



**RAW MATERIALS AREA**

- X PRIMARY CRUSHER BUILDING**
  - Vibrating Screen and Impact Crusher Type 160/150CR by Thyssen Krupp Foerdertechnik
  - Maximum material size of 76 mm (3 in)
- BC OVERLAND BELT CONVEYORS**
  - CFC/TFC by Superior Industries
  - Capacity up to 500 ST/hr
  - From Quarry to A: 3,200' (950 m) approx.
- A LIMESTONE STORAGE BUILDING**
  - 41,200 ST High Limestone and 7,900 ST Low Limestone
  - Portal Scraper GP2 455 / 37.5 Claudius Peters
- RR RAILROAD SPUR AND SWITCHING YARD**
  - Railroad Spur for Loading of Cement and Unloading of Raw Materials.
  - Track Length: 4.1 miles.

- HT TRUCK AND RAILROAD UNLOADING BUILDING**
  - Vibrating Feeder (400 tons/hr)
  - Water Dedusting System
- Q COAL AND ADDITIVE STORAGE BUILDING**
  - Coal (4,000 ST), Sandstone (1,310 ST), Aluminum source (1,310 ST), and Iron Ore (1,872 ST)
  - Belt Conveyors with max. capacity of 400 ST/hr
- C METALLIC SILOS**
  - Silos for Limestone (602 ST), Sandstone (502 ST), Iron Ore (626 ST), Gypsum (430 ST), Clinker (538 ST), and Coal (341 ST)

**RAW MATERIALS MIXING & CLINKER PRODUCTION AREA**

- B RAW MATERIAL GRINDING BUILDING**
  - Roller Press POLYCOM 15/8-5 by Polysius
  - High Efficiency Separator SEPOL HR by Polysius
- D RAW MATERIAL AND KILN BAGHOUSE**
  - Model 6 x 270TB-BHTP-288-56 by IAC
  - 6 compartments, 576 kW Fan
- I BLENDING SILO**
  - Claudius Peters Mixing Silo MC-16
  - Effective 7,183 ST
- J PREHEATER FEEDER BUILDING**
  - Two Belt Bucket Elevators (1 as standby)
  - Capacity up to 170 ST/hr
- F PREHEATER BUILDING**
  - Six Stage Preheater with Calciner by FLSmidth
  - SNCR System 19% Ammonia Injection System

- K ROTARY KILN**
  - 150' Vulcan Kiln with Falk Main Gearbox
  - Cooling Fans and Seals by FLSmidth
- W CLINKER COOLER BUILDING**
  - ETA Cooler 646 by Claudius Peters
  - 2000 mtpd of Clinker at 90°C
  - Hot Pan Conveyor by Sthim (max temp. 130°C)
- P BAGHOUSE AND HEAT EXCHANGER BUILDING**
  - Baghouse for Cooler by IAC with 4 compartments

**CEMENT PRODUCTION & DISPATCHING AREA**

- R CLINKER STORAGE BUILDINGS**
  - Twin Buttes Mine reclaimed dome (50,000 ST)
  - Emergency Silo (13,800 ST)
  - Collecting Belt Conveyors by Superior (400 ST/hr)
- S GYPSUM STORAGE BUILDING**
  - Building with capacity of 2,000 ST
  - Collecting Belt Conveyor by Superior (400 ST/hr)
- G CEMENT GRINDING BUILDING**
  - Roller Press POLYCOM 15/8-5 by Polysius
  - One chamber used Marcy ball mill (1,841 kW)
  - Cement Cooler by Polysius (from 100°C to 55°C)
- H CEMENT SILO**
  - Claudius Peters Silo EC-16
  - Two discharging system (Bucket Elevator and Emergency Dispatching (165 metric tons/hr)

- E TRUCK DISPATCHING BUILDING**
  - Two metallic silos (approx. 125 m<sup>3</sup> each)
  - Claudius Peters Fluidization Systems (440 ST/hr)
  - Two Fairbanks weighbridges for trucks (120 tons)
- O CEMENT PIPE**
  - Pneumatic Conveying Pipe by Claudius Peters
  - Approx Length: 293 m
- V RAILROAD DISPATCHING BUILDING**
  - One metallic silo (approx. 398 m<sup>3</sup>)
  - Claudius Peters Fluidization System (330 MT/hr)
  - Fairbanks weighbridge for railcar (360 tons)