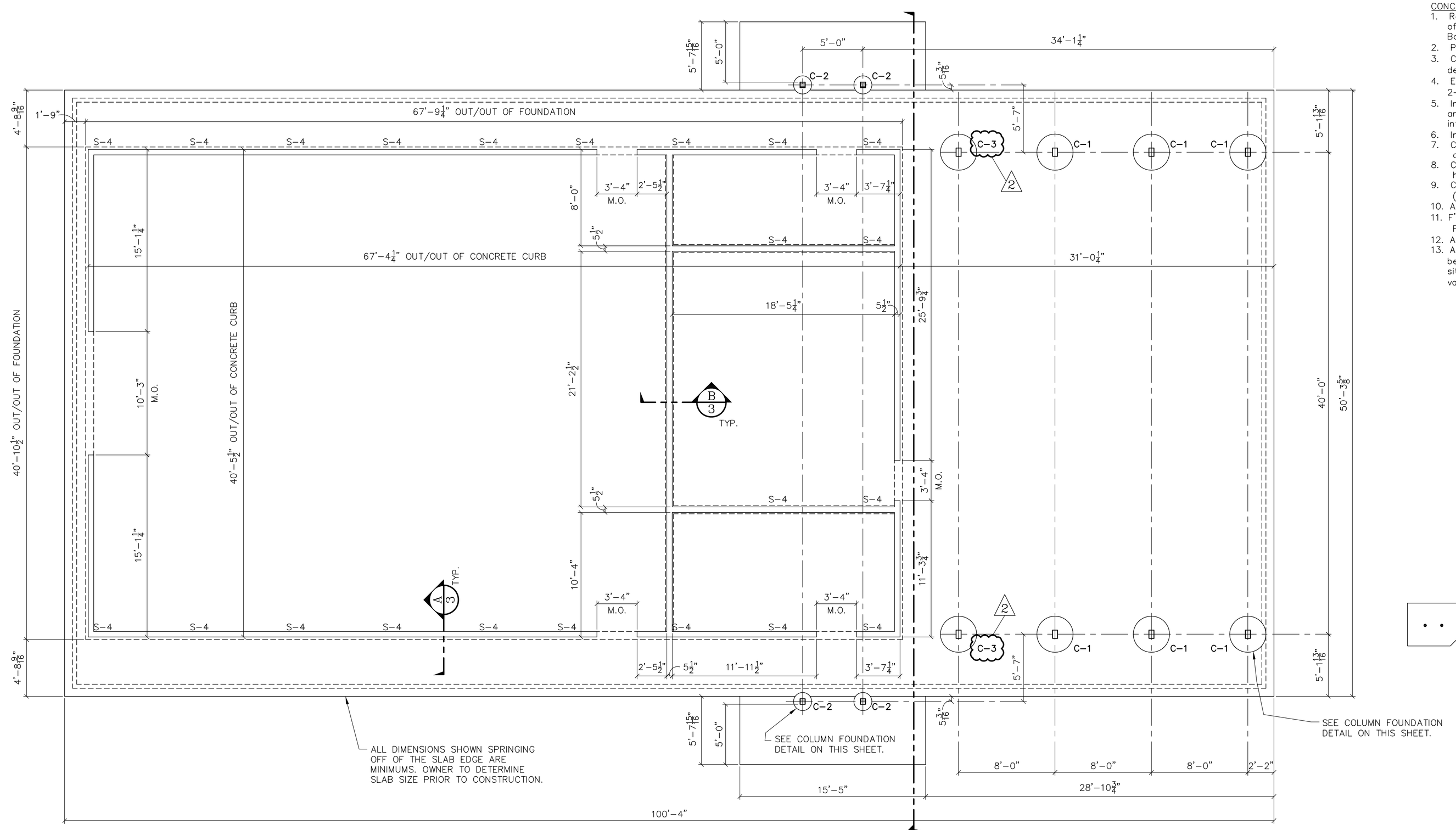
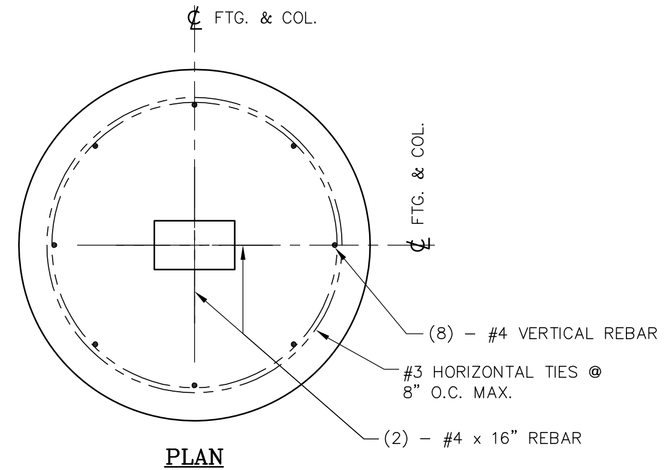


FOUNDATION PLAN

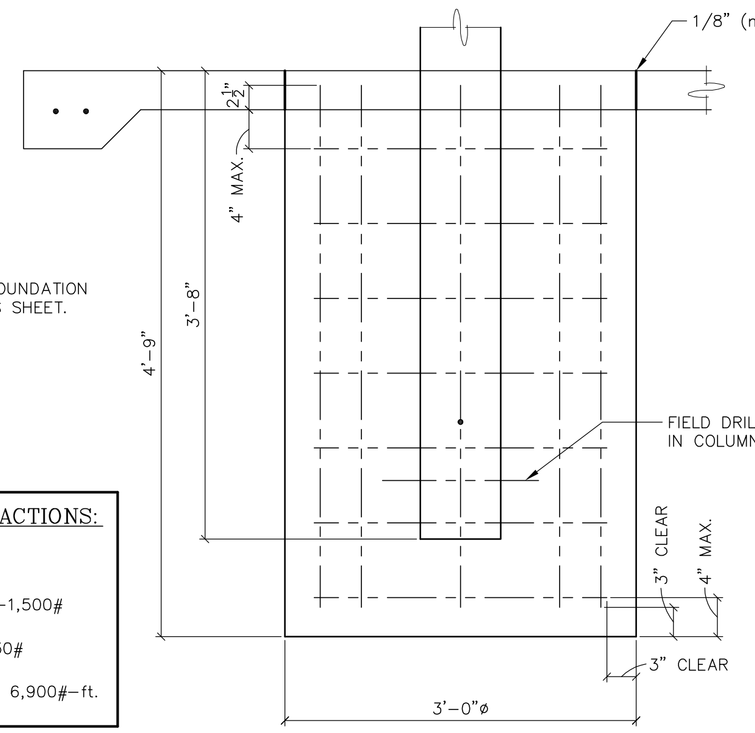
SCALE: 3/16" = 1'-0"

CONCRETE NOTES:

1. Remove all organic material and topsoil from slab area. Verify suitability of subgrade. Footings are to bear on undisturbed, natural soil or engineered fill. Both are to be compacted to 95% Proctor density.
2. Prepare slab with min. 8" compacted sand, gravel, or crushed rock.
3. Concrete slab to be 4" thick. Reinforce slab with 6x6–w1.4xw1.4 welded wire fabric at mid–depth. Lap splices 8". Alt.: Fiber mesh admixture (min. 1.5#/c.y., fibrillated polypropylene).
4. Edge of slab to be thickened to min. 8" deep x 8" wide reinforced with 2–#4 continuous rebars. Lap splices min. 24".
5. In locations subject to frost, install isolation joint, max. 1/8" wide, around column piers using diamond or circular layout. Wire mesh shall be interrupted at isolation joints.
6. Install crack control joints (3/16" wide x 1" deep) at 8' to 12' o.c.
7. Concrete slabs in open areas are to be sloped for drainage from center to edge and away from columns. Surface is to be lightly broomed or have a wood troweled finish.
8. Concrete slabs in enclosed areas are to have positive drainage to floor drains and have a troweled finish.
9. Concrete slab, foundation, re–bar, wire mesh, leveling nuts, grout & anchor bolts (if required) are N.I.C.
10. All concrete reinforcing steel to be grade 60, deformed bars.
11. F'c of concrete to be 3000 psi @ 28 days for foundation. F'c of concrete to be 3500 psi @ 28 days for slab.
12. All concrete work to be in accordance w/ latest ACI code.
13. Assumed allowable soil bearing pressures: 2000 psf vertical bearing, 150 psf passive lateral bearing. It is the Owner's responsibility to verify that the allowable soil bearing values at the site meet or exceed these assumed values. If the actual values are lower than the assumed values, the foundations must be redesigned (N.I.C.).



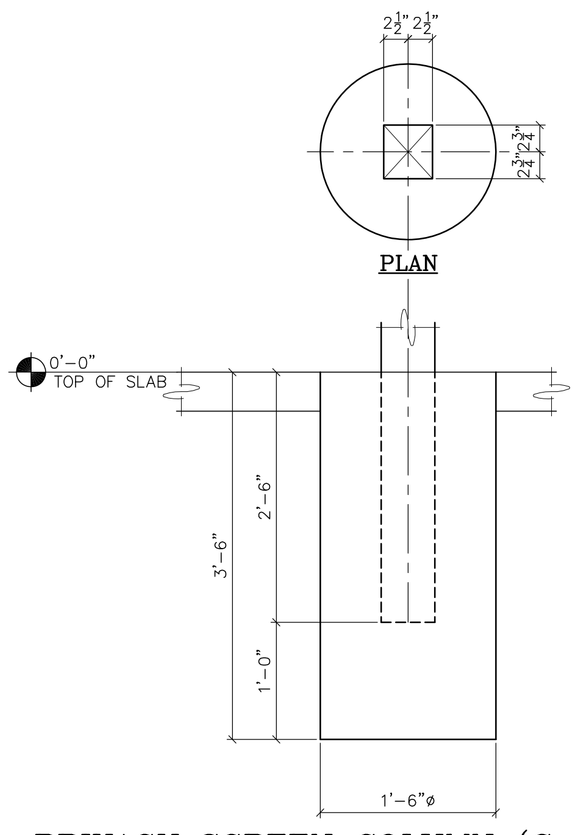
PLAN



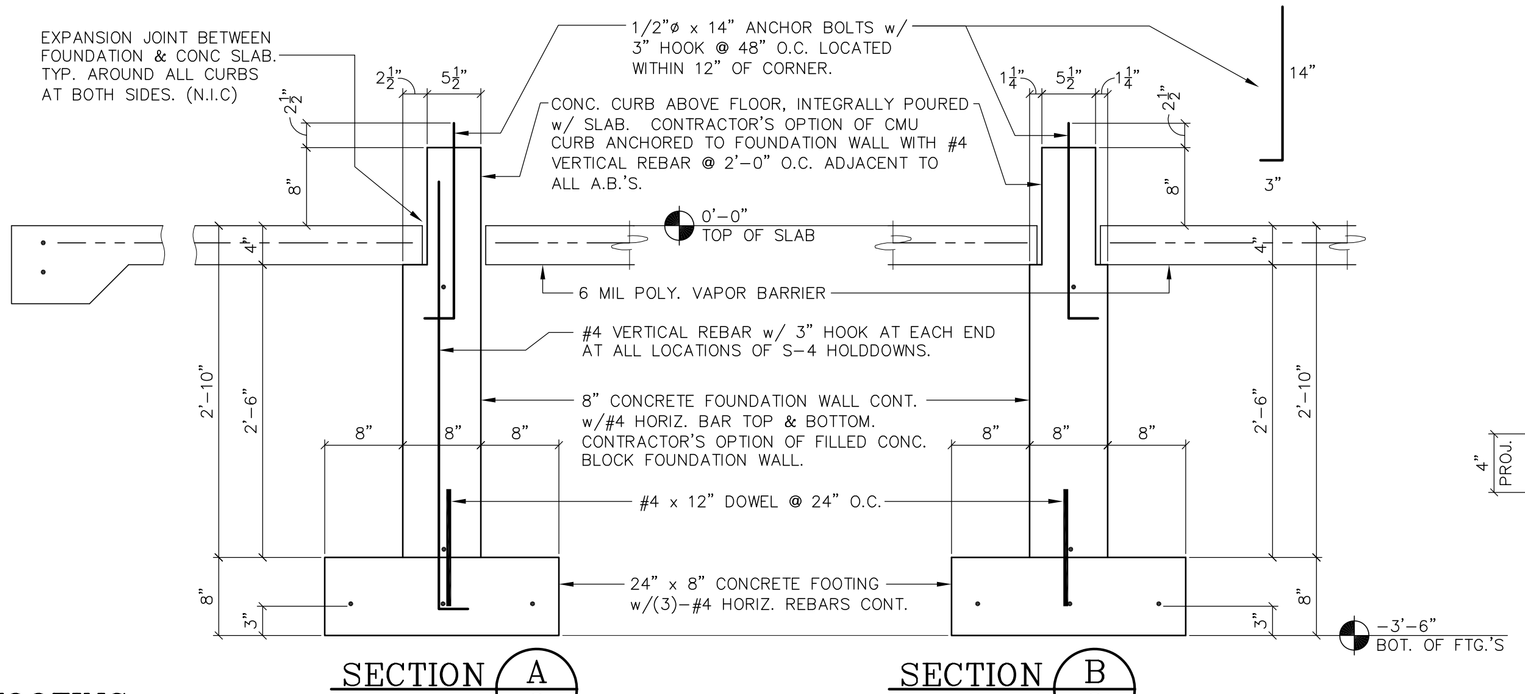
C–1 FOUNDATION DETAIL

COLUMN BASE REACTIONS:

- V_{DL+SL} = 9,400#
- $V_{0.6DL+WL\ UPLIFT}$ = –1,500#
- $H_{DL+3/4(SL+WL)}$ = 830#
- $M_{O.T.\ DL+3/4(SL+WL)}$ = 6,900#–ft.

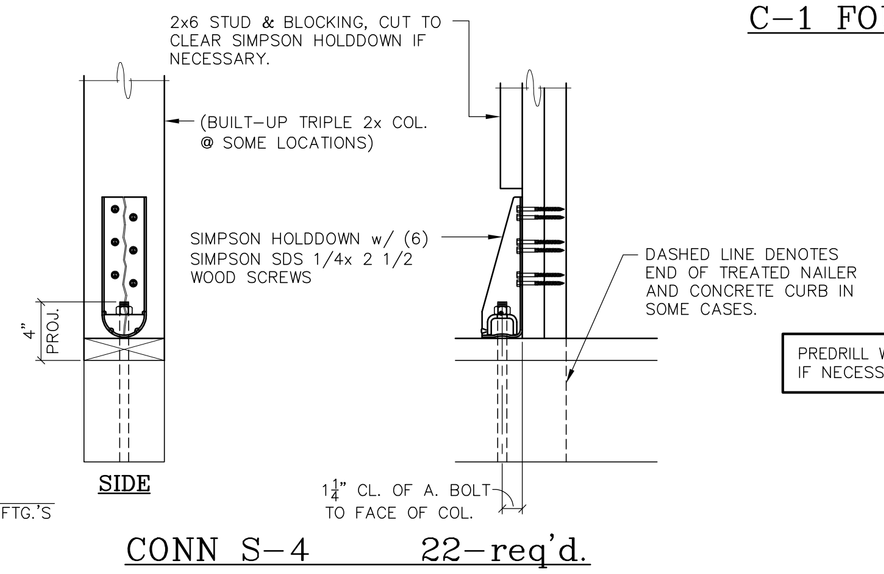


PRIVACY SCREEN COLUMN (C–2) FOOTING



SECTION A/3 — TYPICAL SECTION @ PERIMETER FDN. WALLS

SECTION B/3 — TYPICAL SECTION @ INTERIOR FDN. WALLS



SIDE

PREDRILL WOOD FOR WOOD SCREWS IN FIELD IF NECESSARY TO AVOID SPLITTING.

CONN S–4 22–req'd.

1 – SIMPSON PART HDU2–SDS2.5 w/ SDS SCREWS, GALV.
1 – 5/8"ø x 14" THREADED ROD W/SIMPSON AT ACRYLIC TIE ADHESIVE (N.I.C.)

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COMMUNITY PARK
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RCP SHELTERS, INC.
PO BOX 25 STUART, FL 34995–0025
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REV 2:	CJT	6–10–09
REV 3:		
REV 4:		
CAD NO.:		7380 R3
EEC JOB NO.:		7380 R V
SHEET NO.:	3 OF 9	