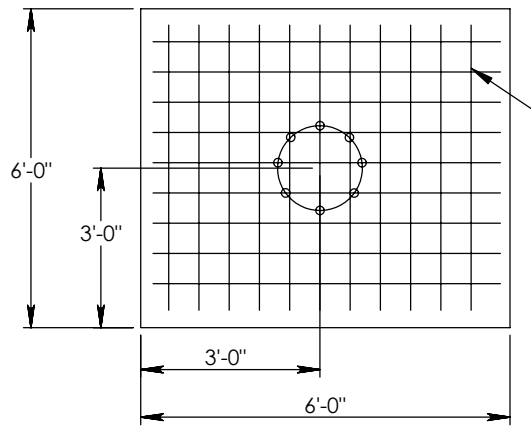


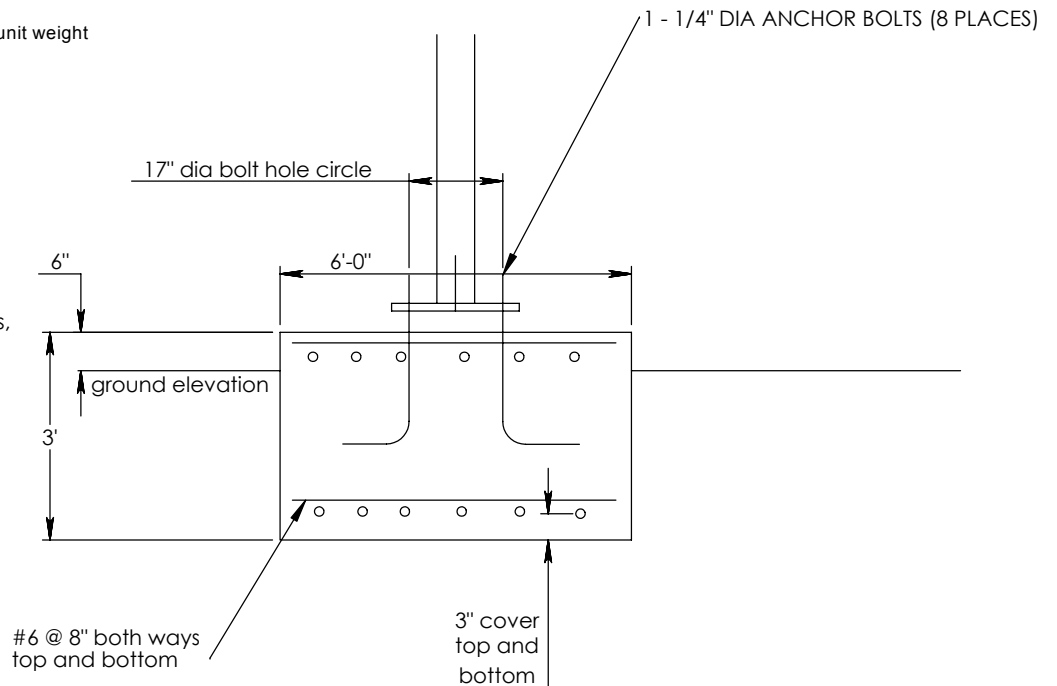
General notes

- 1) The mat foundation was designed in accordance with the IBC 2003
- 2) A professional engineer registered in the state where the project is located shall assume responsibility for the site – specific design. The P.E. shall assure design suitability for varying site and soil condition such as soil classifications, water table, existence of expansive/collapsible soils, susceptibility to liquefaction, frost depth, etc.
- 3) The mat foundation is for a allowable vertical bearing pressure of 1,500 PSF (IBC class 5 soil per table 1804.2)
- 4) All foundation elements shall bear on properly prepared soil
- 5) Soil types and properties shall be verified by the project P.E.
- 6) Concrete work shall be in conformance with the requirements set forth in ACI 301/318
- 7) Anchor bolt design shall be provided by others. Anchor bolts numbers, size, type, and configuration shall be capable of resisting all applied moment, shear, and axial forces
- 8) Concrete shall have min 2,500 PSI 28-day strength and 5% air entrainment +/-1% Concrete unit weight shall not exceed 150lbs/ft3
- 9) Reinforcing steel shall be ASTM A615 grade 60 deformed bars
- 10) Wind loads per IEC 200x were calculated by others:
 Base moment: 26,290 ft-lbs
 Base shear: 867 lbs
 Axial load: 760 lbs



Mat Foundation Section

#6 @ 8" both ways,
top and bottom



#6 @ 8" both ways
top and bottom

3" cover
top and
bottom