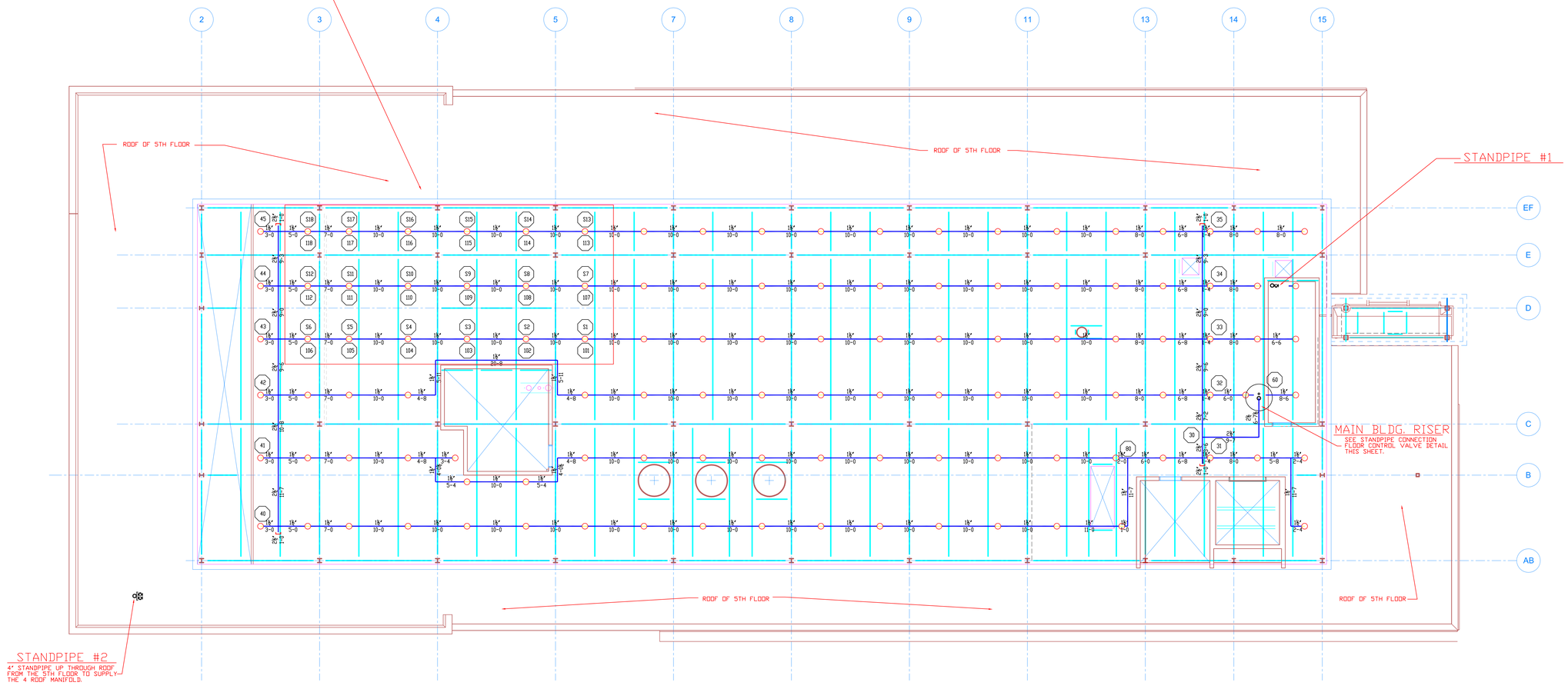
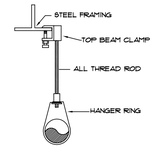
PENTHOUSE – REMOTE AREA

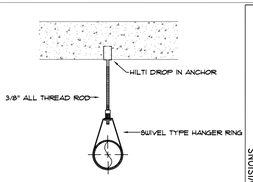
HAZARD CLASSIFICATION:	ORDINARY HAZARD		SYSTEM:	BASEMENT	
HYDRAULIC DESIGN DATA:	DENSITY: .20 GPM/SQ. FT.		130	SQ. FT./HEAD	
AREA OF APPLICATION:	1500 MIN.	HOSE ALLOWANCE:	250	GPM	
TOTAL SYSTEM REQUIREMENTS:	466.65 GPM AT	100.431 PSI AT	PUMP		
WATER SUPPLY INFORMATION–AT SRC : STATIC PRESSURE			59	PSI	
RESIDUAL PRESSURE	56 PSI WITH		1050	GPM FLOWING	

○ DENOTES HYDRAULIC CALCULATION REFERENCE POINT

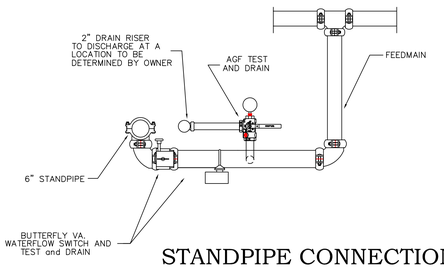




HANGER #1
N.T.S.



HANGER #2
N.T.S.



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

N

PENTHOUSE FIRE PROTECTION PLAN

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

1. ALL SPRINKLER CROSSMAINS AND BRANCHLINES AT THE PENTHOUSE LEVEL ARE AT 10'-8" U.N.O.

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
○	193131	TYCO	TY3180	UPRIGHT	1/2"	5.6	STANDARD	175	BRASS		116

TOTAL COUNT THIS SHEET = 116

2,4 HEAD CART & WRENCH(ES) PROVIDED

HYDRAULIC DESIGN DATA

Hazard Class	ORDINARY HAZARD
System Area	
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

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.

SRC NO.

SCALE : AS NOTED

DATE : 1–13–13

DESIGNED BY : PGE

CHECKED BY : JS

CONTRACT NO. :

SHEET NO. FP7 of FP8