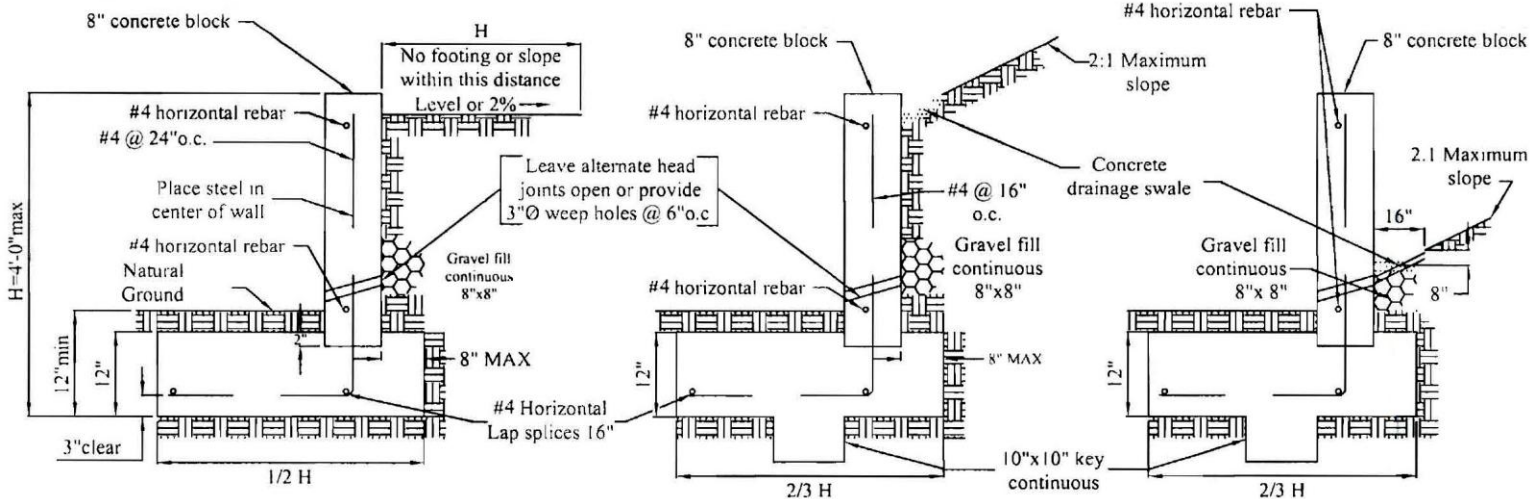


## RETAINING OR SLOUGH WALL (4'-0" HIGH OR LESS)



See Figure 1 for all other construction dimensions

**FIG. 1**

(NO PERMIT IS REQUIRED FOR FIG. 1)

**FIG. 2**

(PERMIT IS REQUIRED FOR FIG. 2 AND FIG. 3)

**FIG. 3**

(SLOUGH WALL)

These walls are designed for the average condition and may not be suitable in all classes. Where the proposed wall construction is extensive, a licensed civil or structural engineer should be consulted.

### **GENERAL SPECIFICATIONS**

1. All footings to be 12" into natural ground.
2. Concrete mix for footing and for concrete wall to be 2500 psi minimum, or if site mixed: 1 part Portland cement, 2 parts sand, 3 parts 1" rock with a maximum of 7 gallons of water per sack of cement.
3. Grout mix for concrete block wall to be 2000 psi, 1 part Portland cement, to 3 parts sand to which may be added not more than 1/10 part lime. Sufficient water to be added to produce consistency for pouring without segregation of the constituents. Grout may contain pea gravel to a maximum size of 3/8".
4. Mortar mix for concrete blocks to be 1 part cement to 1/4 lime putty or hydrated lime to 3 1/2 parts damp loose sand.
5. Concrete block units to be standard 8"x8"x16" units conforming to ASTM C90, Grade N, Type II and UBC Standard 21-4.
6. Reinforcing steel shall be deformed steel conforming to ASTM Specification A-615, Grade 40. Lap all Steel 16".
7. Concrete block units to be staggered (running bond.)
8. Concrete block units to have vertical continuity of the cells unobstructed. All cells containing reinforcing to be filled solid with grout.

\*Disclaimer: Alternate design may be possible when provided with an engineered analysis. Use of this standard design is at the users risk and carries no implied or inferred guarantee against failure or defects.