Bond Beam Steel Placement

3 Vertical #4 bars spaced 8". If three cell concrete blocks are used, use two bars per block.

4 10'-8", #6 bars, horizontal bond beam steel.

5 #3 stirrup bars spaced 8" along the bond beam enclosing the horizontal bars.

Completed Bond Beam

Concrete: Shall meet the provisions of ASTM C-94. Cement shall be type 1 or 1A and have a minimum of 6 bags per cubic yard. Cement shall have an air content of 4 to 7%. Coarse aggregate shall conform to ASTM C-33 size numbers 4E, 67 or 57. Slump shall be 3\(\frac{3}{4}\) ± 1". Concrete may be mixed on site providing concrete is proportioned and mixed to meet the above specifications.

Concrete Curing: Concrete shall be kept moist for a minimum of 7 days from pouring. This can be accomplished with frequent wetting, covering with straw, grass clippings, rags or fabric that is kept wet, or use of a curing compound applied in accordance with the manufacturer's instructions.

Mortar: (3 parts masonry sand and 1 part portland cement) shall be used for joints.

Grout: (3 parts masonry sand, 2 parts fine gravel and 1 part Portland cement) shall be used to fill the cells in the CMU.

8" x 8" x 16" concrete masonry units (cmu's)

For liquid tightness interior walls shall be coated with 3/8 inch thick mortar. Other techniques may be used with prior NRCS approval.

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