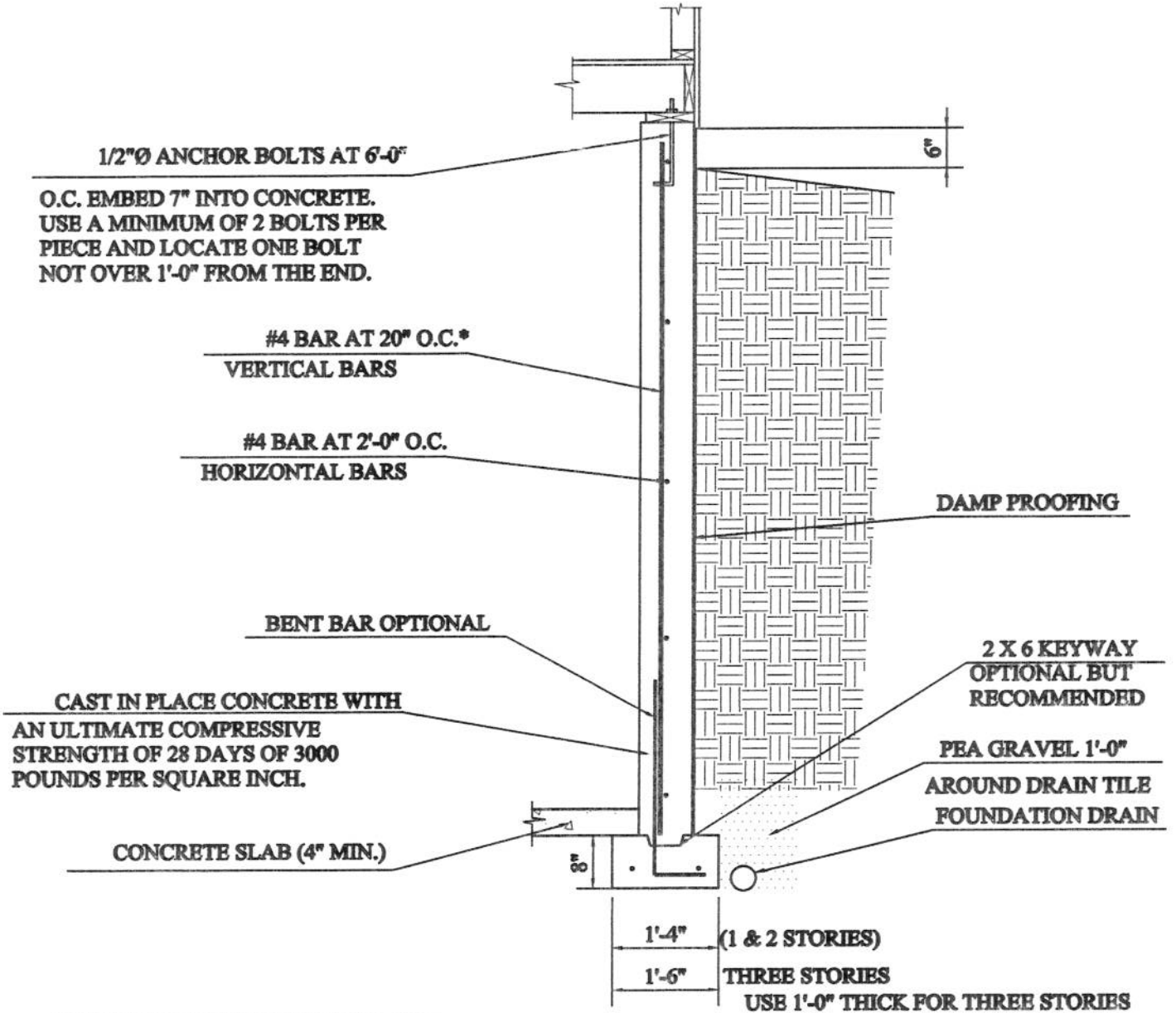


**NOTE:**  
**REINFORCING BAR CLEARANCE**  
 3" FROM BOTTOM OF FOOTING  
 2" FROM INSIDE FACE OF WALL



\* DENOTES OPTIONAL REINFORCING  
 #5 @ 2'-6" O.C.

9'-0" AND 10'-0" CONCRETE FOUNDATION WALL  
 FOR GROUP R-3 OCCUPANCIES  
 OF TYPE V CONSTRUCTION

DRG.  
 SK-1  
 4/8/99

## 9'-0" & 10'-0" CONCRETE FOUNDATION WALL REQUIREMENTS

1. Minimum concrete foundation wall thickness is 8".
2. The concrete should be no less than 3000 psi, 28 day compressive strength concrete.
3. The reinforcing steel should be ASTM grade 40.
4. All reinforcement should be placed 3" from the inside face of the foundation wall.
5. The soil bearing pressure is assumed to be 2000 psf. If soil conditions are less than 2000 psf then the footings may have to be wider.
6. Construction should be done in accordance with the Uniform Building Code and the ACI 318 Building Code.
7. For brick ledges concrete foundation wall and footing should increased in width as required.
8. Concrete is to be in accordance with the "Specifications for Structural Concrete for Buildings" (ACI 301 current edition). Concrete shall be Type I Portland cement with normal weight aggregates.
9. Minimum clearance distance from the bottom of the footing to the nearest reinforcing bar to be 3".
10. Provide class B tension splices for continuous bars. All horizontal bars are continuous.
11. Provide bent bars at all corners. Bars to be of the same size as the continuous bars and lapped 20 times the diameter of the bar.
12. Bend reinforcing bars in accordance with ACI 315, minimum bend radius is 6 times the diameter of the reinforcing steel.
13. Bent bars at the footings should lap 20 times the bar diameter.
14. Bent bars at the footings should have a horizontal leg length of 6".
15. This wall is designed for a 60 pcf lateral load. If soil conditions exist that create a higher lateral load then this standard can not be use.