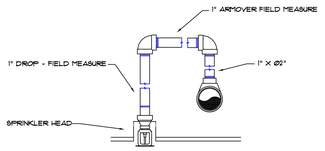
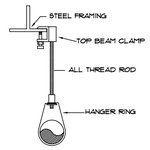
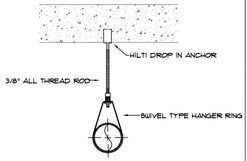


ARMOVER /DROP DETAIL
N.T.S.



HANGER #1
N.T.S.

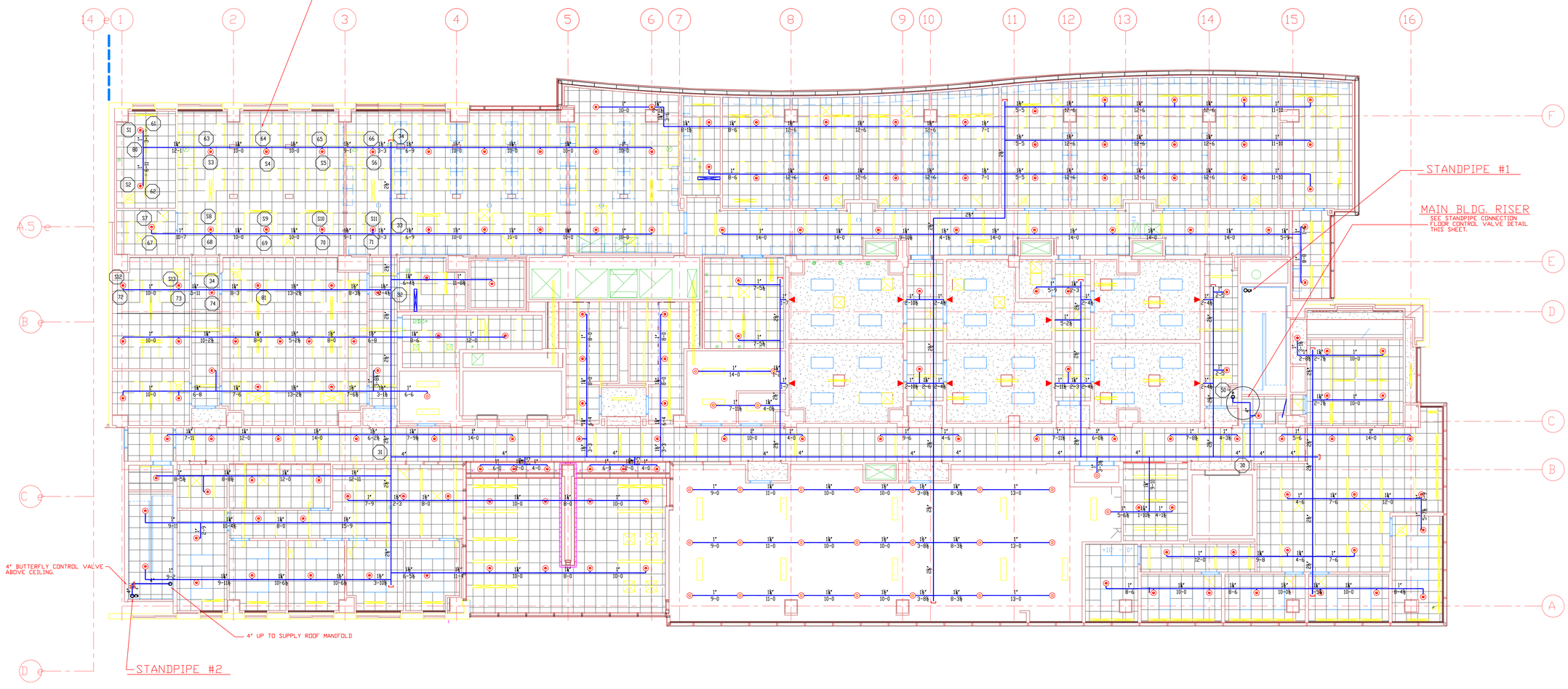


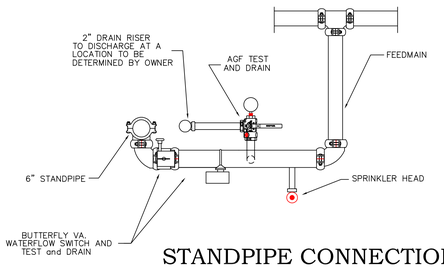
HANGER #2
N.T.S.

5TH FLOOR – REMOTE AREA

HAZARD CLASSIFICATION:	ORDINARY HAZARD		SYSTEM:	BASEMENT	
HYDRAULIC DESIGN DATA:	DENSITY: .20 GPM/SQ. FT.	130	SQ. FT./HEAD		
AREA OF APPLICATION:	1500 MIN.	HOSE ALLOWANCE:	250	GPM	
TOTAL SYSTEM REQUIREMENTS:	579.42 GPM AT	144.981 PSI AT	PUMP		
WATER SUPPLY INFORMATION–AT SRC : STATIC PRESSURE		59 PSI			
RESIDUAL PRESSURE	56 PSI WITH	1050 GPM FLOWING			

○ DENOTES HYDRAULIC CALCULATION REFERENCE POINT





STANDPIPE CONNECTION
FLOOR CONTROL VALVE DETAIL
N.T.S.

FIFTH FLOOR FIRE PROTECTION PLAN

Scale: 1/8" = 1'-0"

1. ALL SPRINKLER CROSSMAINS AND BRANCHLINES ON THE FIFTH FLOOR ARE AT 10'-8" U.N.O.
2. ALL UPRIGHT SPRINKLERS (◎) ARE INSTALLED ON 1" SPRIGS.

GENERAL NOTES

1. The Sprinkler System is designed in accordance with the requirements of NFPA–13, and local authority having jurisdiction.
2. All material shall be UL or FM Listed .
3. Threaded pipe to be black steel Schedule 40. Grooved pipe to be black Sch.40, with welded outlets and grooved fittings.
4. All work to be tested at 200 PSI for 2 Hours.
5. Hangers to be per Details on drawings and per NFPA #13. Hangers to be spaced in accordance with NFPA–13 requirements.
6. Sprinkler Heads to be per NFPA #13 and as shown on legend.
7. All construction is of non–combustible materials. Floors are concrete with concrete and steel support members.
8. Welded pipe to be in accordance with the latest edition of NFPA #13.
9. The owner is responsible for maintaining the proper operating condition of his system(s) and devices.
10. All electrical control and/or alarm system wiring to be provided & installed by others.
11. Heat shall be provided by others to prevent water filled pipe from freezing.
12. All underground shall be By–Others.

REVISIONS

SPRINKLER LEGEND & SCHEDULE

SYMBOL	PART NO./QRN	MFG.	MODEL	TYPE	ORIFICE	K-FACTOR	SPRINKLER COVERAGE	TEMP	HEAD FINISH	SPRINKLER WRENCH	QUANTITY
◎	TY3531	TYCO	TY3	CONC.	1/2"	5.6	STANDARD	155	BRASS–WHITE		79
◎	TY3531	TYCO	TY3151	UPRIGHT	1/2"	5.6	STANDARD	155	CHROME		20
▼	TY3331	TYCO	TY8B	HDW	1/2"	5.6	STANDARD	155	CHROME		12

TOTAL COUNT THIS SHEET = 207

HYDRAULIC DESIGN DATA

Hazard Class.	ORDINARY HAZARD
System Area	130
System Type	WET
Water Supply – Static	59 PSI
– Resid.	56 PSI
– Flow	1050 GPM
Calculated Density	.20
Remote Area Size	1500 SQFT
Coverage Per Head	VARIES
Demand	SEE CALCS.
◎ Denotes Reference Points	

24 HEAD CART & WRENCH(ES) PROVIDED

REBEL FIRE PROTECTION, INC.
6730 WEST HORSESHOE ROAD
MORGANTOWN, IN. 46160

PROJECT : IU NEUROSCIENCES RESEARCH BUILDING

LOCATION : INDIANAPOLIS, INDIANA

PROJECT WITH : SULLIVAN AND POORE, INC.

SBC NO.

SCALE : AS NOTED

DATE : 1–13–13

DESIGNED BY : PGE

CHECKED BY : JS

CONTRACT NO. :

SHEET NO. FP6 of FP8