

WISCONSIN CONSTRUCTION SPECIFICATION

100. Poultry Carcass Composter

1. SCOPE

The work shall consist of furnishing all materials and constructing poultry carcass composters as shown on the drawings.

2. FOUNDATION PREPARATION

The foundation area shall be cleared of trees, logs, stumps, roots, brush, boulders, sod, rubbish, organic materials, and frozen soil. Any topsoil and sod shall be stripped to a minimum depth of 6 inches and stockpiled. After stripping, the foundation area will be prepared to assure bond with any required earthfill by removing loose, dry material, scarifying, disking, adjusting moisture, and compacting as necessary.

3. MATERIALS

Posts and lumber for the composting bins shall be furnished and treated in accordance with Wisconsin Construction Specification 14, Timber Fabrication and Installation. Allowable wood species are Southern Yellow Pine, Hem-Fir (north), or Ponderosa Pine. All species are to be Grade 2 or better.

Lumber for the roof (rafters, purlins, cross braces, and knee braces) need not be pressure treated and shall be Southern Yellow Pine, Hem-Fir (north), or Ponderosa Pine. All species are to be Grade 2 or better and kiln dried to 19 percent moisture content.

Cleats to secure removable planks may be 2" x 2" wooden or 2" x 1 1/2" angle iron as shown on the drawings.

Nails, bolts, washers, nuts, and framing anchors shall be electrodeposited zinc or cadmium coated.

Roofing will be 29 gauge or thicker steel, corrugated and galvanized. The roofing shall be attached with 100 nails/100 sq ft.

Concrete shall be in accordance with Wisconsin Construction Specification 4, Concrete.

Concrete base course shall be a pit run sand or sand-gravel mixture.

4. INSTALLATION

The concrete floor shall be placed on a damp, firm foundation to the lines and grades shown on the drawings. Placement and finishing shall be performed in a skillful manner.

Posts shall be installed with compacted earth or concrete backfill and separated from the concrete slab by preformed expansion joint material with a minimum thickness of 1/2 inch.

All lumber is to be fastened with 16d ring shank nails. Except as noted, all cross braces and planks are to be attached to each post with minimum of two nails.

Knee braces are to be attached to both sides of the post and butt jointed underneath the rafters. The knee braces will be attached to the rafters with a gusset the same width and thickness as the knee brace. The gussets will be attached to the knee braces with a minimum of eight 16d nails (clinched) and butt jointed to the edge of the support post.

Two 2" x 8" "runner boards" will be attached to the 4" x 6" posts in the secondary bin next to the primary bins to provide protection to the posts from equipment damage.

Purlins will be attached to rafters, on edge, with manufactured framing anchors. Purlin joints will be staggered over rafters and overlapped. They will be nailed together with two 10d common nails.

GENERAL

Construction operations shall be carried out in such manner and sequence that erosion and air and water pollution will be minimized.

The completed job shall present a visually acceptable appearance and conform to the lines, grades and elevations shown on the drawings or as staked in the field.

All operations shall be carried out in a safe and skillful manner. Safety and health regulations shall be observed and appropriate safety measures used.

All disturbed areas shall be graded and seeded according to the details shown in the construction plans.