



- 1) PIPE SIZES SHOWN ARE BASED ON DESIGN PIPING LAYOUTS ONLY. ACTUAL PIPE SIZES SHALL BE DETERMINED BY CONTRACTORS HYDRAULIC CALCULATIONS BASED ON HIS INSTALLATION DRAWINGS. CONTRACTOR SHALL ALLOW FOR THIS AND INCLUDE THIS IN HIS CONTRACT PRICE.
- 2) HYDRAULIC DESIGN DATA/CRITERIA AREA #1:  
CONTROL MODE DENSITY SPRINKLERS  
CLASS II ENCAPSULATED STORAGE FOR 50 FT RACK  
HEIGHT, MULTIPLE ROW RACKS  
CEILING HEIGHT 55'-0" AFF  
K-FACTOR: 14  
NUMBER OF FLOWING SPRINKLERS: 20  
DENSITY: 0.37 G.P.M./ SQ. FT  
REMOTE AREA: 2000 SQ. FT

- 1) CONTRACTOR SHALL COORDINATE WITH THE BUILDING THE SHUT DOWN OF THE FIRE STANDPIPE/SPRINKLER RISERS.
- 2) CONTRACTOR SHALL COORDINATE ROUTING OF NEW SPRINKLER PIPING WITH THE PROPOSED STRUCTURE AND ALL TRADES TO AVOID CONFLICTS.
- 3) DESIGN DRAWINGS ARE SCHEMATIC. PIPING IS SHOWN APPROXIMATELY ONLY. EXACT LOCATION MUST BE DETERMINED BY THE SPRINKLER CONTRACTOR IN THE FIELD. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.
- 4) THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.
- 5) BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.
- 6) PROVIDE SPRINKLER HEADS BELOW ALL EXPOSED OBSTRUCTIONS OVER 48" WIDE. THIS REQUIREMENT SHALL INCLUDE DUCT WORK RUNNING PARALLEL OF EACH OTHER PRODUCING A WIDTH OF 48" AND OVER. SPRINKLER HEAD INSTALLED WHERE MINIMUM HEAD CLEARANCE IS NOT MET SHALL BE EQUIPPED WITH WIRE GUARD COVERS.

MEP ENGINEER

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**MANHATTAN**  
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## KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022

DRAWING TITLE :

DWG NUMBER :

F-104