Slip Form Concrete

The following is a partial list of slip form concrete building designs by CSD.

Barilla Pasta Plant Mill

Project Type: Slip Form Concrete

Client: ECI

Location: Ames, Iowa

Description: A 10 story concrete structure 110 ft. x 253 ft. x 158 ft. contained multiple grain bins, a freight elevator and structural concrete floor process areas with numerous floor openings and a 125 psf. live load capacity. The structural concrete first floor base mat/foundation was designed for 200 psf. live load.

Nutrena Feed Mill Tower

Project Type: Slip Form Concrete

Client: N.E Pierson Building Systems, Inc.

Location: Abilene, Texas

Description: The 58 ft. x 60 ft. x 98 ft. building utilized a lower level 18 ft. below grade and housed multiple storage bins and a freight elevator.

Holnam Cement Co.

Project Type: Slip Form Concrete

Client: Borton Co.

Location: Florence, Colorado

Description: Slip form work platform for a base concrete structure of four corner columns and 10 feet deep concrete support beams at each of the 7 floors this 46 ft. x 87 ft. building rose 329 ft. in height. For this structure a unique slip formwork platform was designed with the inner platform and outer box truss frame supported yokes to jacks at the four corners.

Milinos de Puerto Rico

Project Type: Slip Form Concrete

Client: ECI

Location: San Juan, Puerto Rico

Description: Utilizing a foundation system of driven precast concrete piles, this 8 story 58 ft. x 166 ft. x 124 ft. building incorporated a freight elevator, multiple clusters of grain storage bins and structural concrete floors.

General Mills Blending Mill

Project Type: Slip Form Concrete

Client: Pierson Construction, Inc.

Location: Vernon, California

Description: A 40 ft. x 40 ft. x 108 ft. building contained 16- 9 ft. x 9 ft. x 75 ft. storage bins, and equipment penthouse and a 49 ft. x 60 ft. x 3 ft. thick base mat. This structure was designed to resist Zone 4 seismic loads.

Progold LLC Corn

Project Type: Slip Form Concrete

Client: Evergreen Builders Inc.

Location: Wahpeton, North Dakota

Description: 6- 40 ft. diameter concrete silos, 130 ft. in height, with concrete connecting tunnel and conveyor shafts. The site necessitated the use of a drilled pier foundation system beneath silo walls.