER 10, 2007.
2. CONCRETE: WALLS & FOOTINGS: F'c=3,000 P.S.I., 3/4" AGGREGATE, MAX. W/C=0.50, TYPE I OR II CEMENT; 4 TO 6% ENT. AIR, SLUMP MIN. 1", MAX. 4". INTERIOR SLAB: F'c=3,000 P.S.I., 3/4" AGGREGATE, MAX. W/C=0.48, NO ENTRAINED AIR, TYPE I OR II CEMENT, SLUMP MIN. 1", MAX 3". EXTERIOR SLABS: F'c=4,500 P.S.I., 3/4" AGGREGATE, MAX. W/C=0.40, 4%-6% TOTAL AIR, TYPE I OR II CEMENT, SLUMP MIN. 1", MAX 3". (USE A MID-RANGE WATER REDUCER IF MORE WORKABILITY IS DESIRED.)
3. CONCRETE SUPPLIER IS TO SUBMIT MIX DESIGN(S) TO ENGINEER OF RECORD FOR EACH TYPE OF CONCRETE TO BE USED.
4. REINFORCING TO BE GRADE 60, NEW DEFORMED BARS. DO NOT "WET-STICK" REBAR OR ANCHOR BOLTS, NO EXCEPTION.
5. ALL FOUNDATION WALLS ARE 8" WIDE, UNLESS NOTED OTHERWISE ON PLANS.
6. UNLESS NOTED ON PIER DETAILS, ALL ANCHOR RODS ARE 3/4" DIA. ASTM F1554 A36 THREADED ROD WITH NUT EACH END, SEE DETAILS.
7. ALL FRAME AND WALK DOOR OPENINGS TO BE FIELD LOCATED.
8. G.C. TO VERIFY AND COORDINATE ALL LOCATIONS OF OVERHEAD DOORS (OHD), PEOPLE DOORS, AND LOADING DOCKS.
9. REF. ELEV. TOP OF FOUNDATION WALL = 100.0FT, TYP. UNLESS NOTED OTHERWISE THUS "TOW=". REF. ELEV. TOP OF PIER = 100.0 FT, TYP. UNLESS NOTED OTHERWISE THUS "TOP=". REFERENCE BOTTOM OF WALL FOOTING ELEVATION = 95.17 FT, TYPICAL U.N.O. THUS "BOF="
10. *ALL EXTERIOR FOOTINGS SHALL EXTEND 4'-6" BELOW FINISH GRADE (SEE NOTE THIS SHEET). UNLESS SPECIFIED DIFFERENTLY BY PROJECT GEOTECHNICAL ENGINEER.
11. ALL FOOTINGS TO BE CENTERED BELOW COLUMN BASE ABOVE.
12. SEE "VP" PLANS FOR ANCHOR ROD LOCATION, ORIENTATION, AND SIZE.
13. REFER TO JULY 3, 2002 S.W. COLE ENGINEERING, INC. GEOTECHNICAL ENGINEERING REPORT FOR ALL FOUNDATION, DRAINAGE, COMPACTION, BACKFILL, AND SUB-GRADE PREPARATION REQUIREMENTS.
14. G.C. TO DETERMINE SLAB PITCH REQUIRMENTS AND FIELD COORDINATE.
15. ALL STRUCTURAL FILL TO BE COMPACTED TO A MINIMUM OF 95% AS DETERMINED BY ASTM D-1557, UNO BY PROJECT GEOTECHNICAL ENGINEER.
16. CONTRACTOR TO COMPLY WITH LATEST PROVISIONS OF ACI 305 AND ACI 306 FOR HOT AND COLD WEATHER CONCRETING.
17. CONTRACTOR TO COMPLY WITH LATEST PROVISIONS OF ACI 304 FOR CONCRETE PLACEMENT.
18. CONTRACTOR TO SUBMIT DETAILED REINFORCING SHOP DRAWINGS TO SRG FOR REVIEW PRIOR TO CONSTRUCTION, NO EXCEPTION.
19. CALCIUM CHLORIDE IS NOT ALLOWED IN ANY CONCRETE AND WILL BE REJECTED IF IT IS ALLOWED IN CONCRETE MIX.
20. EACH CONCRETE TRUCK TO PROVIDE BATCH TICKET TO MATERIALS TESTING AGENCY BEFORE PLACEMENT, NO EXCEPTIONS.
21. PROVIDE SUPPORTS FOR REINFORCEMENT INCLUDING BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCING BARS AND WELDED WIRE FABRIC IN PLACE. USE WIRE BAR TYPE SUPPORTS COMPLYING WITH CRSI RECOMMENDATIONS, UNLESS OTHERWISE ACCEPTABLE TO ENGINEER. "WET STICKING" OF FNDN. REINFORCING AND ANCHOR BOLTS IS NOT ALLOWED (EXCEPT FOR CMU STRAIGHT BAR DOWELS) AND WILL BE REJECTED.
22. ALL SLABS TO BE WET-CURED FOR AT LEAST 7 DAYS.
23. FORM RELEASE AGENT TO BE APPLIED TO FORMS PRIOR TO PLACING REINFORCING. DO NOT LET FORM RELEASE AGENT COME IN CONTACT WITH REBAR, NO EXCEPTIONS.

REV:	BY:	DATE:	STATUS:
1	SRG	9-11-07	BOF AT GRID M-5
2	SRG	11-13-07	PIER AND FOOTINGS AT B-2, B-3, B-5 REVISED DUE TO UPDATED VP
3	SRG	11-20-07	REACTIONS FROM SW COLE SITE CLASS E SOILS IN 9-10-07 REPORT. TIES ADDED DUE TO SITE CLASS E SOILS , SDC D PER VP

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SRG ENGINEERING, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SRG ENGINEERING, INC.

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DRAWN	CHKD	DESIGN	EOR
SRG	SRG	SRG	SRG

PROJECT NO. 07-083

FOUNDATION PLAN AND DETAILS
OF
CAMP BOW WOW
PORTLAND, MAINE
FOR
PATCO CONSTRUCTION
SANFORD, MAINE

DATE	SCALE
09.10.2007	AS NOTED

SHEET S1 OF 2