

ITEM	QTY	NAME	MATERIAL	TEMP	K	NPY	ORIF	MFG	MODEL #	ESQD
45	UPR	BRASS	155	5.60	1/2"	1/2	WKING	M-QR		CONCEALED
158	PEND	CHROME	155	5.60	1/2"	1/2	WKING	M-QR		RECESSED
18	PEND	CHROME	155	5.60	1/2"	1/2	WKING	M-QR		RECESSED
75	PEND	CHROME	155	5.60	1/2"	1/2	STAR	TPP-MAX		
11	UPR	BRASS	155	5.60	1/2"	1/2	WKING	M-QR		
7	UPR	BRASS	155	5.60	1/2"	1/2	WKING	M-QR		

TOTAL HEADS THIS PAGE 315  
 TOTAL HEADS ENTIRE JOB 000

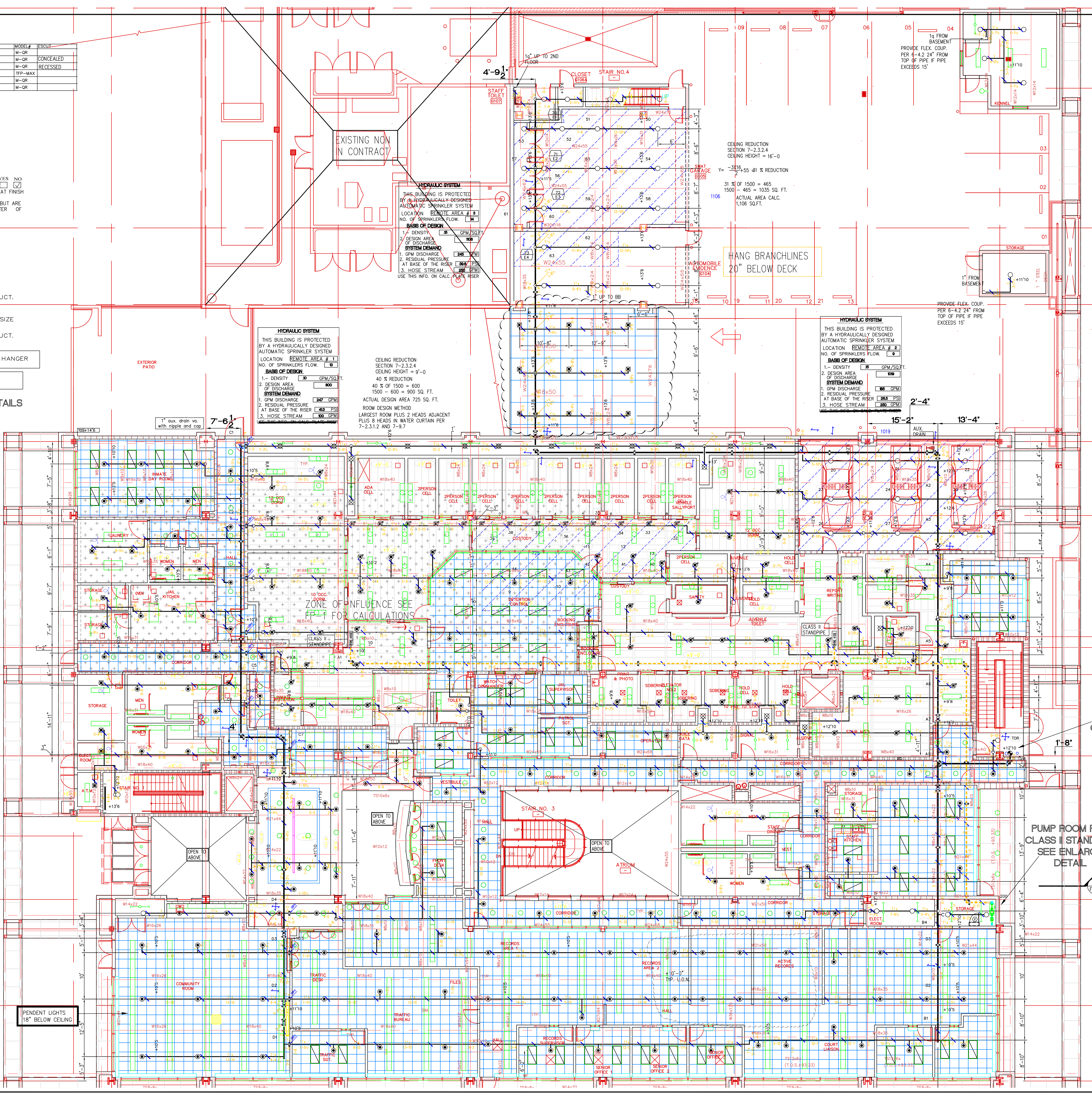
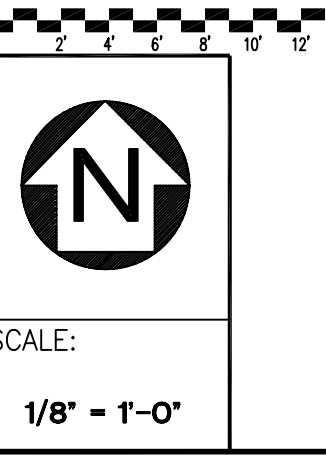
**CEILING NOTES**  
 SPRINKLER HEAD CENTER OF TILE  YES  NO  
 UNLESS NOTED OTHERWISE SPRINKLER HEADS AT FINISH  
 CEILING LEVELS ARE LOCATED WITHIN NORMAL  
 INSTALLATION AND FABRICATION TOLERANCE BUT ARE  
 NOT NECESSARILY LOCATED IN THE EXACT CENTER OF  
 THE CEILING TILE MODULES

**PIPING NOTES**  
 1.- HANG ALL PIPE 1" TO 2" IN SIZE  
 (SEE PLAN FOR ELEVATIONS)  
 FROM CONCRETE AND STEEL STRUCT.  
 WITH HANGER #1, #2 AND #3  
 2.- HANG ALL PIPE 2-1/2" TO 6" IN SIZE  
 (SEE PLAN FOR ELEVATIONS)  
 FROM CONCRETE AND STEEL STRUCT.  
 WITH HANGER #1 AND #2  
 ALL ARM-OVERS OVER 24" TO HAVE A HANGER

SEE FP-1 FOR HANGER DETAILS

FOR GENERAL NOTES AND DETAILS  
 SEE FP-01

**NOTE FOR HEADS IN CELLS**  
 SECTION 329A - AUTOMATIC SPRINKLER AND  
 STANDPIPE SYSTEMS  
 329A.1 GENERAL. EVERY BUILDING, OR PORTION THEREOF,  
 WHERE IN-MATES ARE RESTRAINED SHALL BE PROTECTED BY  
 AN AUTOMATIC SPRINKLER SYSTEM CONFORMING TO NFPA 13.  
 THE MAIN SPRINKLER CONTROL VALVE OR VALVES AND ALL  
 OTHER CONTROL VALVES IN THE SYSTEM SHALL BE LOCKED  
 IN THE OPEN POSITION AND ELECTRICALLY SUPERVISED SO  
 THAT AT LEAST AN AUDIBLE AND VISUAL ALARM WILL SOUND  
 AT A CONSTANTLY ATTENDED LOCATION WHEN VALVES ARE  
 CLOSED. THE SPRINKLER BRANCH PIPING SERVING  
 CELLS MAY BE EMBEDDED IN THE CONCRETE CONSTRUCTION.  
 EXCEPTION. SPRINKLERS ARE NOT REQUIRED IN CELLS  
 HOUSING TWO OR FEWER INMATES AND THE BUILDING SHALL  
 BE CONSIDERED SPRINKLERED THROUGHOUT WHEN ALL THE  
 FOLLOWING CRITERIA ARE MET:  
 1. AUTOMATIC FIRE SPRINKLERS SHALL BE MOUNTED OUTSIDE  
 THE CELL MINIMUM OF 6 FEET (1829 MM) ON CENTER AND  
 12 INCHES (305 MM) FROM THE WALL WITH QUICK RESPONSE  
 SPRINKLER HEADS. WHERE SPACING PERMITS,  
 THE HEAD SHALL BE CENTERED OVER THE CELL DOOR  
 OPENING.

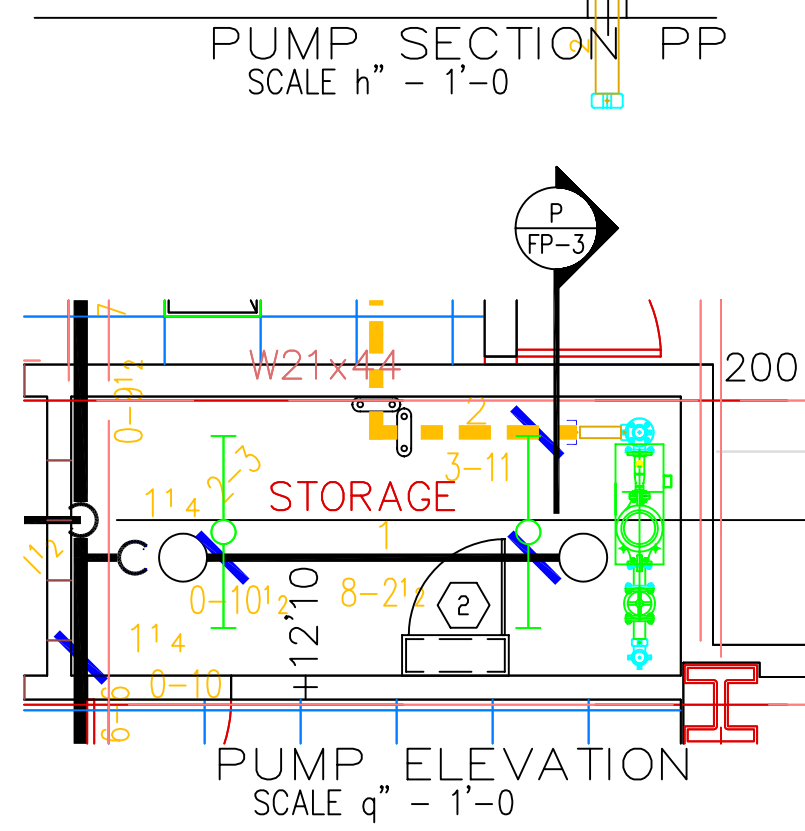
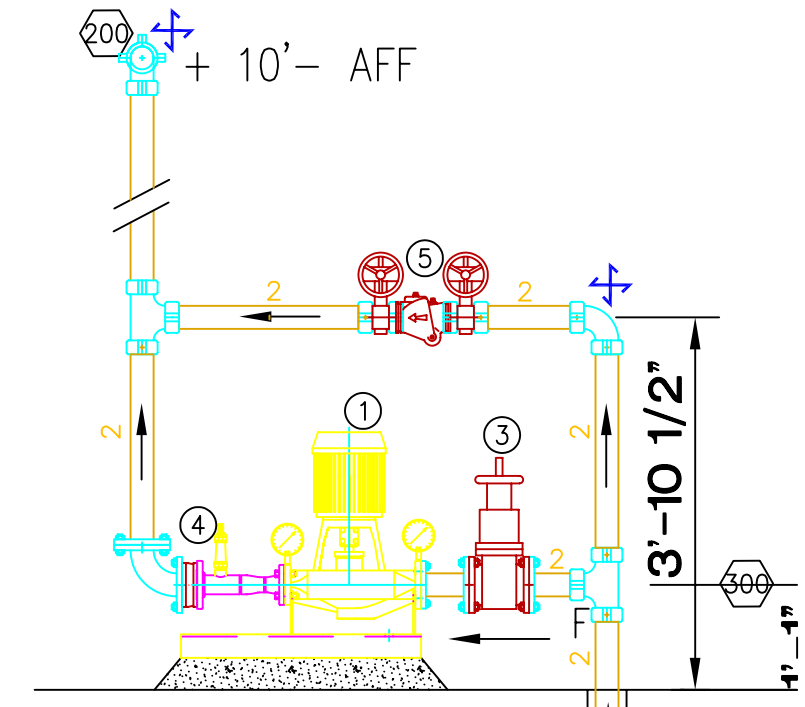


**HYDRULIC SYSTEM**  
 THIS BUILDING IS PROTECTED  
 BY A HYDRAULICALLY DESIGNED  
 AUTOMATIC SPRINKLER SYSTEM  
 LOCATION REMOTE AREA # 3  
 NO. OF SPRINKLERS FLOW 1 31  
**BASE OF DESIGN**  
 1. DENSITY 15 GPM/SQ.FT.  
 2. DESIGN AREA 40 % REDUCTION  
 40 % OF 1500 = 600  
 1500 - 600 = 900 SQ. FT.  
**SYSTEM DEMAND**  
 1. GPM DISCHARGE 240 GPM  
 2. RESIDUAL PRESSURE AT BASE OF THE RISER 443 PSI  
 3. HOSE STREAM 100 GPM  
 USE THIS INFO ON CALC. PLATE RISER

**HYDRULIC SYSTEM**  
 THIS BUILDING IS PROTECTED  
 BY A HYDRAULICALLY DESIGNED  
 AUTOMATIC SPRINKLER SYSTEM  
 LOCATION REMOTE AREA # 1  
 NO. OF SPRINKLERS FLOW 1 31  
**BASE OF DESIGN**  
 1. DENSITY 15 GPM/SQ.FT.  
 2. DESIGN AREA 40 % REDUCTION  
 40 % OF 1500 = 600  
 1500 - 600 = 900 SQ. FT.  
**SYSTEM DEMAND**  
 1. GPM DISCHARGE 240 GPM  
 2. RESIDUAL PRESSURE AT BASE OF THE RISER 443 PSI  
 3. HOSE STREAM 100 GPM

**HYDRULIC SYSTEM**  
 THIS BUILDING IS PROTECTED  
 BY A HYDRAULICALLY DESIGNED  
 AUTOMATIC SPRINKLER SYSTEM  
 LOCATION REMOTE AREA # 2  
 NO. OF SPRINKLERS FLOW 1 31  
**BASE OF DESIGN**  
 1. DENSITY 15 GPM/SQ.FT.  
 2. DESIGN AREA 40 % REDUCTION  
 40 % OF 1500 = 600  
 1500 - 600 = 900 SQ. FT.  
**SYSTEM DEMAND**  
 1. GPM DISCHARGE 240 GPM  
 2. RESIDUAL PRESSURE AT BASE OF THE RISER 443 PSI  
 3. HOSE STREAM 100 GPM

- MATERIAL LIST**
1. ARMSTRONG F4516 2X1-1/2 LA-F FIRE PUMP 100 GPM @ 50 PSI
  2. FIRE PUMP CONTROLLER METRON MODEL M30A-7.5-460 MTS 100
  3. 2" UL AND FM OS&Y GATE VALVE.
  4. 2" UL AND FM BUTTERFLY VALVE
  5. 2" BY-PASS (2) BUTT. VALVES AND 2" CHECK VAL.
  - 6.



FLOOR CONTROL VA.

PUMP ROOM FOR CLASS II STANDPIPE  
 SEE ENLARGE DETAIL

**FIRE SPRINKLERS**

PROJECT POLICE DEPARTMENT  
 ADDRESS CITY  
 TITLE:  
 DRAWN: WY DATE: --- DRAWING NO. FP-1  
 OF --- SHEETS  
 WY  
 END OF PAPER SERVICES