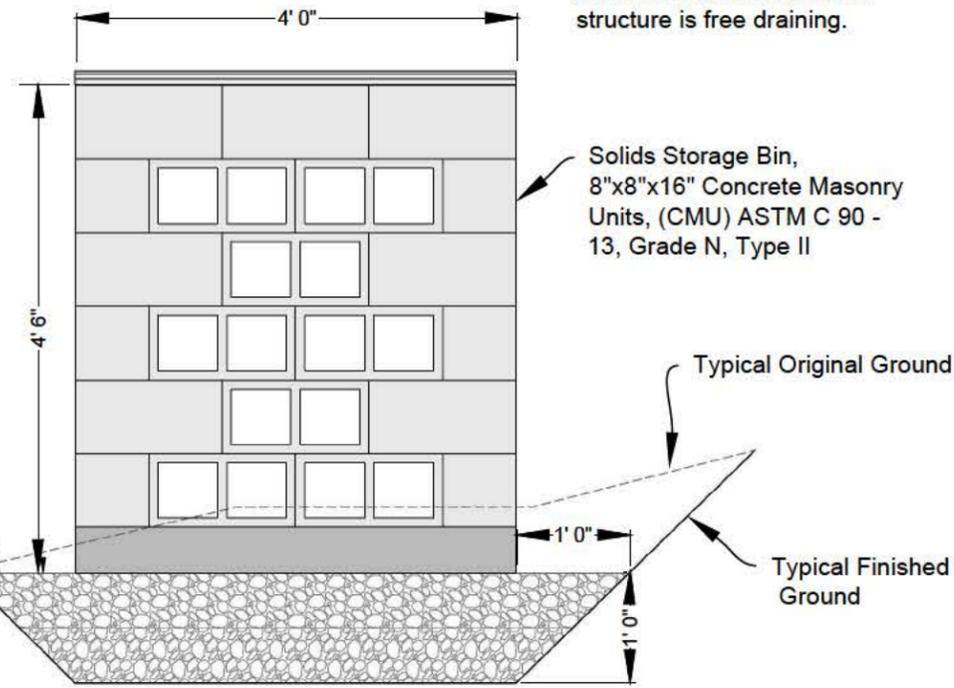


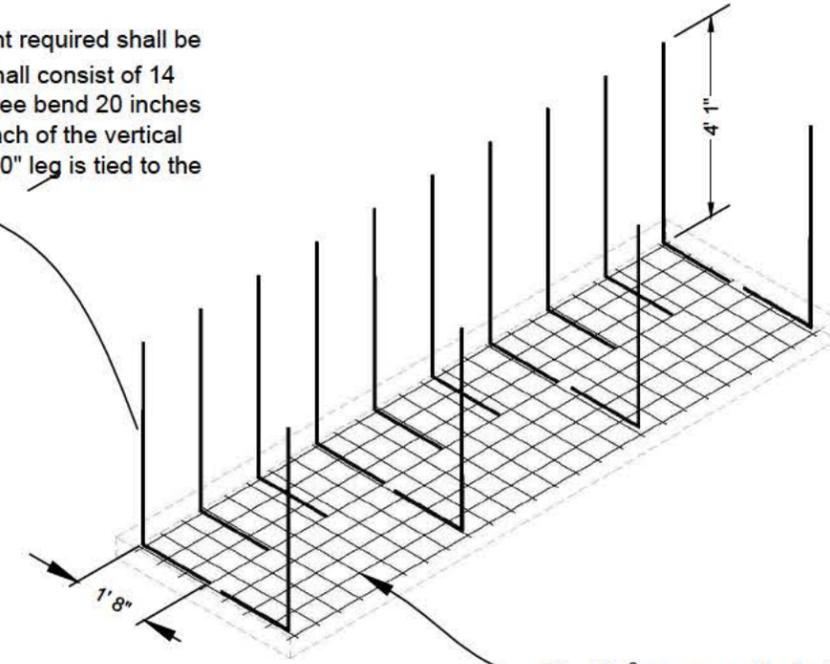
Subgrade: Concrete for the pad shall be placed on a sound foundation free of organic matter. If necessary, organic matter shall be removed and replaced with granular fill. Granular fill shall be "base course", $< \frac{3}{4}$ " gravel, or equivalent. Fill shall be placed in 6 inch loose lifts, and compacted with at least 3 passes of a vibratory plate compactor. When foundation excavation and backfill is required, the minimum thickness shall be 1 foot



Foundation - Typical

not to scale

Minimum vertical steel reinforcement required shall be a #4 ($\frac{1}{2}$ " rebar. The vertical steel shall consist of 14 each, number 4 bars with a 90 degree bend 20 inches from the end. The total length of each of the vertical bars prior to bending is 5' 9". The 20" leg is tied to the welded wire mesh in the pad.

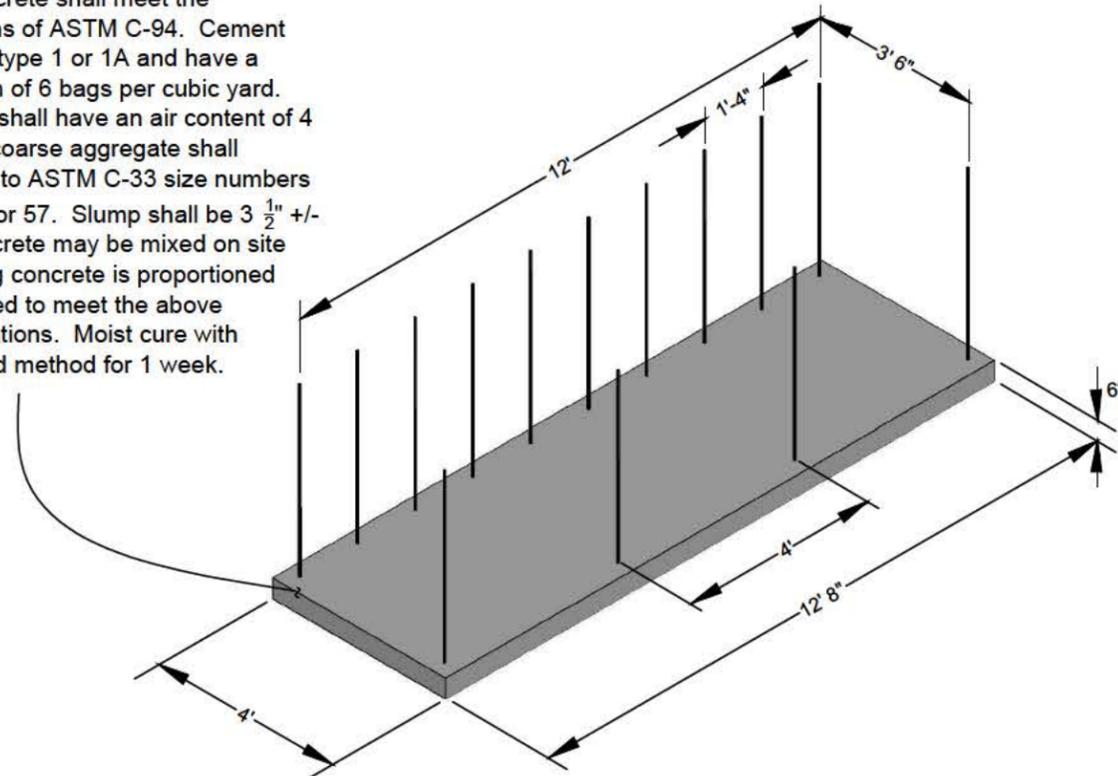


6" x 6", $\frac{6}{6}$ gauge welded wire fabric meeting ASTM A-185 shall be used for floor slab construction. If splicing is necessary, splice by overlapping the pieces so the end cross wire of each piece is in contact with the next cross wire of the next piece. A minimum 2" clear cover between any reinforcing bar or wire fabric and any concrete surface is required. Use manufactured chairs or concrete cubes (not broken CMU pieces) to support the welded wire fabric in place during placement of concrete for floor slab.

Reinforcement Detail

not to scale

The 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 467, 67 or 57. Slump shall be $3 \frac{1}{2}$ +/- 1". Concrete may be mixed on site providing concrete is proportioned and mixed to meet the above specifications. Moist cure with approved method for 1 week.



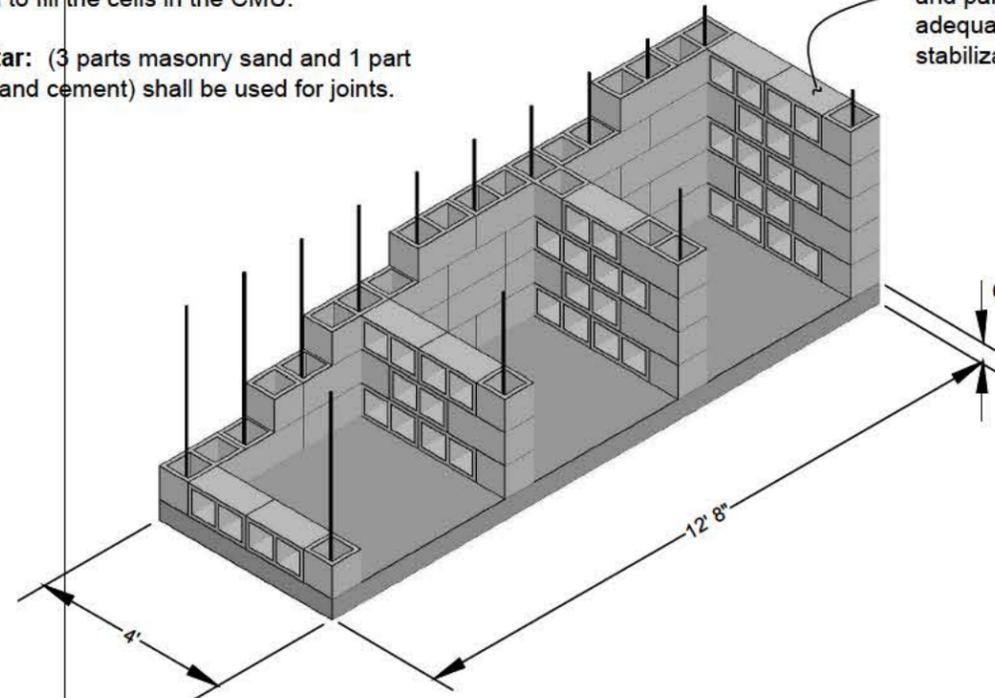
Concrete Pad

not to scale

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

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

8" x 8" x 16" blocks placed on side, as shown, for side walls and partition to allow for adequate aeration and stabilization of material.



Wall and Partition Construction

not to scale

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____
 Title _____

Soil and Water Conservation District
3-Bin Solid Waste Storage Facility

NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture

File Name _____ .dwg
 Drawing No. _____
 Sheet _____ of _____