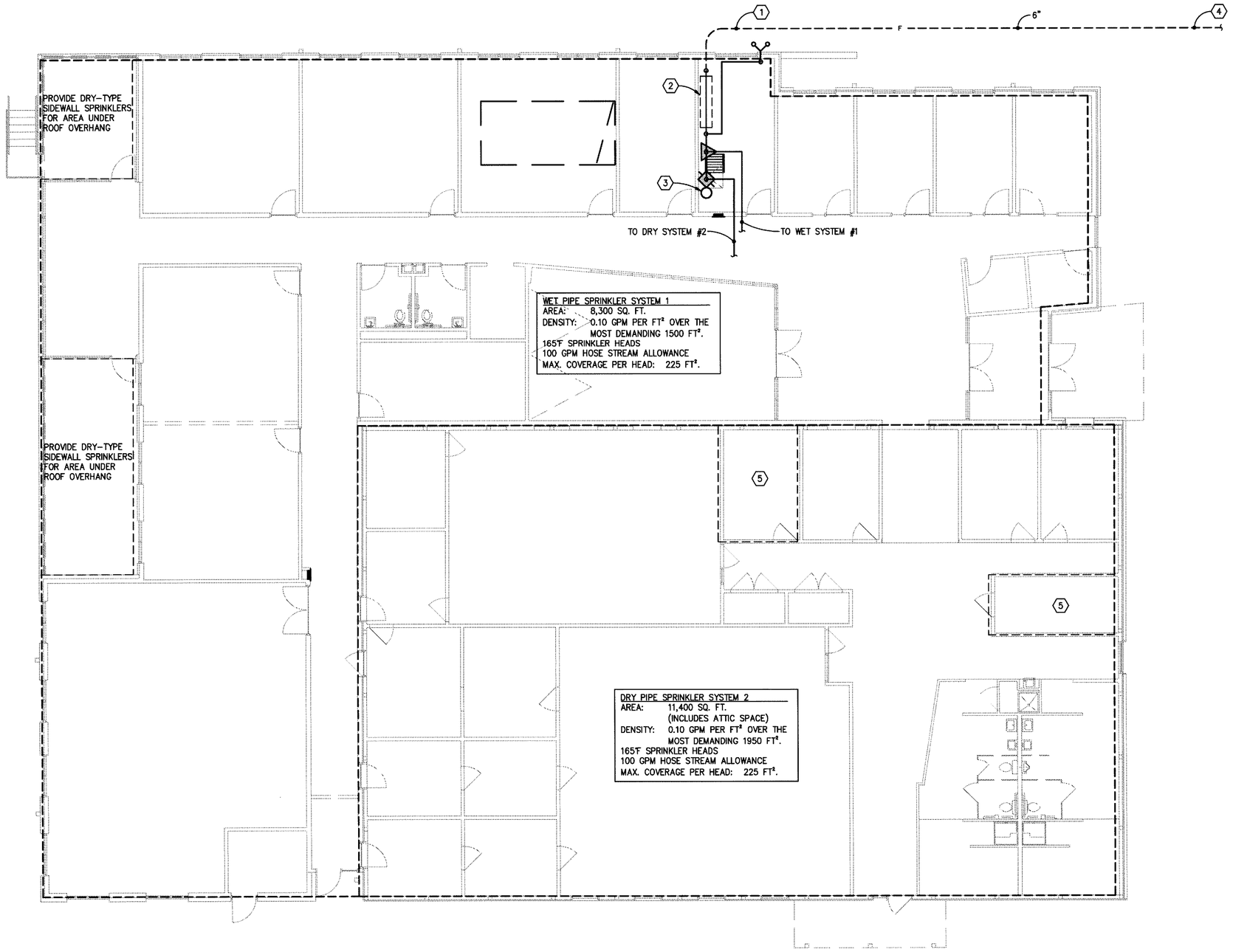


FIRE PROTECTION PLAN
1/8"=1'-0"

DESIGN CRITERIA:

1. DESIGN AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE OHIO BUILDING CODE, OHIO FIRE CODE, N.F.P.A. 13 (2007 EDITION), AND ALL AUTHORITIES HAVING JURISDICTION.
2. BID PLAN LAYOUT IS FOR SCHEMATIC PURPOSES ONLY. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED, SUBMITTED, AND APPROVED PRIOR TO INSTALLATION BY THE FIRE PROTECTION CONTRACTOR. PLANS SHALL INCLUDE ALL ITEMS REQUIRED BY N.F.P.A. 13.
3. WATER SUPPLY DATA: THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE TO OBTAIN CURRENT WATER SUPPLY DATA FOR USE IN THE HYDRAULIC CALCULATIONS.

GENERAL NOTES:

A. THE ENTIRE INSTALLATION SHALL BE MADE IN FULL ACCORDANCE WITH THE RULES AND REGULATIONS OF NFPA 13 AND ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER'S INSURANCE REPRESENTATIVE.

B. THE INSTALLATION SHALL BE COMPLETE IN EVERY RESPECT PROVIDING ALL LABOR AND MATERIALS.

C. ALL SPRINKLER LINES SHALL BE RUN CONCEALED IN AREAS HAVING CEILINGS, AND EXPOSED IN AREAS WITHOUT CEILINGS, AVOIDING INTERFERENCES WITH STRUCTURE, LIGHTS, DUCTS, PIPES, ETC.

D. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES AND ALIGNED WITH LIGHTS.

E. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE LAYOUT OF THE FIRE PROTECTION SYSTEM WITH ALL TRADES PRIOR TO INSTALLATION.

F. FINAL APPROVAL IS SUBJECT TO ACCEPTANCE AND TESTING BY ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER'S INSURANCE REPRESENTATIVE.

⬡ CODED NOTES:

1 NEW WATER SERVICE FOR FIRE PROTECTION.

2 NEW BACKFLOW PREVENTER FOR FIRE PROTECTION SERVICE.

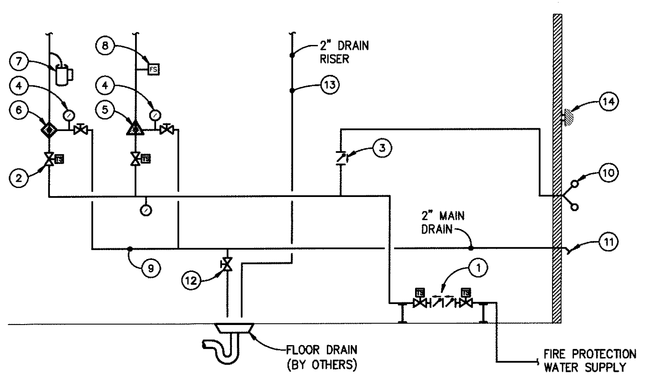
3 DRY SYSTEM AIR COMPRESSOR.

4 RUN NEW 6" FP LINE OUT TO EXISTING 6" CW MAIN AT STREET. PROVIDE TAP AND VALVE FOR NEW LINE. SEE SITE CIVIL DRAWINGS FOR ADDITIONAL DETAILS AND ROUTING.

5 REMOVE EXISTING SPRINKLERS FROM THIS ROOM. CAP EXISTING 1 1/2" WATER LINE SERVING EXISTING SPRINKLERS. PROVIDE NEW SPRINKLERS AND CONNECT TO NEW SYSTEM.

FIRE PROTECTION SYMBOLS
(NOT ALL SYMBOLS USED)

SYMBOL	DESCRIPTION
	FIRE LINE
	ELECTRIC ALARM BELL
	WATER MOTOR GONG
	SIAMESE FIRE DEPARTMENT CONNECTION
	PRESSURE SWITCH
	FLOW DETECTOR SWITCH
	CHECK VALVE
	BACKFLOW PREVENTER W/ TAMPER SWITCH
	VALVE W/TAMPER SWITCH
	ALARM CHECK VALVE
	DRY-PIPE VALVE W/QUICK OPENING DEVICE
	DELUGE VALVE
	PREACTION VALVE
	PIPE HANGER
	HOSE VALVE
F.E.	FIRE EXTINGUISHER
	FIRE PUMP TEST HEADER
	PRESSURE GAUGE WITH GAGE COCK
	SPRINKLER HEADS
	CONCEALED HEAD
	UPRIGHT SPRINKLER
	PENDENT SPRINKLER ON DROP NIPPLE
DP	DRY PENDANT SPRINKLER
	SIDEWALL SPRINKLER
	DRY SIDEWALL SPRINKLER
	CONNECT TO EXISTING
	LIMITS OF DEMOLITION



FIRE PROTECTION RISER SYSTEM SCHEMATIC
N.T.S.

NOTES:

A DESIGN AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13 AND 14, O.B.C., AND ALL APPLICABLE LOCAL CODES.

B OWNER SHALL MAINTAIN A MINIMUM OF 40°F IN BUILDING TO PREVENT FREEZE DAMAGE TO SPRINKLER SYSTEM.

○ FIRE PROTECTION RISER SYSTEM SCHEMATIC CODED NOTES:

1 DOUBLE DETECTOR CHECK ASSEMBLY.

2 GATE VALVE WITH TAMPER SWITCH (TYPICAL).

3 CHECK VALVE (TYPICAL).

4 PRESSURE GAUGE PART OF RISER TRIM.

5 WET PIPE ALARM CHECK SYSTEM RISER WITH TRIM.

6 DRY PIPE ALARM CHECK SYSTEM RISER WITH TRIM.

7 DRY PIPE AIR COMPRESSOR (EQUAL TO VIKING MODEL F-1) MOUNTED TO RISER PIPE. CONNECT WITH FLEXIBLE AIR LINE.

8 FLOW SWITCH (TYPICAL).

9 SLOPE BACK TO FLOOR DRAIN.

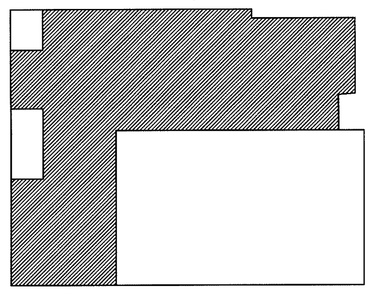
10 FIRE DEPARTMENT CONNECTION.

11 MAIN DRAIN TO OUTSIDE. COORDINATE LOCATION WITH ARCHITECT.

12 GATE VALVE (TYPICAL).

13 2" STANDPIPE DRAIN EXTEND BACK TO FLOOR DRAIN.

14 ELECTRIC ALARM BELL ON BUILDING EXTERIOR. COORDINATE LOCATION WITH ARCHITECT.



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