

I. DESCRIPTION OF BUILDING 27

This structure is a two story 44' x 115' building. The walls are concrete block and brick on the south and east sides. The wall on the north is metal insulated siding. Building 27 shares a concrete block wall with Building 14 on the west side. The roof is insulated metal deck. The first and second floors are concrete. Fire protection is provided by an automatic sprinkler system. Heating is provided by four steam unit heaters per floor. Ventilation is provided by three roof fans and there are three wall fans on the first floor.

EQUIPMENT

MIXING TANK: 4,000 gallon, 8' diameter, stainless steel vertical mix tank. 2" internal coil, 2" bottom discharge, manway in top. 5 HP agitator drive.

MIXING TANK: 4,000 gallon - same as above except 3 HP agitator.

REACTOR: 1,000 gallon stainless steel Pfaudler reactor with dimple jacket and internal coil. 7-1/2 HP Pfaudler type TW agitator drive with mechanical seal and foot bearing.

BLEND TANK: 2,000 gallon, glass lined Pfaudler mix tank. 8' diameter, jacketed, hinged top cover. 7-1/2 HP Glascoate agitator with glass coated shaft and blades.

VACUUM SYSTEM: Schutte & Koerting 3 stage steam vacuum jet with intercondenser.

FILTER PRESS: Speery 24" type H.C.C. filter press with hydraulic closing device and steam heated aluminum plates and frames.

ELECTRICAL SYSTEM: Consists of: Westinghouse 460 volt 3 phase Type W Motor Control Center, with 15 and 30 AMP motor circuit protectors and magnetic starters. All conduit and wiring for process equipment is fed from this panel. Each piece of equipment is equipped with local pushbutton controls and indicating lights.

PIPING SYSTEM: Two inch stainless process lines throughout the building and to and from adjacent manufacturing and warehousing areas.

INSTRUMENTATION: One Taylor Pulscope Temperature Recorder, 0-200°C, electric clock drive. Four Taylor 0-200°C thermometers with 20' remote bulb. One Foxboro temperature recorder, 0-200°C, electric clock drive.

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