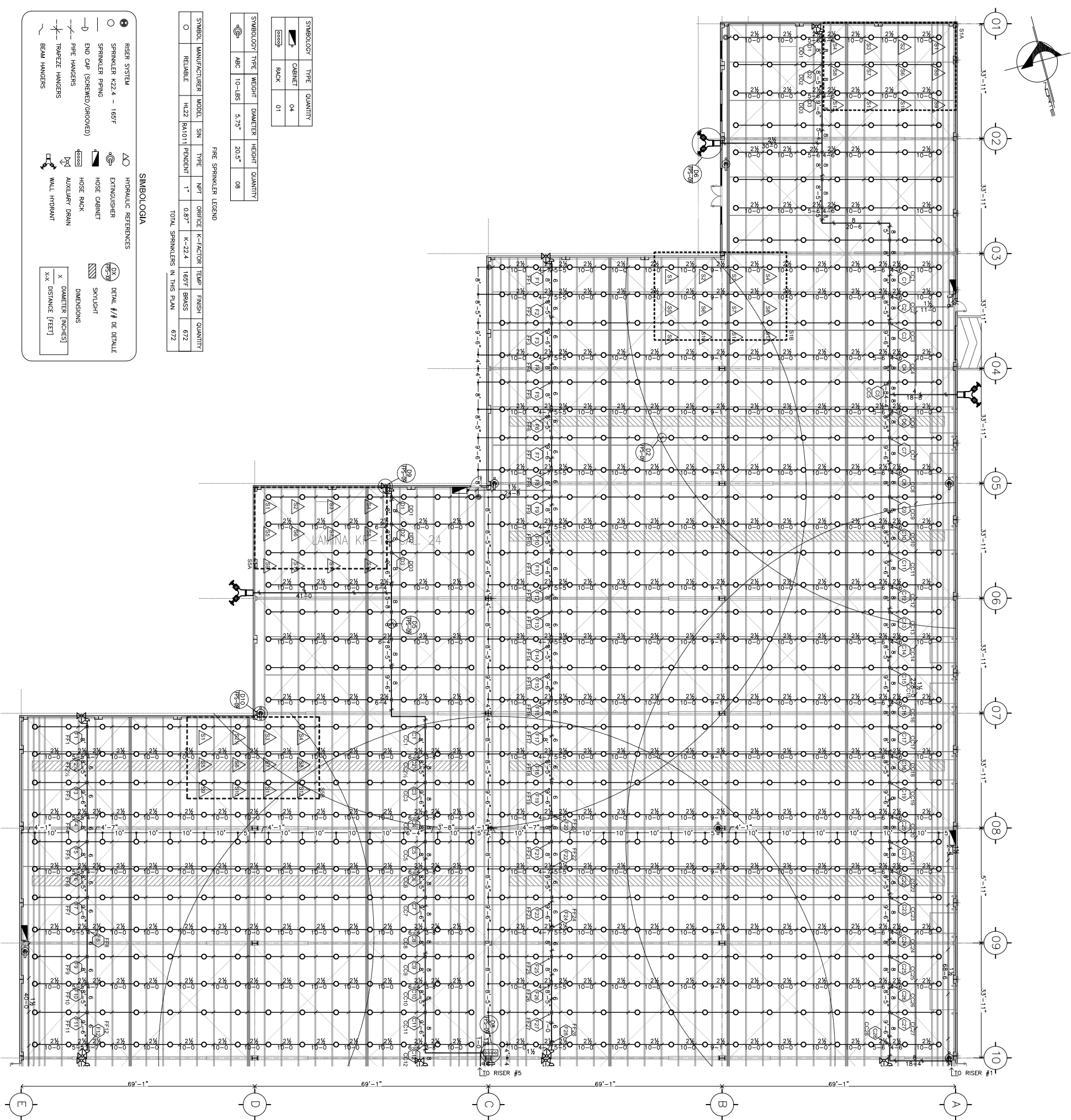
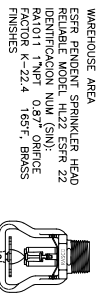
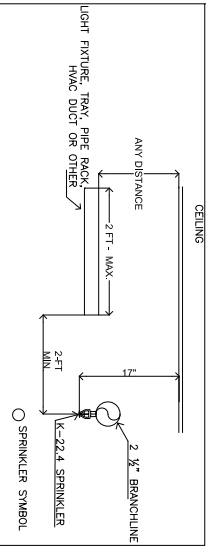




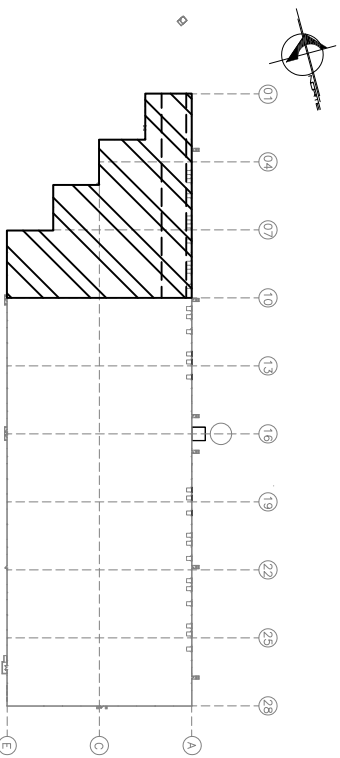
GENERAL STORAGE AREA
PROVIDE A WET PIPE ESFR SPRINKLER SYSTEM CALCULATING THE STORAGE REQUIREMENTS FOR THE STORAGE AREA. THE STORAGE AREA SHALL BE PROTECTED BY A WET PIPE ESFR SPRINKLER SYSTEM WITH 250-450 GPM FOR HOSE ALLOWANCE. USE K-22.4 SPRINKLER HEAD 165°F RATED PENDENT STYLE BRASS FINISHES UL/7M HEADS HEAD COVERAGE 100 SQ.FT. 60-MINUTES WATER SUPPLY DURATION.
THIS CRITERIA IS APPROPRIATE FOR THE FOLLOWING CONDITIONS:
CLASS I - IV COMMODITIES, ENCAPSULATED OR NONENCAPULATED, AND CARTONED GROUP A UNEXPOSED PLASTICS.
MULTIPLE PACK STORAGE AND OPEN TOP CONTAINERS OR SOLID CONTAINERS).
CEILING HEIGHT UP TO 45'-0".
STORAGE HEIGHT UP TO 40'-0".



HYDRAULIC INFORMATION			
SYSTEM #1A		SYSTEM #1A	
AREA PER SPRINKLER	79	79	SQ.FT. MAX
CALCULATED AREA	948	948	SQ.FT.
DENSITY	1.793	1.793	GPM/SQ.FT.
SPRINKLERS CALCULATED	12	12	
SPRINKLER FLOW	1746.1	1746.0	GPM
HOSE STREAM	250	250	GPM
WATER REQUIRED	1996.1	1996.0	GPM
ROD PRESSURE	110.3	113.6	PSI
TANK CAPACITY	156,535 GALL		
PUMP CAPACITY	2000-GPM @135-PSI		
CUSHION PRESSURE	9.6	13.5	PSI
AVAILABLE CAPACITY	119,900/1996	127,100/1995	



*NOTE: SEE DETAILS D2 & D3 AS GUIDELINES TO AVOID OBSTRUCTIONS TO SPRINKLERS.



Revisions	
No.	Description

Project	
Date	
Drawn by	
Checked by	
Approved by	
For	

FIRE PROTECTION SYSTEM FIRE SPRINKLER SYSTEM #1&5