

Location:

Components:

Heating Chamber: this 17'x 5.5' Dia. unit is constructed of 1/4" A36 Steel w/ nearly 3" matting fireproof insulation and houses the Chromium carbide lined feed chute. It accommodates any natural or Propane Burner size up to 20 mm Btu. and includes a 20 HP Fresh air blower to aid in lowering Nox and cooling down the shell during the shutting down process.

Main Body: 6'x30' Rotary Dryer constructed from 1/2" A36 steel w/ additional 1/2" under the tires and sprocket areas and 1/4" sleeves on feed and discharge ends. Lifting and Showering flights inside the unit are made from a combination of solid and sawtooth configuration to enhance the drying operation.

The Riding Tires on each end are made of hardened steel and machined. They are designed to float so to allow for expansion and contraction of the main drum during the operation.

Drive Systems w/ Guards: 30 HP /460 V. /3PH. motor w/ matched Drive, sheaves, V. belts, Sprocket and 160 Chain and independent base from Wide Flange Beams.

Supporting Base and Pedestals: Subbase from WF10@54# supporting Drive System, Heating Chamber and two Pedestals from WF8@31# W/ the hardened Trunnions and Stop Rollers.

Supporting Structure: Heavy duty WF10@54" are attached to the subbase at the angle of about 2 deg.

Discharge Housing made from 1/4" A36 steel w/ Chromium Carbide liners and transition for the Air handling system.

Capacity: This unit is capable of drying up to 50 T/hr. of infeed material depending on the Feed size, Moisture Content and type of material and the Burner Type and size.

Exclusions: System does not include Motor Control Center (MCC), associated wiring, or burner and associated fuel system