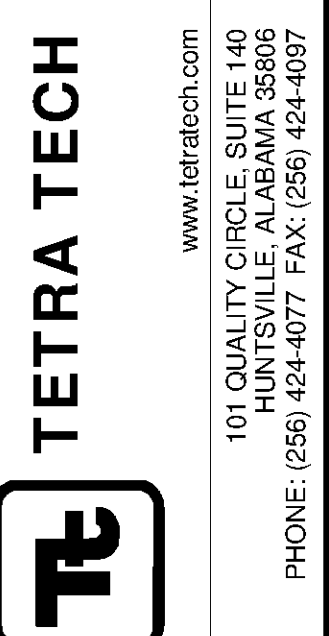
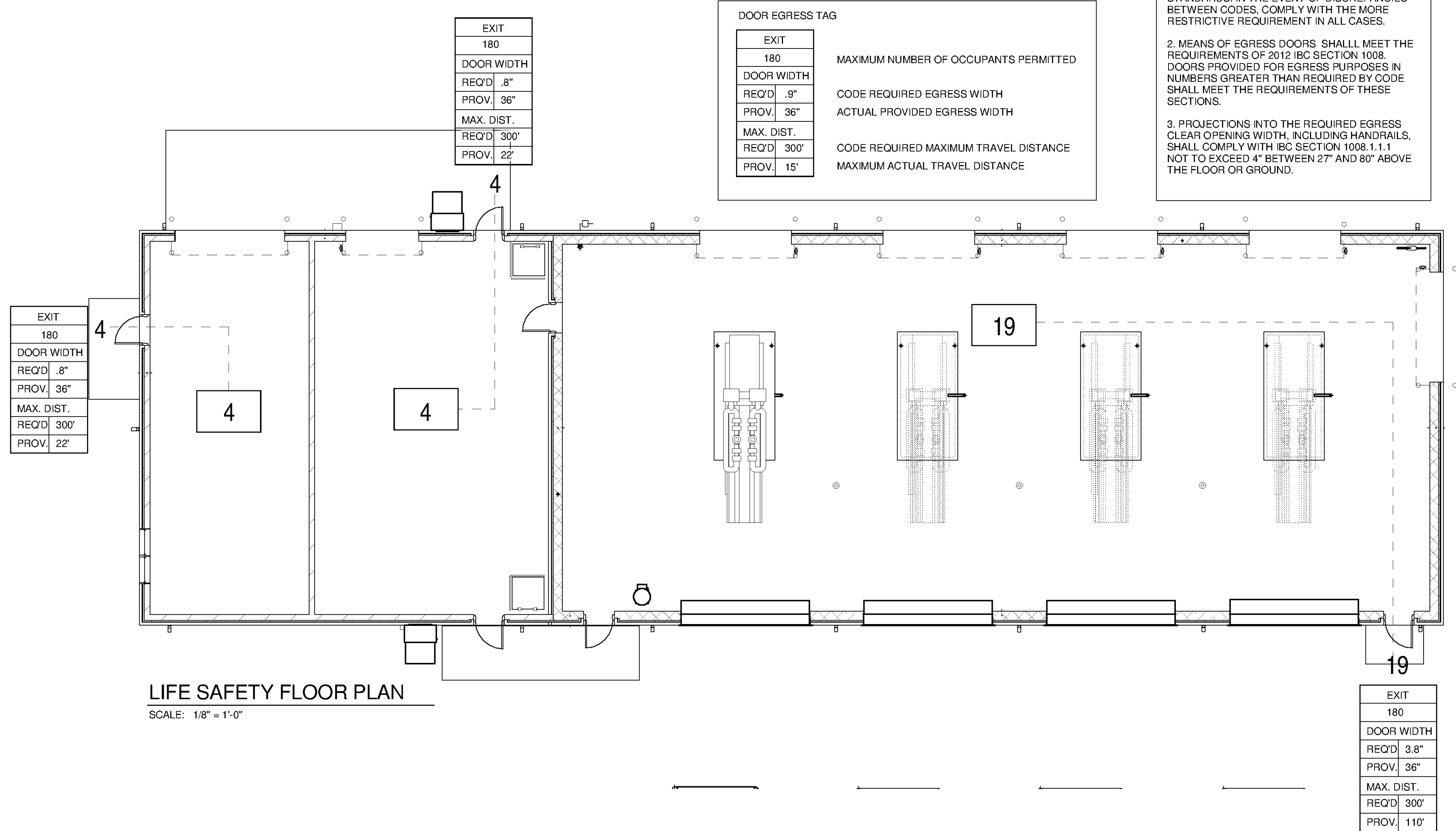


BUILDING CODE ANALYSIS	
GENERATOR BUILDING	
LOCATION:	SOUTHEAST WATER TREATMENT PLANT, GUNTERSVILLE DAM, HUNTSVILLE, ALABAMA
OWNER:	HUNTSVILLE UTILITIES
DESCRIPTION OF WORK: CONSTRUCT A ONE STORY GENERATOR BUILDING FOR THE SOUTHEAST WTP. THE BUILDING WILL PROVIDE A GENERATOR BAY, AN ELECTRIC GEAR ROOM, AND A GARAGE.	
APPLICABLE BUILDING CODES	
2012 INTERNATIONAL BUILDING CODE	
2012 INTERNATIONAL PLUMBING CODE	
2012 INTERNATIONAL MECHANICAL CODE	
2012 INTERNATIONAL FIRE CODE	
2011 NATIONAL ELECTRIC CODE	
ANSI/ASHRAE/ESNA STANDARD 90.1-2007 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL	
2010 AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES	
GENERAL INFORMATION	
USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)	USE GROUP "F-2"
CONSTRUCTION TYPE CLASSIFICATION (IBC CHAPTER 5)	IIB
FIRE PROTECTION (IFC CHAPTER XXX)	
MAXIMUM ALLOWABLE AREA (IBC TABLE 503)	23,000 SF PER FLOOR
ACTUAL AREA:	5578 SF
MAXIMUM ALLOWABLE STORIES (IBC TABLE 503)	3
ACTUAL STORIES PROVIDED:	1
MAXIMUM ALLOWABLE HEIGHT (IBC TABLE 503)	55FT
ACTUAL HEIGHT PROVIDED:	29FT
DESIGN OCCUPANCY (IBC TABLE 1004.1.2)	27
ACTUAL NUMBER OF OCCUPANTS	27
EGRESS WIDTH BASE ON OCCUPANCY (IBC TABLE 1005.1)	44"
ALLOWABLE DEAD ENDS (IBC TABLE 1016.3)	50FT
NUMBER OF EXITS (IBC TABLE 1018.2)	2
EXITS PROVIDED:	>2 - REF PLANS
ALLOWABLE COMMON PATH OF TRAVEL (IBC 1013.3)	100FT
MAXIMUM TRAVEL DISTANCE ALLOWED (IBC TABLE 1015.1)	300FT
FIRE RESISTANT RATINGS	
BUILDING ELEMENT (IBC TABLE 601)	
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	0
EXTERIOR	0
INTERIOR	0
NONBEARING WALLS & PARTITIONS	0
EXTERIOR (IBC TABLE 602)	0
INTERIOR (IBC TABLE 601)	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
OCCUPANCY SEPARATION (IBC 302.3.2)	N/A
INCIDENTAL USE AREAS (IBC 302.2)	N/A
FIRE SEPARATION DISTANCE (IBC TABLE 602)	<5FT = 1 HR
DISTANCE FROM ADJACENT BUILDING OR PROPERTY LINE	>10FT = NO RATING REQUIRED
FIRE PROTECTION (IFC)	
SPRINKLERS	NONE
FIRE EXTINGUISHERS	
EXIT LIGHTING	
STAIR ILLUMINATION	



BY	DESCRIPTION
MARK	DATE

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT
**GENERATOR BUILDING
LIFE SAFETY & BUILDING
CODE ANALYSIS**

Project No.: 200-11740-10003
Designed By: Q. BIAGI
Drawn By: Q. BIAGI
Checked By: D. GALANTE

A-8101