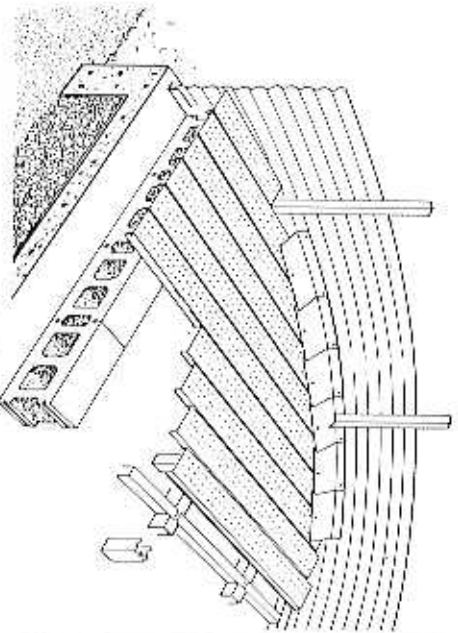
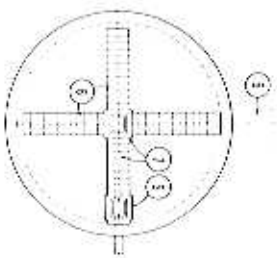


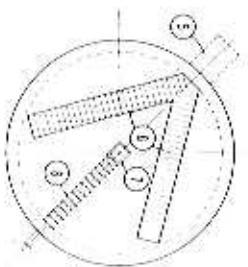
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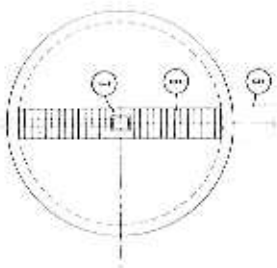
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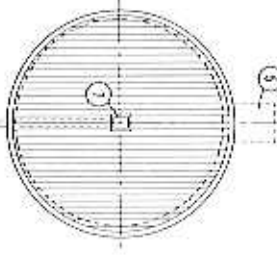
1



2



3



4

- 1 reinforced concrete foundation with 14-gauge aeration duct
- 2 reinforced concrete foundation with 14-gauge aeration duct
- 3 reinforced concrete foundation with 1 1/2-inch diameter duct, for bins not over 18 ft. dia.
- 4 reinforced concrete foundation with 1 1/2-inch floor aeration system; system consists of galv. steel or concrete block supports, perforated plate flooring, and planking to shell bins; see manufacturer
- 5 aeration duct extension or fan transition
- 6 aeration duct with floor panels or use perforated flooring
- 7 center bin wall and unloading auger
- 8 unloading auger trunion with removable soft floor
- 9 interconnective bin wall (optional); do not use to start, employing 4 full bin

**SPECIFICATIONS**

Before constructing foundation consult manufacturer of steel, galvanized steel, for details and use. Foundation and bin diameter are interchangeable, under floor and deep, aeration ducts and 1 1/2 inch dia. Also consult local distributor for appropriate steel codes.

The strength of the floor (interlevel) is not the diameter of 1 1/2 inch with a max. depth of 16 inch (maximum bin). For greater bin depths and diameter increase the perimeter footing width and strength or install reinforcement.

The system soil safe bearing pressure must be higher than 1,000 psi. Unless other-use conditions, mix concrete-grade concrete is to be in 3,000 psi in 28 days, 50 air content, and the size must meet engineer that the loading requirements are met. Consult an engineer if you are not familiar with the details required of 12 year bin and soil do not fall within these limits.

All reinforcing steel to be galv. 60,000 psi deformed bars; provide 2" min. concrete cover over reinforcing steel.

All required steel to be galvanized or protected by equal corrosion steel coating.

**COOPERATIVE EXTENSION SERVICE  
AGRICULTURE AND HOME ECONOMICS**

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIVE  
FOUNDATIONS FOR CIRCULAR STEEL GRAIN  
BINS UNDER 22 FT. DIAMETER

CANADA '67 6391 SHEET 1 OF 2