



TAMPA ELECTRIC

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BUREAU OF AIR REGULATION

November 12, 2001

Mr. Clair Fancy
Florida Department of Environmental Protection
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, Florida 32399-2400

Via FedEx
Airbill No. 7917 0266 0913

Mr. Jerry Campbell, Director
Air Management Division
1410 N. 21st Street
Tampa, FL 33605

Via FedEx
Airbill No. 7902 1400 9474

Re: Tampa Electric Company (TEC)
Big Bend Station
Combustion of Polk Power Station Residual Fuel
FDEP File No. 0570039-012-AC

Dear Messrs. Fancy and Campbell:

Tampa Electric Company is required by specific condition III.10 of the above referenced permit to provide design details of the storage facility and conveyor transfer system that will be used to handle the Polk Power Station residual fuel that will be fired at Big Bend Station. Enclosed is a preliminary drawing depicting the building and conveyor system as well as a description of the process that will be used to transfer the material from the truck to the station. As additional details become available, they will be forwarded to you.

If you have any questions, please feel free to call Shannon Todd or me at (813) 641-5125.

Sincerely,

Laura R. Crouch
Manager - Air Programs
Environmental Affairs

EP\bm\SKT294

Enclosure

c/enc: Ms. Alice Harman, EPCHC
Mr. Jerry Kissel, FDEP SW
Ms. Cindy Phillips, FDEP

TAMPA ELECTRIC COMPANY
P. O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

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CUSTOMER SERVICE:
HILLSBOROUGH COUNTY (813) 223-0800
OUTSIDE HILLSBOROUGH COUNTY 1 (888) 223-0800

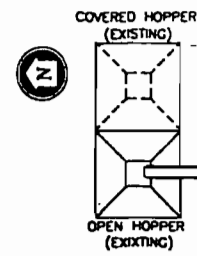


Building Design

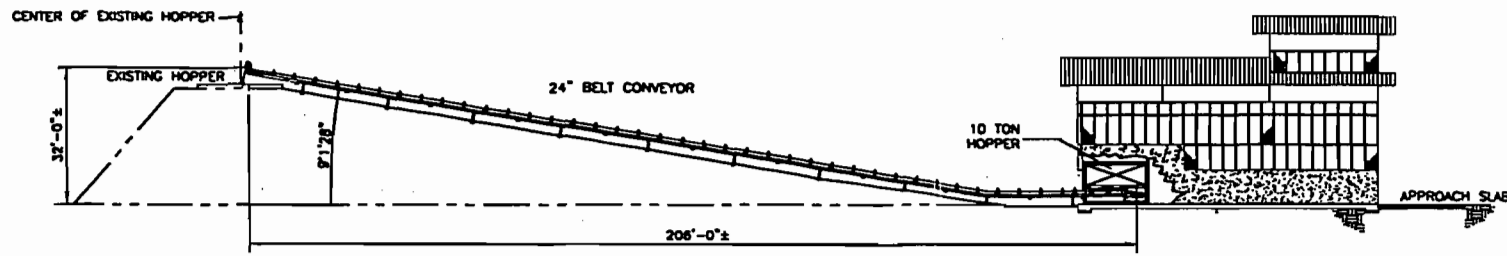
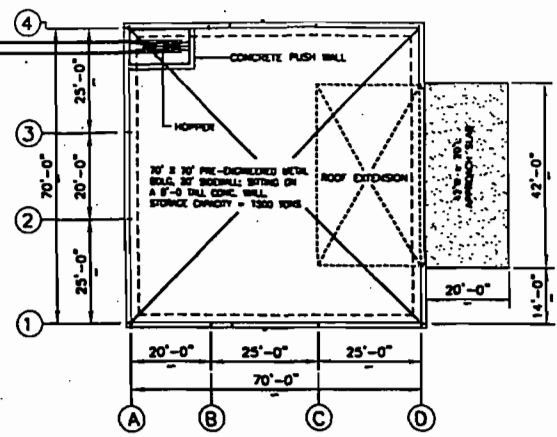
The 70' by 70' building will include an apron on the front of the building large enough to allow a 25-ton dump truck to raise its load and dump into the building under cover. The apron will slope back to the building and a trench will catch rainwater and any dust control run-off water from the material inside the building. The floor of the building will slope towards the front and a sump will redistribute the water onto the pile inside the building. The roof of the building will overhang the sides enough to prevent any rain from getting inside. In the rear of the building there will be a hopper, or dozer trap. Operation of the dozer trap will be discussed in the next paragraph.

Process Description

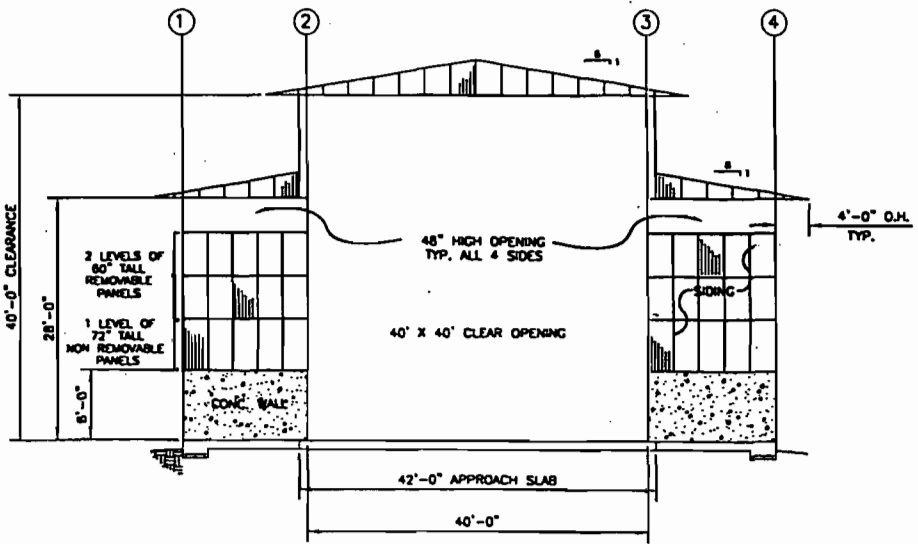
A nominal 25-ton dump truck will empty a load of material into the building, and a bulldozer will either push the material into a vacant area of the building, or it will push the material directly into the dozer trap. The dozer trap is a hopper that is partially below grade, and it will be used to feed the conveyor, which is capable of transferring up to 200 tons of material per hour. The conveyor will be fully enclosed to prevent fugitive dust emissions, and to also prevent wetting of the material. Material inside the building will be periodically sprayed with water in an effort to minimize dust within the building.



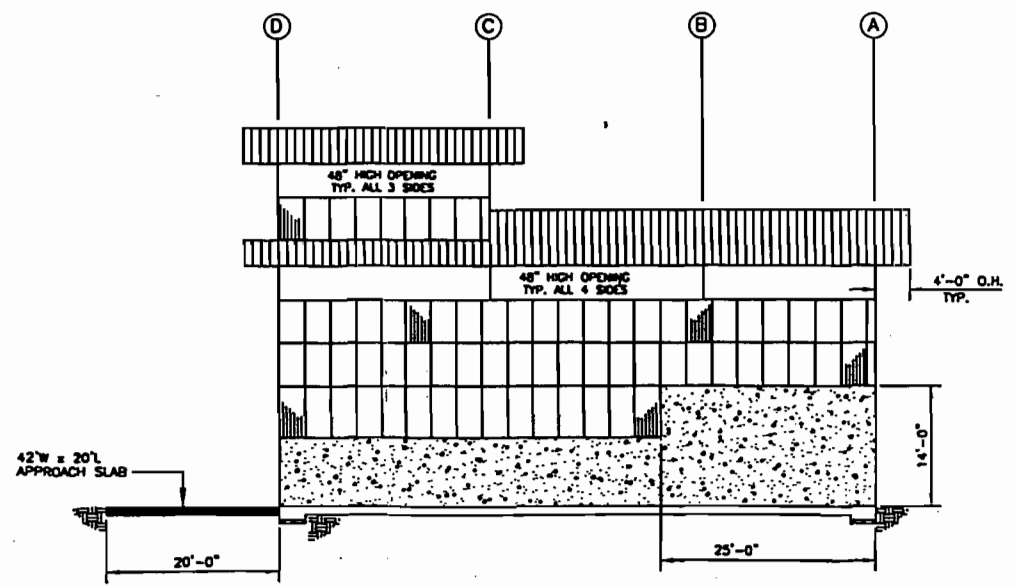
PLAN VIEW
SCALE: 1/16" = 1'-0"



WEST ELEVATION
SCALE: 1/16" = 1'-0"



SOUTH ELEVATION
PRE-ENGINEERED BUILDING
SCALE: 1/8" = 1'-0"



EAST ELEVATION
SCALE: 1/8" = 1'-0"

H6588-1-SK-1		H6588
COAL BENEFICIATION UNLOADING FACILITY		PROJECT NUMBER
BIG BEND STATION		
ENERGY SUPPLY - GENERATION ENGINEERING		
TECO TAMPA ELECTRIC		H6588-MSK-1
DATE: 8/22/01		A
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