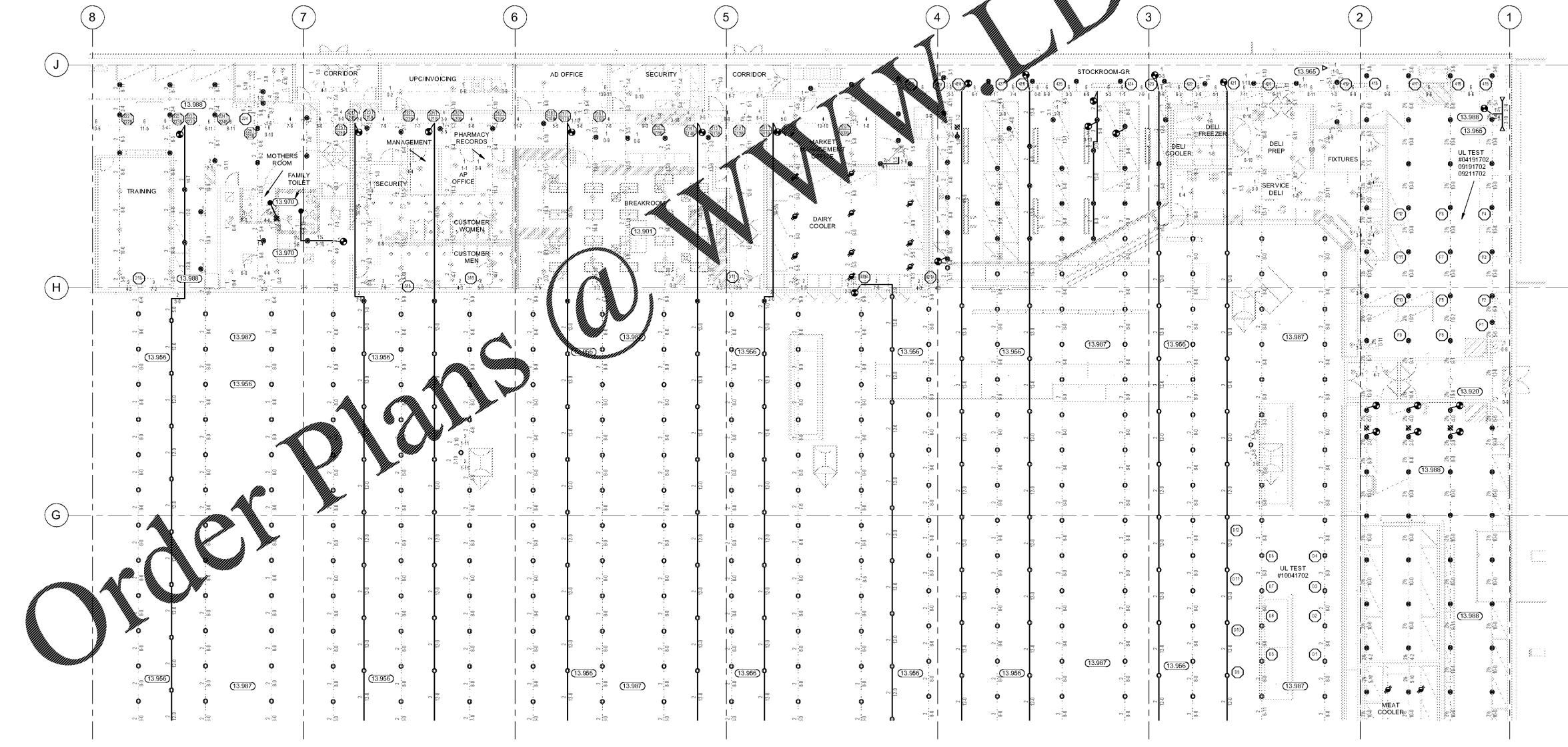


KEYNOTES

- 13.901 COORDINATE SPRINKLER PROTECTION PER REMOVAL, RELOCATION AND/OR ADDITION OF WALLS AND/OR CEILINGS. WHERE NECESSARY, REMOVE EXISTING SPRINKLER(S) AND ASSOCIATED PIPING. CAP OUTLETS NOT INTENDED FOR REUSE. WHERE NEW SPRINKLER(S) ARE REQUIRED WITHIN THE SAME COMPARTMENT AS EXISTING TO REMAIN SPRINKLER(S), NEW SPRINKLER(S) SHALL MATCH EXISTING SPRINKLER TYPE, K-FACTOR, TEMPERATURE RATING AND FINISH. WHERE APPLICABLE, ALIGN NEW SPRINKLERS WITH EXISTING TO REMAIN SPRINKLERS, AND COORDINATE WITH NEW AND EXISTING EQUIPMENT AND WALLS TO MEET NFPA 13 SPACING REQUIREMENTS. NOT MORE THAN ONE SPRINKLER SHALL BE SUPPLIED BY A 1" PIPE OR CONNECTION.
- 13.920 EXISTING SPRINKLERS AND BRANCHLINES TO REMAIN.
- 13.956 PROVIDE NEW BRANCHLINES IN THIS AREA. FIELD VERIFY EXACT ROUTE THROUGH EXISTING BUILDING.
- 13.965 SIDEWALL SPRINKLERS W/ HEAD GUARDS SHALL BE INSTALLED UNDERNEATH OVERHEAD DOORS WITH AN OVERHANG GREATER THAN 4'-0" IN THE DOWN POSITION. PER SPECIFICATION 12900. EXISTING SPRINKLER HEAD SHALL NOT PROTECT MORE THAN 100 SQ. FT., AS DEFINED BY NFPA 13. SPRINKLER CONTRACTOR SHALL VERIFY AND PROVIDE ADEQUATE SPRINKLER PROTECTION BELOW NEW REPLACED OVERHEAD DOORS. DO NOT SUPPORT PIPING FROM DOOR TRACKS. REF 5-FP3.
- 13.970 PROVIDE NEW PENDENT SPRINKLERS IN THIS AREA. CONNECT TO EXISTING SPRINKLER PIPING. NOT MORE THAN ONE SPRINKLER SHALL BE SUPPLIED BY A 1" PIPE OR CONNECTION. EXISTING UPRIGHT SPRINKLER PROTECTION, WHERE PROVIDED AT THE CEILING/ROOF DECK LEVEL, TO REMAIN UNLESS NOTED OTHERWISE.
- 13.987 REPLACE EXISTING 1/2" UPRIGHT SPRINKLERS WITH TYCO TY831 11.2K UPRIGHT SPRINKLERS. REFERENCE FP1 SPRINKLER SYMBOL LEGEND FOR SPECIFIC SPRINKLER TO BE INSTALLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTING(S) WHERE NEW SPRINKLERS DO NOT FIT THE EXISTING OUTLETS.
- 13.988 REPLACE EXISTING 1/2" UPRIGHT SPRINKLERS WITH TYCO TY158 16.5K UPRIGHT SPRINKLERS. REFERENCE FP1 SPRINKLER SYMBOL LEGEND FOR SPECIFIC SPRINKLER TO BE INSTALLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY FITTING(S) WHERE NEW SPRINKLERS DO NOT FIT THE EXISTING OUTLETS.

HYDRAULIC DESIGN		HYDRAULIC DESIGN		HYDRAULIC DESIGN		HYDRAULIC DESIGN	
SYSTEM # 4	SALES FLOOR	SYSTEM # 4	SALES FLOOR	SYSTEM # 4	STOCKROOM	SYSTEM # 4	STOCKROOM
REMOTE AREA #D	2 SPRINKLERS	REMOTE AREA #D	12 SPRINKLERS	REMOTE AREA # F	2 SPRINKLERS	REMOTE AREA # 4	12 SPRINKLERS
SPRINKLERS CALCULATED		SPRINKLERS CALCULATED		SPRINKLERS CALCULATED		SPRINKLERS CALCULATED	
SPRINKLER PRESSURE	25 PSI	SPRINKLER PRESSURE	10 PSI	SPRINKLER PRESSURE	12 PSI	SPRINKLER PRESSURE	7 PSI
HOSE ALLOWANCE	250 GPM	HOSE ALLOWANCE	250 GPM	HOSE ALLOWANCE	250 GPM	HOSE ALLOWANCE	250 GPM
SYSTEM FLOW DEMAND @ SRC	363.6 GPM	SYSTEM FLOW DEMAND @ SRC	691.6 GPM	SYSTEM FLOW DEMAND @ SRC	366.6 GPM	SYSTEM FLOW DEMAND @ SRC	786.9 GPM
SYSTEM PRESSURE DEMAND @ SRC	40.1 PSI	SYSTEM PRESSURE DEMAND @ SRC	32.5 PSI	SYSTEM PRESSURE DEMAND @ SRC	12.5 PSI	SYSTEM PRESSURE DEMAND @ SRC	25.3 PSI
SYSTEM SAFETY FACTOR	19 PSI	SYSTEM SAFETY FACTOR	24.6 PSI	SYSTEM SAFETY FACTOR	36.5 PSI	SYSTEM SAFETY FACTOR	31.1 PSI



1 ENLARGED FIRE PROTECTION PLAN
 SCALE: 3/32" = 1'-0"
 0 4' 8' 12' 16'

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ENLARGED FIRE SPRINKLER PLAN

SHEET: **FP2.4**

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUB-CONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.