



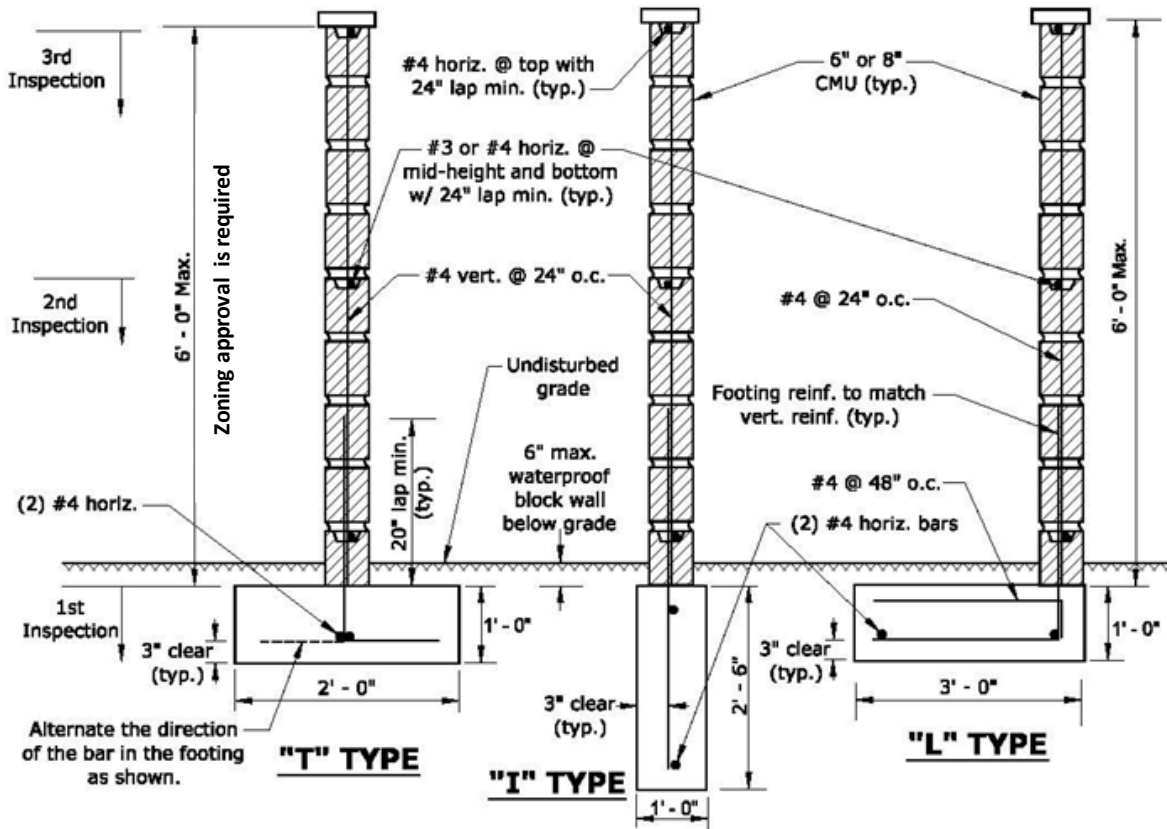
# CITY OF EL CENTRO

## BUILDING AND SAFETY DIVISION

1275 W Main St., El Centro, CA 92243

(760)337-4508

# CONCRETE MASONRY BLOCK WALL



NOTE: IF USING 6" SLUMP STONE BLOCK, IT SHALL HAVE FULL WIDTH INTERIOR CELL DIMENSIONS.

### GENERAL SPECIFICATIONS & NOTES

1. Concrete mix for footing to be 1 part cement to 2.5 parts sand to 3.5 parts gravel with a maximum of 7.5 gallons of water per sack of cement/ Minimum  $f'c = 2,500$  psi.
2. Concrete block units shall conform to ASTM C90.
3. Reinforcing steel to be deformed and conformed to ASTM Standard A615 Grade 40 or Grade 60
4. Rebar shall be centered in the concrete block cell in which it is located
5. Concrete block units shall be placed in a running band with head joints in successive courses horizontally offset at least one-quarter the unit length.
6. Concrete block units to have vertical continuity of cells unobstructed. All cells containing reinforcing shall be solid grouted (vertical and horizontal reinforcement.)
7. Mortar mix for concrete to be 1 part cement to 0.5 part lime to 3 parts damp loose sand.
8. Grout mix for concrete block wall to be 1 part cement to 3 parts sand to which may be added not more than 0.1 part lime. Sufficient water to be added to produce consistency for pouring without segregation of constituents. The grout may contain 2 parts pea gravel, maximum size  $3/8"$ .
9. Block wall may be placed in the center of the "I" type foundation or at either edge to "L" type foundation.
10. A first inspection is required when trenches are ready for concrete and all required steel is tied in place. A second inspection is required when first horizontal bar and all vertical bars are in place but not grouted.
11. Foundation must be poured against undisturbed soil with no appreciable slope of sidewalls on all types of foundation.
12. **Construction of block walls over 48" in exposed height require a building permit prior to commencing construction.**
13. Provide site/plot plan of the property to show the location of the proposed block wall with the dimensions of the length and height.