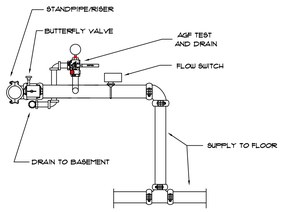
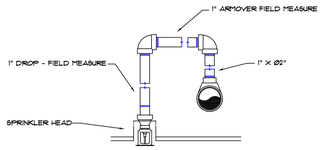
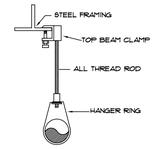


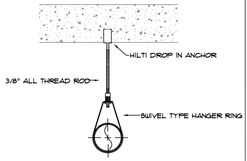
FLOOR CONTROL VALVE DETAIL
N.T.S.



ARMOVER / DROP DETAIL
N.T.S.



HANGER #1
N.T.S.

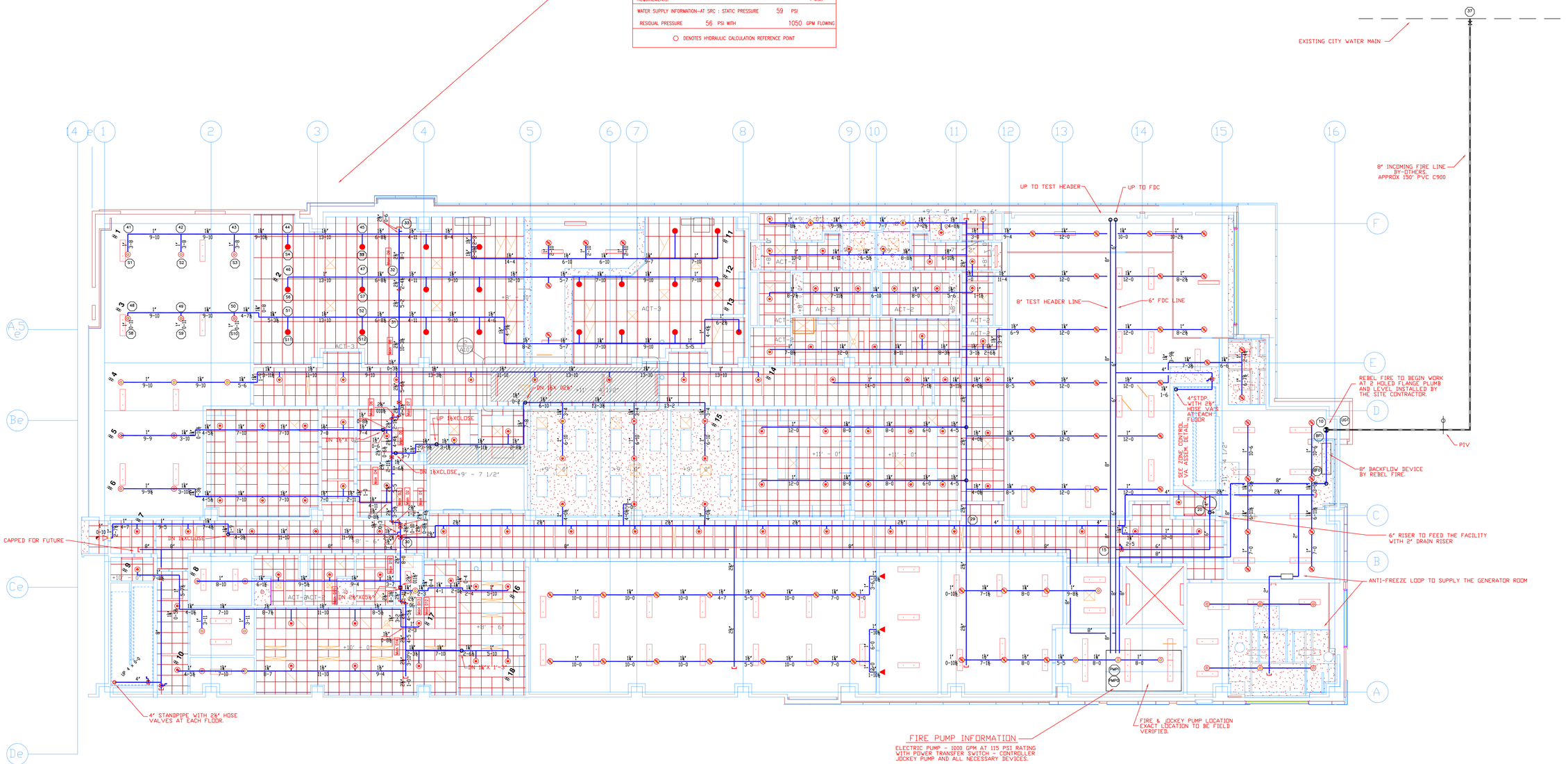


HANGER #2
N.T.S.

BASEMENT – 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:	478.37 GPM AT	145.675 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



BASEMENT LEVEL FIRE PROTECTION PLAN

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

1. ALL UPRIGHT SPRINKLERS ARE INSTALLED ON 1" SPRIGS - UNLESS NOTED OTHERWISE.
1. HEADS AND PIPE SHALL BE LOCATED IN ACCORDANCE WITH NFPA#13 AND NEC REQUIREMENTS IN ALL ELECTRICAL ROOMS.

SUBMITTED ON 12-19-12

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. All pipe to be black steel Schedule 40.
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.
13. All upright sprinkers shall be on installed on 1" sprigs–unless noted otherwise.

REVISIONS

SPRINKLER LEGEND & SCHEDULE

SYMBOL	PART NO./JRN	MFG.	MODEL	TYPE	ORIFICE	K-FACTOR	SPRINKLER COVERAGE	TEMP	HEAD FINISH	QUANTITY
●	T13531	TYCO	RFII	CONC.	1/2"	5.6	STANDARD	155	BRASS WITH WHITE ESCHN.	12
●	T13531	TYCO	RFII	CONC.	1/2"	5.6	STANDARD	200	BRASS WITH WHITE ESCH.	12
◎	T13131	TYCO	TY-FRB	UP	1/2"	5.6	STANDARD	155	BRASS	28
◎	T13131	TYCO	TY-FRB	UP	1/2"	5.6	STANDARD	286	BRASS	57
◎	T13131	TYCO	TY-FRB	PSHW	1/2"	5.6	STANDARD	286	BRASS	2
▼	T13531	TYCO	TY-FRB	PSHW	1/2"	5.6	STANDARD	155	BRASS	1
▽	T13531	TYCO	TY-FRB	PSHW	1/2"	5.6	STANDARD	155	BRASS	

TOTAL COUNT THIS SHEET = 214

2.4 HEAD CART & WRENCH(ES) PROVIDED

HYDRAULIC DESIGN DATA

Hazard Class:	ORDINARY HAZARD
System Area:	BASEMENT
System Type:	WET
Water Supply – Static:	59 PSI
– Resid.	56 PSI
– Flow	1050 GPM
Calculated Density:	.20
Remote Area Size:	1500 SQ FT
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 : 320 WEST 15TH STREET
INDIANAPOLIS, INDIANA

PROJECT WITH : SULLIVAN AND POORE, INC.

SBC NO.
SCALE : AS NOTED
DATE : 12-12-12
DESIGNED BY : PGE
CHECKED BY : JS
CONTRACT NO. :

SHEET NO.
FP2 of FP