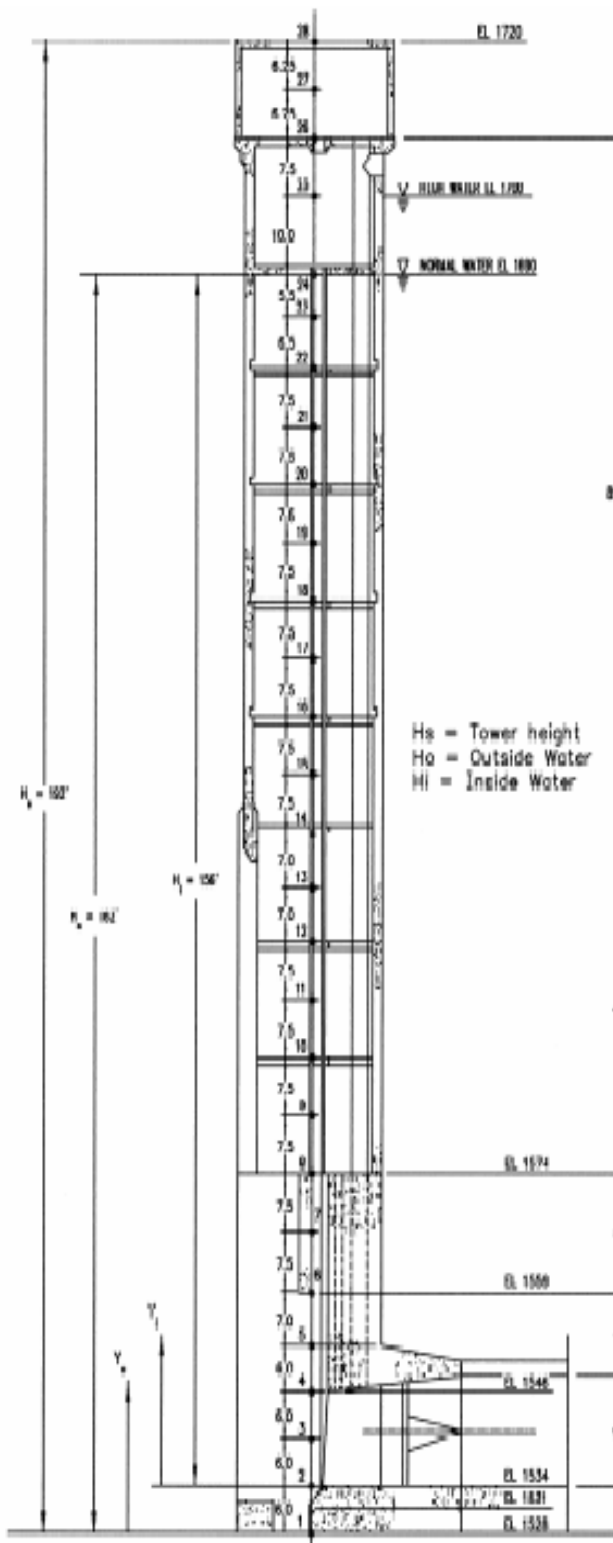




**Blue Ridge Intake Tower Structure**



# Intake Tower



## Main Attributes

### Tower

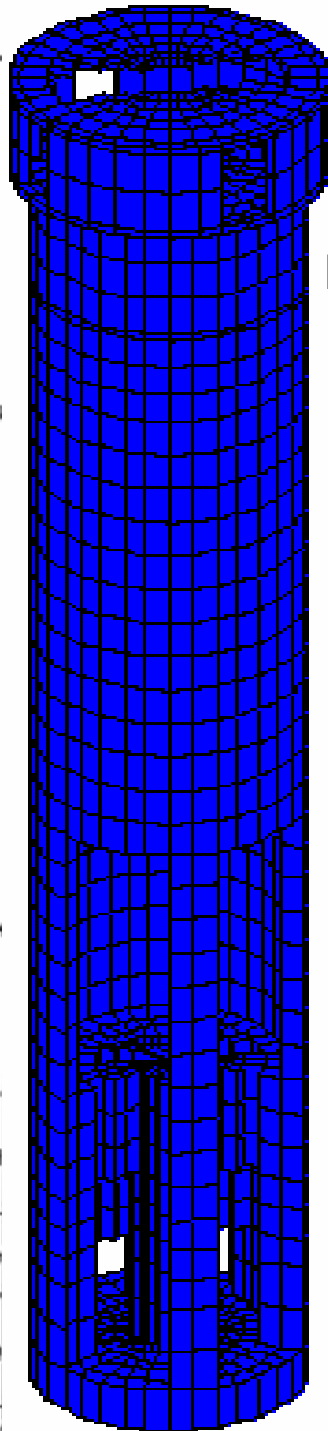
**Material: Concrete**  
**Height: 192 ft**  
**Diameter: 26-28 ft.**

### Model

**5,000 Joints**  
**2700 Solid Elements**

### Analysis

**Stiffness and Dynamic**  
**100 Modes**  
**Solve using GTLANCZOS**



Analysis Type	Pentium 133MH	Pentium 166MH	Pentium 233MH	Pentium 400MH	Pentium III 866MH	Pentium III 930MH	Pentium 4 1.60GH	Athlon XP 1800 (1.54GH)
	92MB RAM 2GB WIN 95	64MB RAM 2GB WIN 95	128MB RAM 4GB WIN 98	192MB RAM 10GB WIN XP	256MB RAM 20GB WIN XP	256MB RAM 20GB WIN XP	512MB RAM 60GB WIN 98	512MB RAM 60GB WIN XP
	Time	Time	Time	Time	Time	Time	Time	Time
Stiffness Analysis	8 min	6 min	4.5 min	1.5 min	52 sec	45 sec	1 min	30 sec (99.4%)
Dynamic Analysis	73 min	82 min	68 min	14 min	13 min	9 min	7 min	5 min (94%)