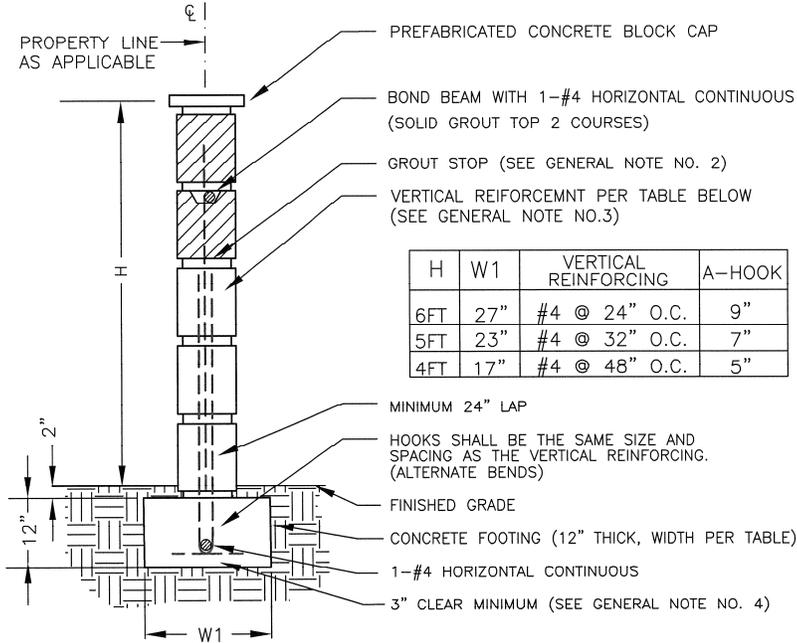




# CONCRETE BLOCK WALL

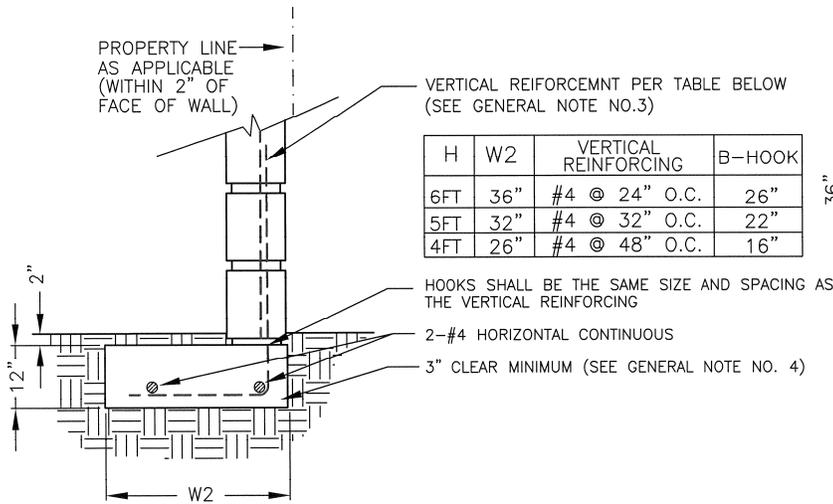
**DEVELOPMENT SERVICES DEPT.**  
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**(STANDARD CONCRETE MASONRY UNITS)**



H	W1	VERTICAL REINFORCING	A-HOOK
6FT	27"	#4 @ 24" O.C.	9"
5FT	23"	#4 @ 32" O.C.	7"
4FT	17"	#4 @ 48" O.C.	5"

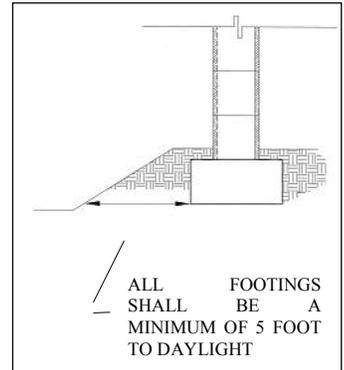
**CENTER LINE FOOTING**



H	W2	VERTICAL REINFORCING	B-HOOK
6FT	36"	#4 @ 24" O.C.	26"
5FT	32"	#4 @ 32" O.C.	22"
4FT	26"	#4 @ 48" O.C.	16"

**OFFSET FOOTING ("L" TYP)**

ALL STEEL SHALL BE A MINIMUM OF 3" FROM EARTH / DIRT.



**NOTES:**

1. MINIMUM BLOCK WIDTH IS 8" FOR SLUMBLOCK AND 6" FOR PRECISION BLOCK.
2. THIS STANDARD CONCRETE BLOCK WALL SHALL NOT BE USED TO RETAIN ANY EARTH / DIRT.
3. TYPE & COLOR OF BLOCK AND/OR FINISH SHALL MATCH AND/OR BE COMPATIBLE WITH THE SURROUNDING PROPERTIES.
4. NO CONCRETE OR GROUT TO BE PLACED PRIOR TO INSPECTION AND APPROVAL BY THE CITY.
5. ALL CELLS AND SPACES CONTAINING REINFORCING BARS SHALL BE FILLED SOLIDLY WITH GROUT.
6. PERMITS ARE REQUIRED FOR WALLS HIGHER THAN 42".
7. A SIGNED **BLOCK WALL OR FENCE AGREEMENT** IS REQUIRED IF ANY PORTION OF THE WALL CROSSES A PROPERTY LINE.

**6" WIDE SLUMBLOCK AND 4" WIDE PRECISION BLOCK ARE NOT PERMITTED.**

(STANDARD CONCRETE BLOCK WALL)

**GENERAL NOTES:**

1. **6" wide Slumpblock and 4" wide Precision Block are not permitted.**
2. Grout stop shall be completely omitted at all cells containing vertical reinforcement.
3. Reinforcement shall be placed prior to inspection and grouting, with vertical reinforcement located in the center of the cell. All reinforcement shall be free from loose rust and other coatings that would inhibit reinforcing bond, and shall be secured against displacement prior to the placement of concrete or grouting by wire positioners or other suitable devices at intervals not exceeding 200 bar diameters nor 10 feet. Reinforcing steel shall, as a minimum, be Grade 40.
4. All reinforcing steel shall be a minimum of three (3) inches from earth/soil/dirt in order to provide a minimum of three (3) inches of concrete cover.
5. Footings shall be level. If ground slopes, footing shall be stepped so that the top and bottom of the footing are level. All excavations shall be clean and contain no loose earth or other foreign materials. Concrete used in the footings shall, as a minimum, have a compressive strength of 2,500 psi at 28 days.
6. All materials shall be stored in a manner such that deterioration or intrusion of foreign materials is prevented and that the material will be capable of meeting applicable requirements at the time of mixing or placement. Masonry materials shall be stored so that at the time of use the materials are clean and structurally suitable for the intended use. Concrete masonry units shall not be wetted unless otherwise approved.
7. The method of measuring material for mortar and grout shall be such that proportions of the materials can be controlled. The mortar shall be sufficiently plastic and units shall be placed with sufficient pressure to extrude mortar from the joint and produce a tight joint. Mortar or grout which has hardened or stiffened due to hydration of the cement shall not be used, but under no case shall mortar be used two and one-half hours (2-1/2 Hrs), nor grout used one and one-half hours (1-1/2 Hrs), after the initial mixing water has been added to the dry ingredients at the job site.
8. The initial bed joint thickness shall not be less than 1/4 inch nor more than 1 inch; subsequent bed joints shall be not less than 1/4 inch nor more than 5/8 inch in thickness. All head and bed joints shall be filled solidly with mortar for a distance in from the face of the unit not less than the thickness of the shell. (If required, head joints may be omitted in the first course for weep holes.)
9. Surfaces to be in contact with mortar or grout shall be clean and free from deleterious materials.
10. Prior to grouting, the grout space shall have vertical continuity and shall be clean so that all spaces to be filled with grout do not contain mortar projections greater than 1/2 inch, mortar droppings or other foreign material. All cells and spaces containing reinforcing bars shall be filled solidly with grout. Grout, as a minimum, shall have a compressive strength of 2,000 psi at 28 days.
11. If any portion of the wall, including the footing, is to extend across a property line, written permission from the adjacent property owner is required. (Notarization of the signature of the adjacent property owner may be required.)
12. **Inspections Required:**
  - 1<sup>st</sup> – **Footing** (Setbacks and footing trench with reinforcing steel in place),
  - 2<sup>nd</sup> – **Bond Beam** (Reinforcing steel in wall prior to grouting)
  - 3<sup>rd</sup> – **Final** (Wall complete, earth properly placed and site clean).

**(No concrete or grout shall be placed prior to inspection and approval.)**