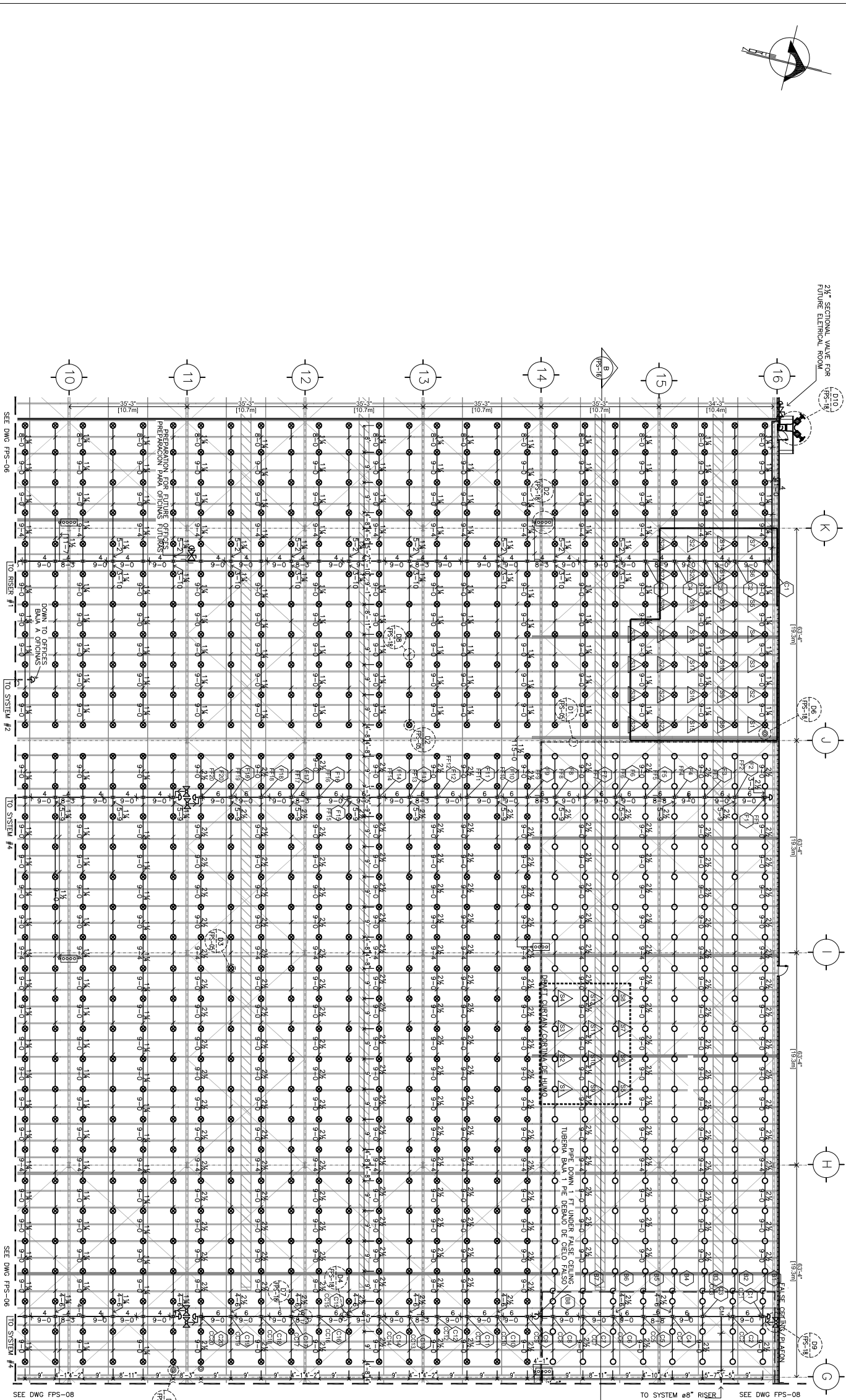
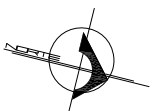




2 CRITERIA DESIGN

NO SCALE

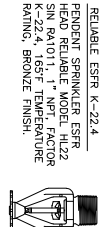
3 KEY PLAN

NO SCALE

PRODUCTION AREAS
EXTRA HAZARD GROUP 1
PROVIDE A WET PIPE SPRINKLER SYSTEM WITH A MINIMUM DENSITY OF 0.50 GPM/SQ.FT. OVER THE ENTIRE PRODUCTION AREA. USE 155°F U/L/FM PENDENT SPRINKLERS, BRONZE FINISHES, K-8.0, 155F RATED, 100 FT MAXIMUM COVERAGE AREA, PLUS 500 GPM FOR HOSE DURATION. 90 MINUTE WATER SUPPLY DURATION.

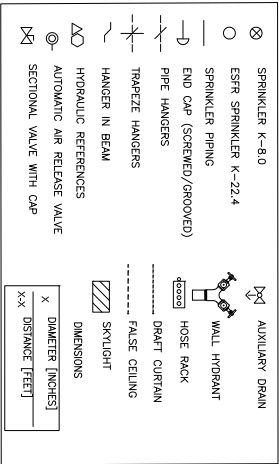
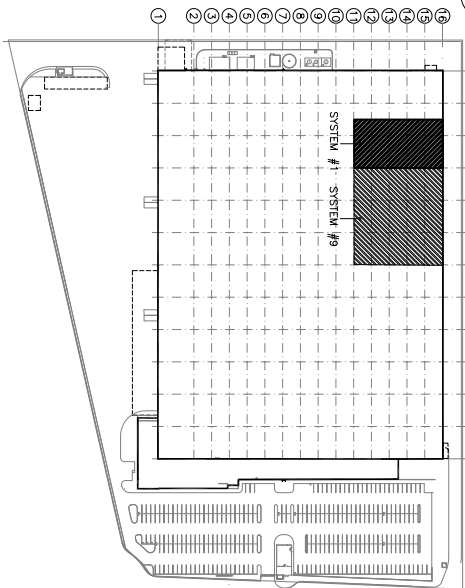


WELDMENT WAREHOUSE
CLASS I-IV IN OPEN RACKS, SOLID PIPE OR PALLETIZED, NO OPEN CONTAINERS.
PROVIDE A WET PIPE SPRINKLER SYSTEM CALCULATING THE MOST REMOTE TWELVE SPRINKLERS, FOUR HEADS ON ADJACENT THREE BRANCHLINES AT MINIMUM OPERATING PRESSURE OF 40-PSI WITH 250-GPM FOR HOSE ALLOWANCE. USE K-22.4 COVERED AREA, PLUS 500 GPM FOR HOSE DURATION. 90 MINUTE WATER SUPPLY DURATION. *A CEILING HEIGHT OVER 45FT WILL REQUIRE A FALSE CEILING.

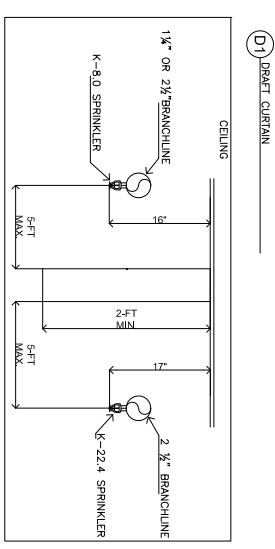
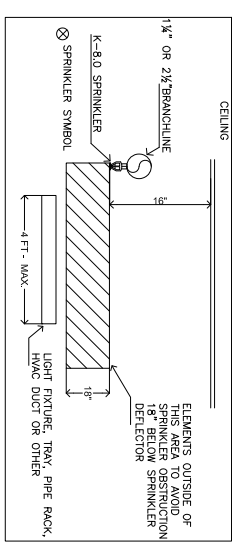
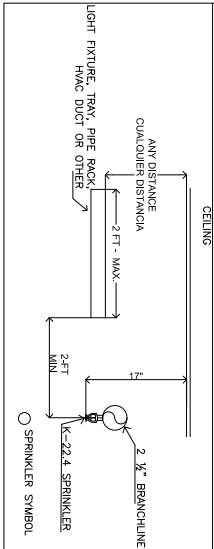


HYDRAULIC INFORMATION

	SYSTEM #1	SYSTEM #9
AREA PER SPRINKLER	79	100
CALCULATED AREA	2333	1200
DENSITY	0.32	1.417
SPRINKLERS CALCULATED	32	12
SPRINKLER FLOW	968.8	1706.0
HOSE STREAM	500	250
WATER REQUIRED	1468.8	1956.0
ROD PRESSURE	92.8	102.3
TANK CAPACITY	244,000 GALLONS	
PUMP CAPACITY	2,500-GPM/125-PSI	
CUSHION PRESSURE	45.1	27.1
AVAILABLE CAPACITY	137.9 @ 1468	123.4 @ 1956



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



Signed Approval

Project
Date
Drawn by
Checked by
Approved by
For

FIRE PROTECTION SYSTEM
- SYSTEM #1	

FPS-05

Scale

INDICATED