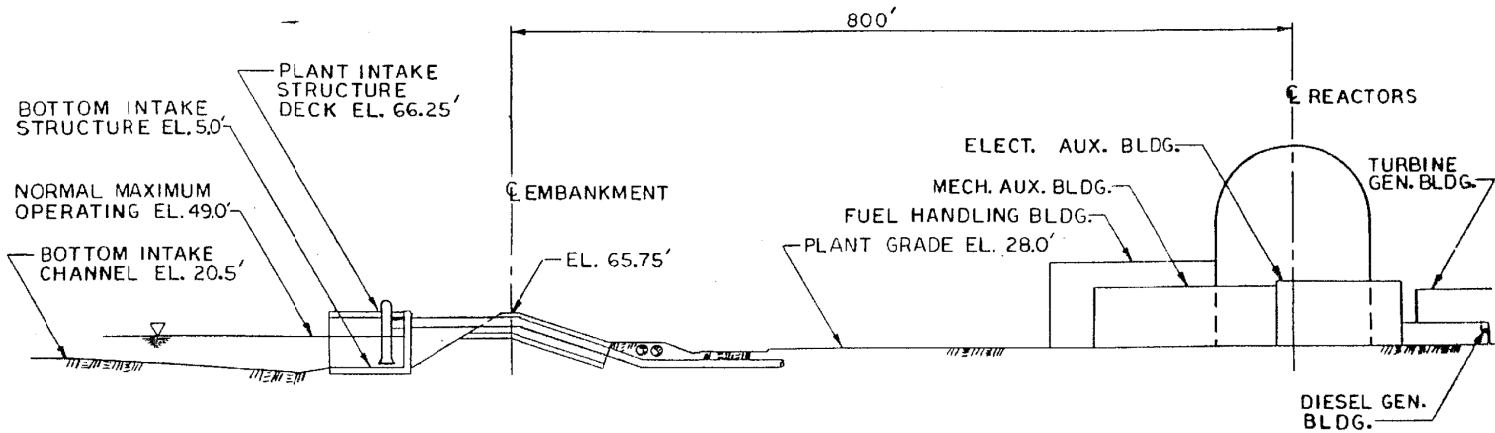


UFSAR

Section 3.4

SOUTH

NORTH

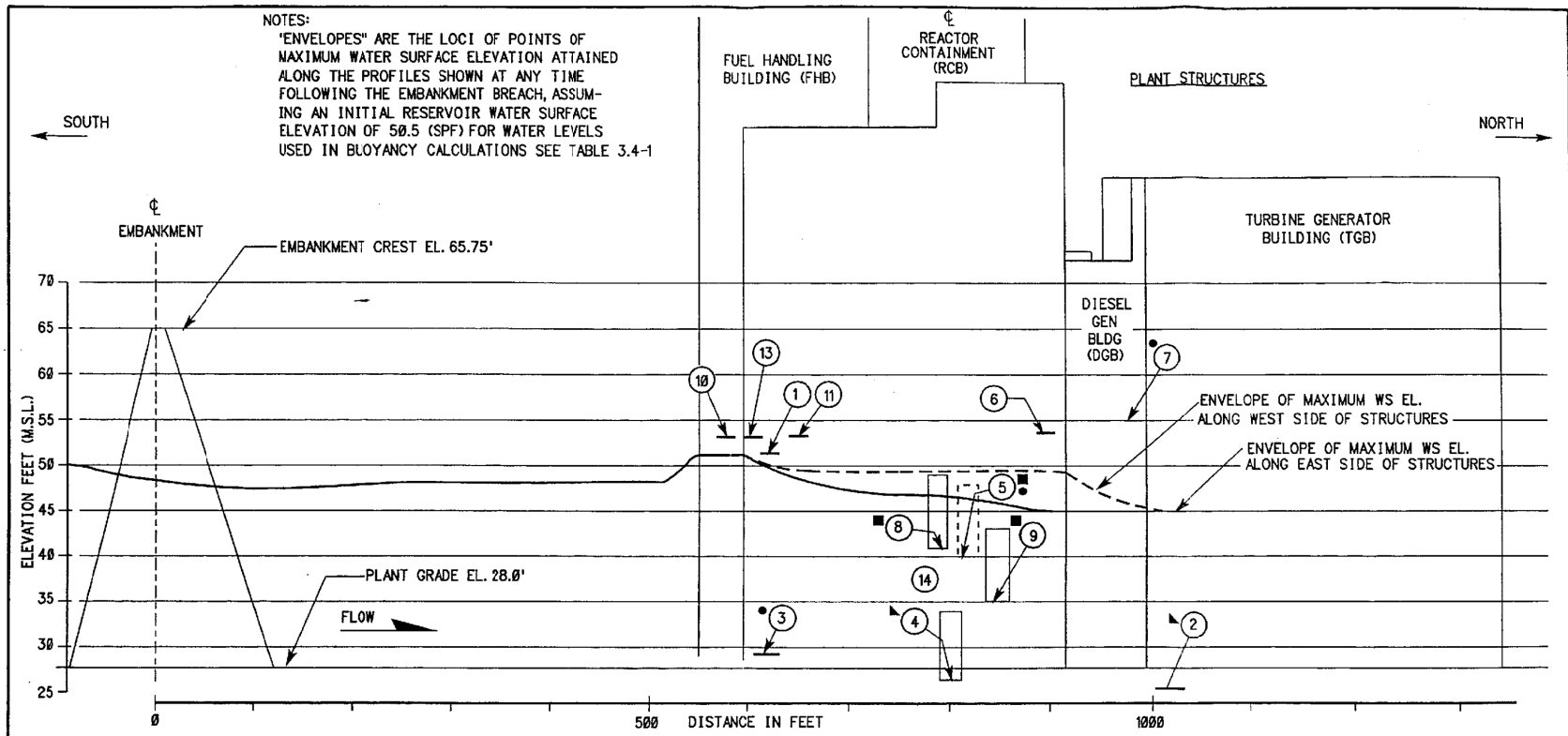


**SOUTH TEXAS PROJECT
UNITS 1 & 2**

TYPICAL SECTION THROUGH PLANT

Figure 3.4-1

Revision 0



OPENINGS IN SAFETY RELATED STRUCTURES

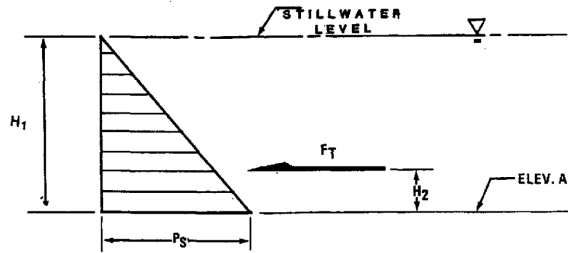
OPENING NO.	DESCRIPTION	ELEV.	OPENING NO.	DESCRIPTION	ELEV.
①	CASK DECONTAMINATION AREA DOOR	50.5'	⑧	ENTRANCE TO MEAB	41.6'
②	DGB KNOCKOUT PANELS	25.0'	⑨	ENTRANCE TO MEAB	35.5'
③	DOOR TO STORAGE AREA	29.0'	⑩	FUEL CASK DELIVERY DOCK (TOP OF FLOOD CONTROL BARRIER)	53.0'
④	EQUIPMENT REMOVAL KNOCKOUT PANELS FOR MEAB	26.0'	⑪	OPENING TO HVAC AREA IN FHB	53.25'
⑤	☉ RCB AUXILIARY ACCESS DOOR (6'-2" DIA.)	39.75'	⑫	(NOT SHOWN) DOORS TO ESSENTIAL COOLING WATER INTAKE STRUCTURE	34.0'
⑥	ENTRANCE TO MEAB	53.75'	⑬	EXIT FROM SOLID WASTE TO TRUCK BAY MEAB	53.0'
⑦	ENTRANCE TO DGB	55.0'	⑭	TGAS (W OF RCB)	39.33'

LEGEND:
 ▲ WATERTIGHT KNOCKOUT PANELS, CLOSED EXCEPT DURING COLD SHUTDOWN.
 ■ WATERTIGHT DOOR
 ● DOORS ON WEST SIDE OF STRUCTURES

SOUTH TEXAS PROJECT
 UNITS 1 & 2

MAXIMUM FLOW PROFILES
 THROUGH THE PLANT

FIGURE 3.4-2 REVISION 6



P_S = LATERAL HYDROSTATIC PRESSURE IN KSF

H_1 = HEIGHT OF MAXIMUM WATER LEVEL ATTAINED AT FACE OF STRUCTURE

H_2 = POINT OF APPLICATION OF RESULTANT FORCE, F_T

F_T = RESULTANT FORCE IN K/FT

**SOUTH TEXAS PROJECT
UNITS 1 & 2**

TYPICAL FORCE DIAGRAM

Figure 3.4-3

Revision 0