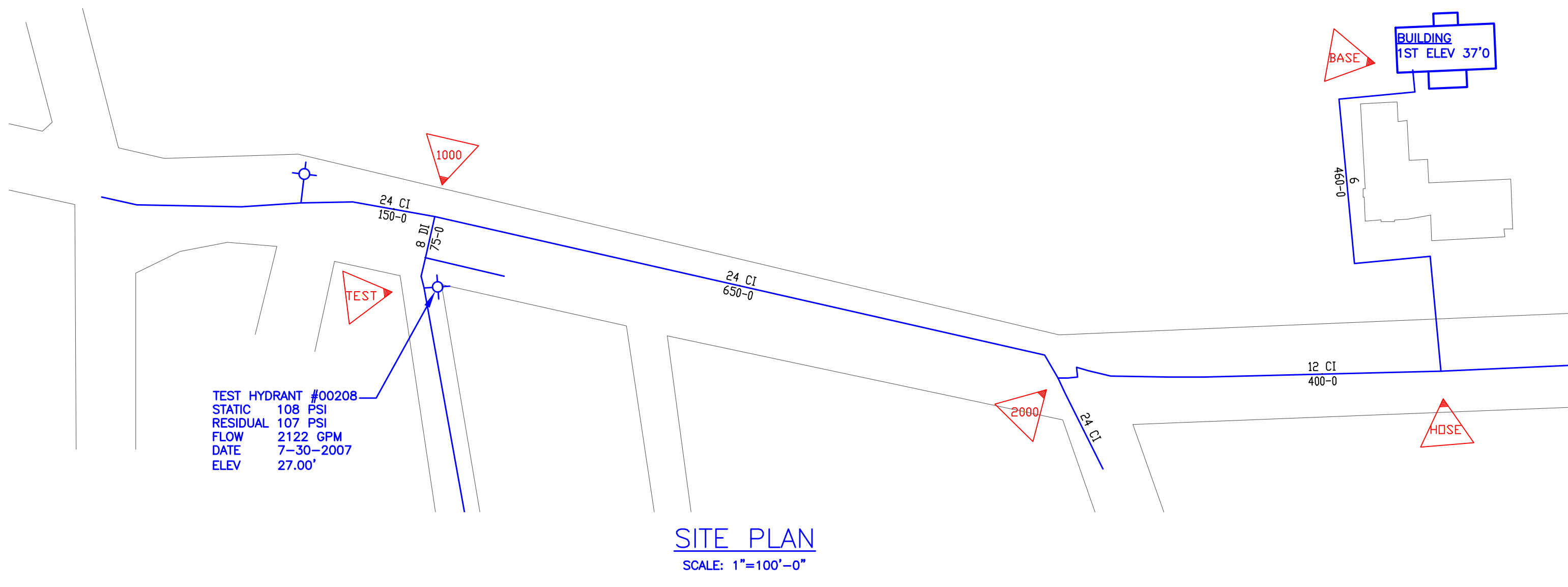
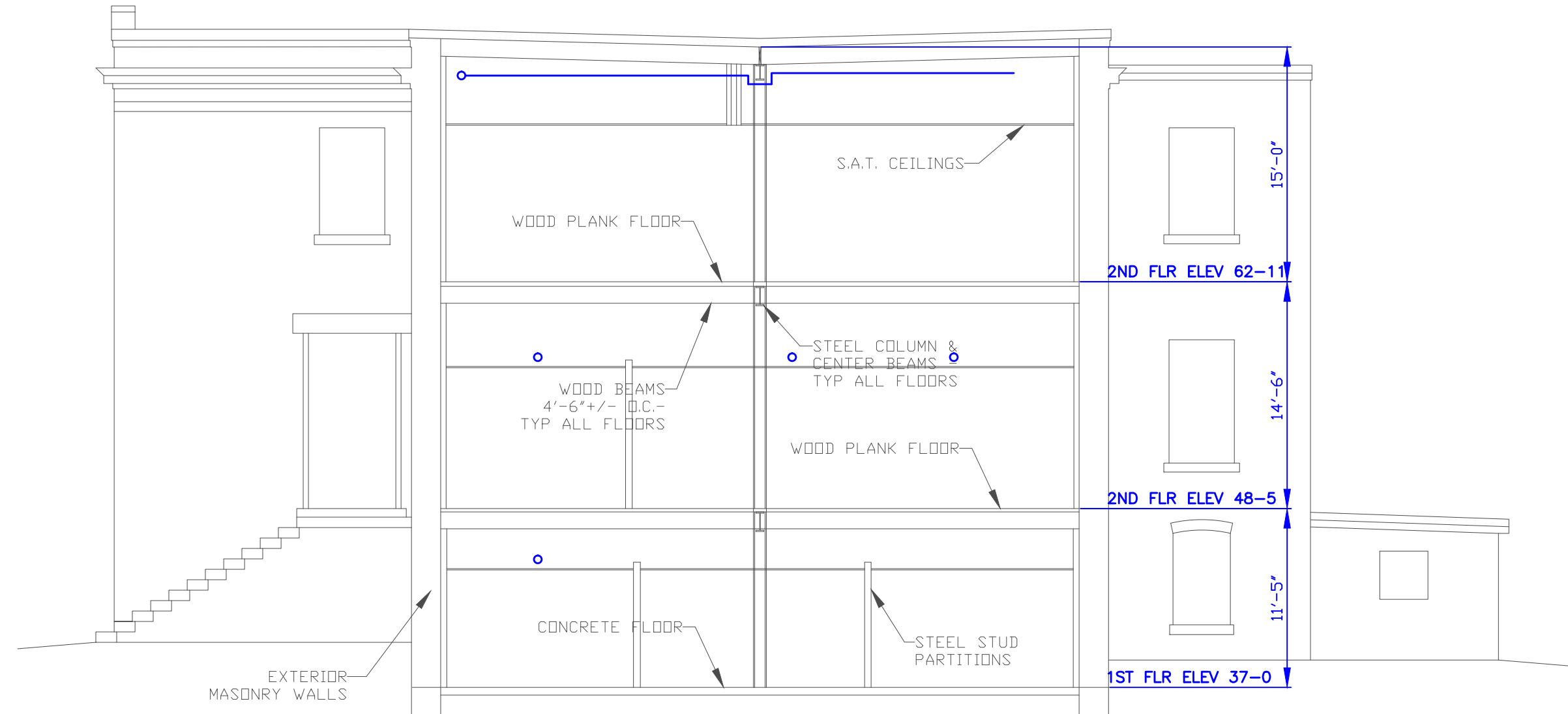


SECOND FLOOR PLAN
FIN. FLR. ELEV. = 48.42'
SCALE: 1/8"=1'-0"

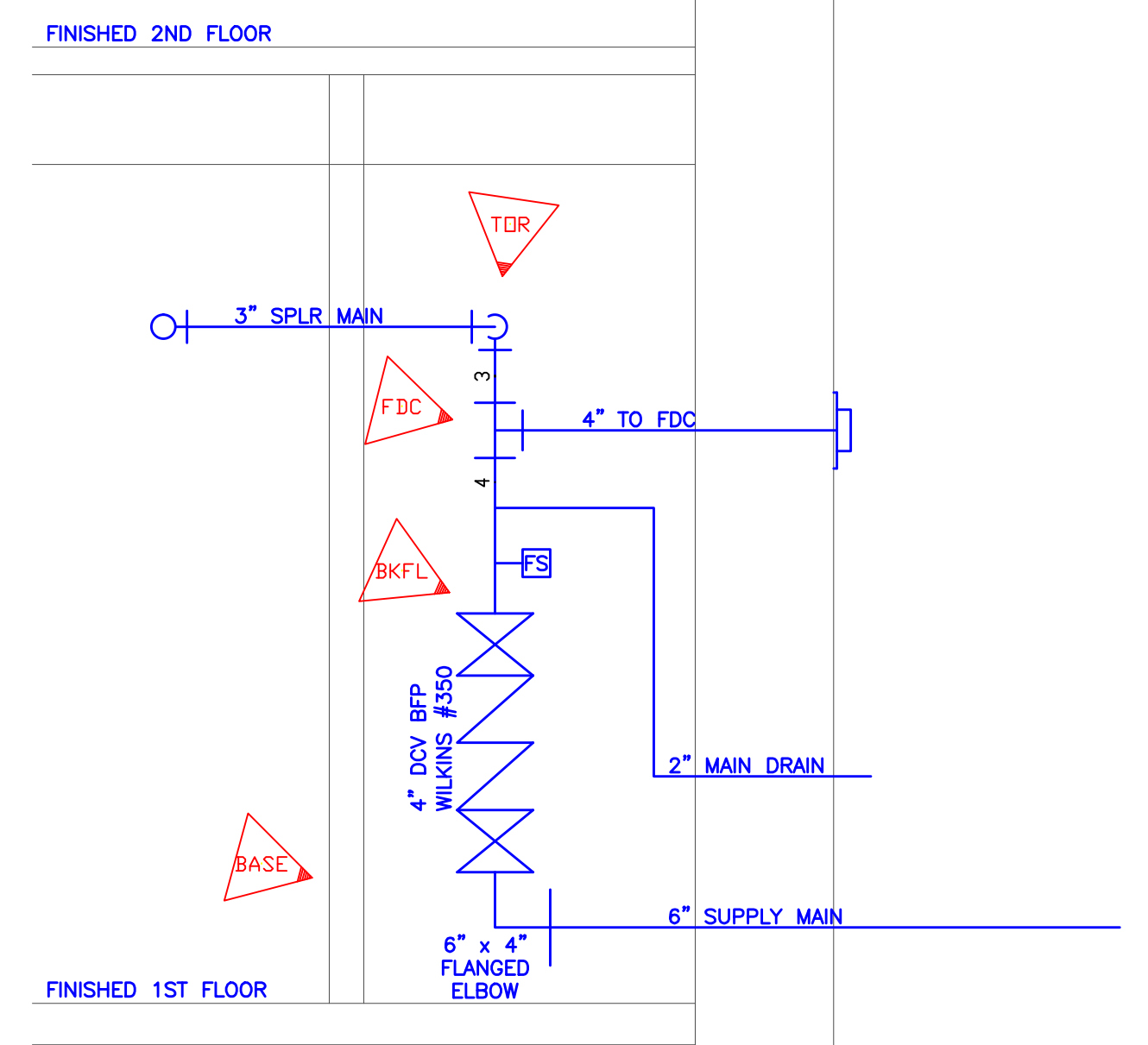
SYSTEM #X AREA-Y
HYDRAULIC DATA NAMEPLATE
This Building is protected by a hydraulically designed Automatic Sprinkler System
Location AREA-2
No. of Sprinkler 5
Basis of design
1. Density .10 gpm/ft²
2. Design area 900 ft² of discharge
System Demand
1. Water Flow Rate @ Base 181.28 gpm
2. Residual Pressure @ Base 60.495 psi
Cushion: 42,399 psi
MOST REMOTE AREA
GROSS AREA SQ.FT. 14,700



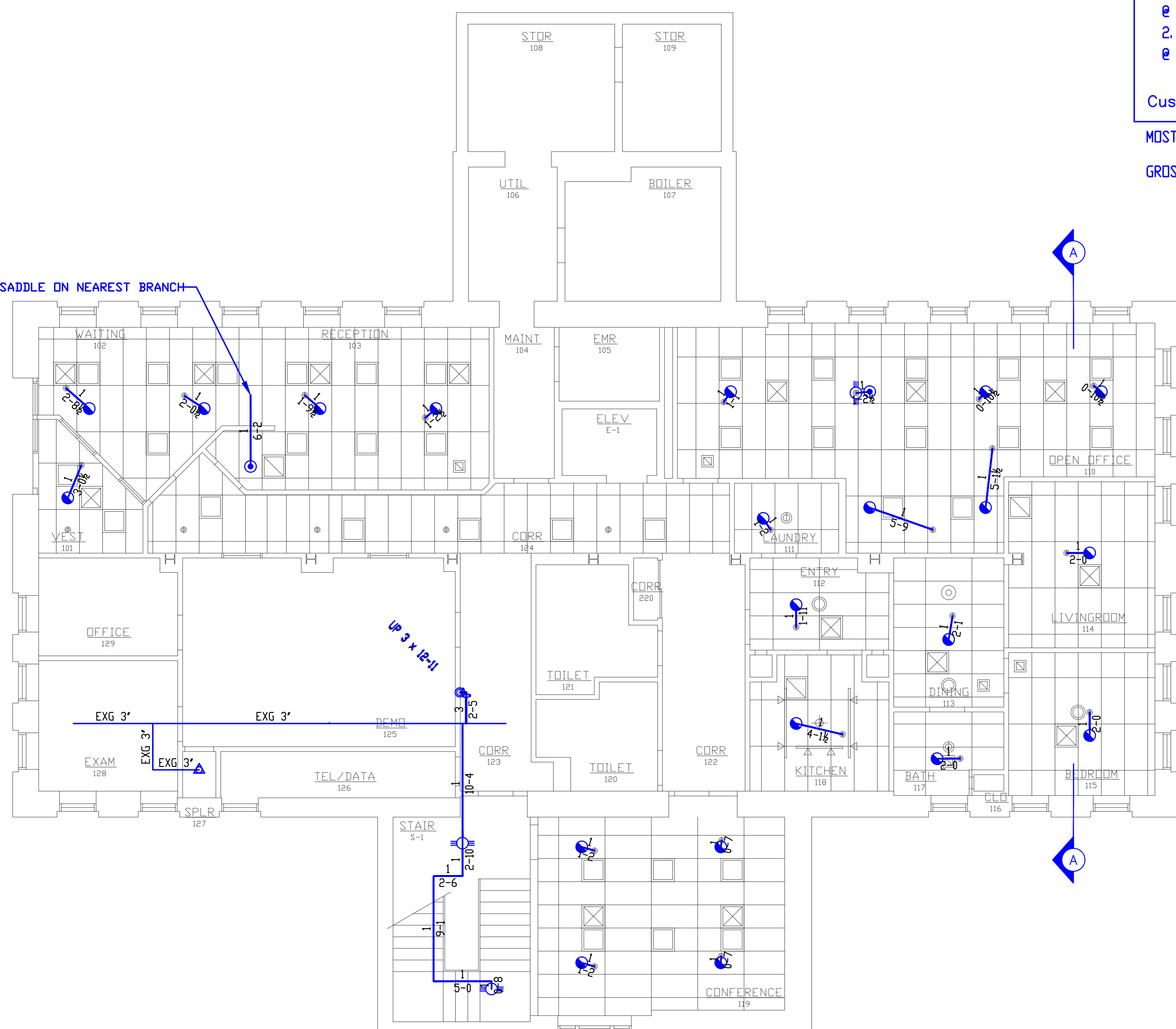
SITE PLAN
SCALE: 1"=100'-0"



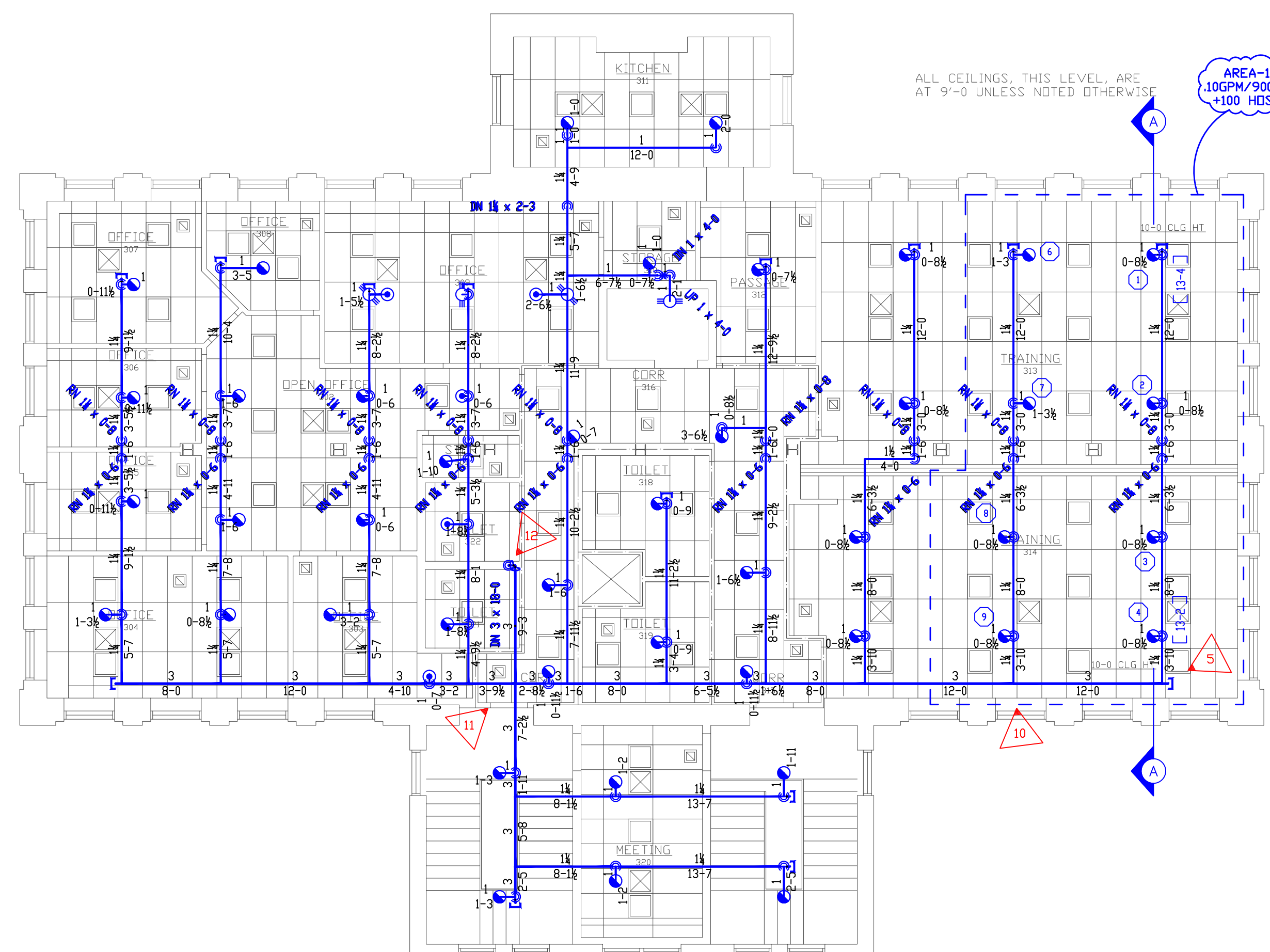
BUILDING SECTION
SCALE: 1/8"=1'-0"



ELEVATION OF EXISTING RISER
SCALE: NONE



FIRST FLOOR PLAN
FIN. FLR. ELEV. = 37.00'
SCALE: 1/8"=1'-0"

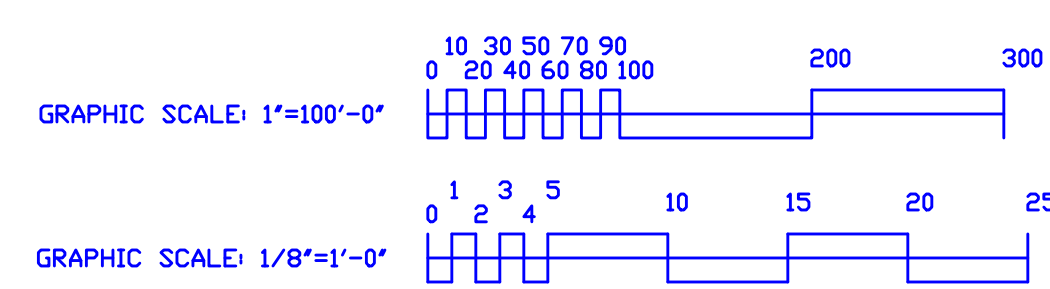


THIRD FLOOR PLAN
FIN. FLR. ELEV. = 62.92'
SCALE: 1/8"=1'-0"

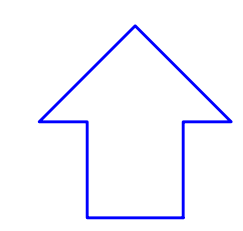
GENERAL NOTES:

- IT IS THE BUILDING OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT FOR ALL AREAS IN THE BUILDING PROTECTED BY WET SPRINKLER SYSTEMS AND FOR ALL WATER FILLED SUPPLY PIPES. VALVES AND SYSTEM RISERS IN ALL DRY PIPE SPRINKLER SYSTEMS.
- ALL NEW PIPING IS TO BE HYDROSTATICALLY TESTED AT NOT LESS THAN 200 PSI FOR 2 HOURS, OR AT 50 PSI IN EXCESS OF THE MAXIMUM PRESSURE, WHEN THE MAXIMUM PRESSURE TO BE MAINTAINED IS IN EXCESS OF 150 PSI. (PER NFPA 13)
- WHETHER OR NOT INDICATED ON DRAWINGS, THE FOLLOWING ITEMS ARE TO BE PROVIDED:
 . SPARE HEAD CABINET WITH WRENCH (NFPA 13)
 . PROVISIONS FOR FLUSHING CONNECTIONS AND DRAINING OF ALL PIPE.
 . INSPECTORS TEST CONNECTION SHALL BE PROVIDED FOR EACH SYSTEM
 A) FOR WET PIPE SYSTEMS SEE NFPA 13)
 B) FOR DRY PIPE SYSTEMS SEE NFPA 13)
 . AIR PRESSURE SHALL BE MAINTAINED ON ALL DRY PIPE SYSTEMS BY AN APPROVED AUTOMATIC AIR COMPRESSOR OR PLANT AIR SYSTEM SPECIFICALLY APPROVED FOR AND CAPABLE OF AUTOMATICALLY MAINTAINING THE REQUIRED AIR PRESSURE.
 . WET PIPE SYSTEMS SHALL BE PROVIDED WITH A RELIEF VALVE NOT LESS THAN 1/2" IN SIZE. (NFPA 13).
- ALL PIPE 2" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH EITHER MALLEABLE IRON FITTINGS OR GROOVED COUPLINGS AND VICTAULIC FITTINGS OR EQUIVALENT.
- ALL PIPE 2 1/2" AND LARGER, SHALL BE SCHEDULE 10 STEEL, WITH GROOVED COUPLINGS AND VICTAULIC MECHANICAL FITTINGS OR EQUIVALENT.
- ALL MECHANICAL TRADES ARE TO COORDINATE THEIR WORK WITH SPRINKLER WORK AS SHOWN ON THESE PLANS.
- ALL HANGERS AND LOCATIONS ARE TO BE IN ACCORDANCE WITH N.F.P.A. 13.
- ALL SPRINKLER HEADS IN SUSPENDED CEILING TILES ARE TO BE LOCATED IN AN AESTHETIC, SYMMETRICAL PATTERN WHENEVER POSSIBLE WITH THE HEADS CENTERED ON EVEN FOOT INCREMENTS WITHIN THE TILE.
- ALL PIPING IS TO BE PITCHED IN ACCORDANCE WITH N.F.P.A. 13.
- HYDRAULIC DATA REFERENCE POINTS: (25) (26) (27)
- CENTER LINE OF PIPE ABOVE FINISH FLOOR (12'-0") BELOW DECK (12")
- PROTECTIVE CAPS ARE TO REMAIN ON THE SPRINKLER HEADS UNTIL AFTER CEILINGS ARE INSTALLED.
- WHERE SURFACE MOUNTED OBSTRUCTIONS EXIST DEEP ESCUTCHEON SPRINKLER HEADS WILL BE INSTALLED.
- SCOPE OF WORK IS TO EXTEND THE EXISTING WET SPRINKLER SYSTEM FROM THE FIRST FLOOR TO THE SECOND AND THIRD FLOOR, PROVIDE COVERAGE BOTH ABOVE AND BELOW THE CEILING AND IS LIMITED TO THE WORK SHOWN ON THESE DOCUMENTS.

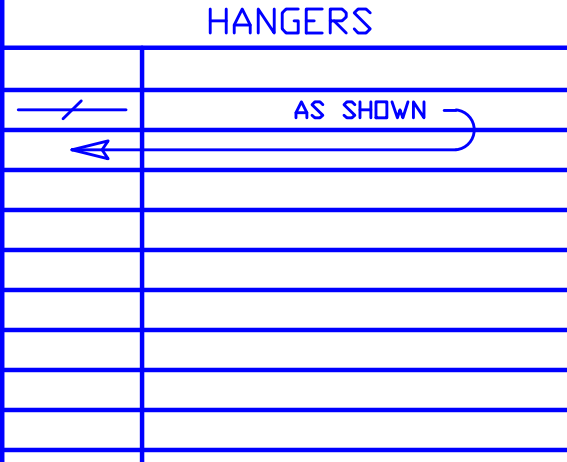
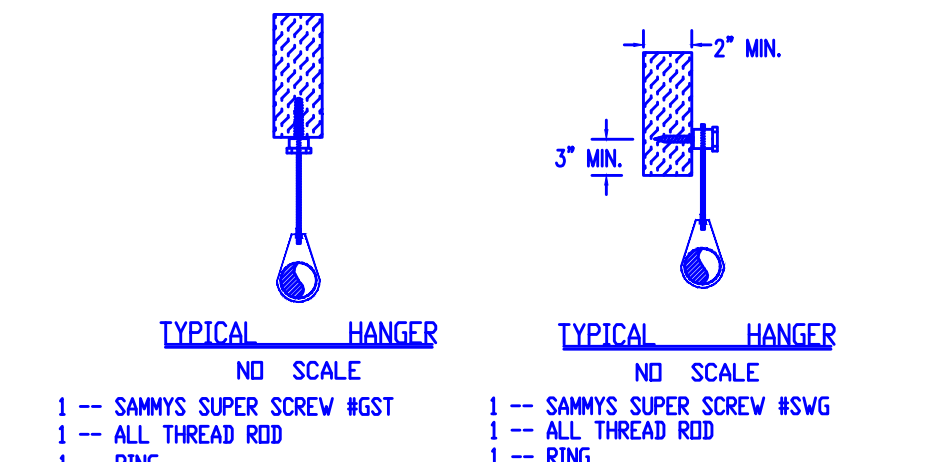
HYDRAULIC DATA NAMEPLATE
This Building is protected by a hydraulically designed Automatic Sprinkler System
Location AREA-1
No. of Sprinkler 8
Basis of design
1. Density .10 gpm/ft²
2. Design area 900 ft² of discharge
System Demand
1. Water Flow Rate @ Base 168.74 gpm
2. Residual Pressure @ Base 56.671 psi
Cushion: 46.31 psi
NOT MOST REMOTE AREA



NORTH



- Type of Hazard LIGHT
- Deflector Distance
- Pipe Type Used 10/40 BLK
- Sprinkler Area 14,700 SQ. FT.
- Type of Construction OBSTRUCTED COMBUSTIBLE
- Maximum Spacing Allowed 225 SF/HD BEDV & 168 SF/HD ABOVE
- PIPE SIZING METHOD: PIPE SCHEDULE HYDRAULICALLY CALCULATED
- ALL HANGERS AND LOCATIONS TO BE IN ACCORDANCE WITH N.F.P.A. PAMPHLET NO. 13
- HIGH DEGREE TEMPERATURE SPRINKLER HEADS TO BE INSTALLED IN ACCORDANCE WITH N.F.P.A. PAMPHLET NO. 13



ABBREVIATIONS

B	Bottom of Beam
D	Bottom of Deck
P	Bottom of Pipe
HW	Head Valve
N.A.C	Not in Contract
NC	Not to Scale
ONS	Open Star Valve
OSV	Open Star Valve
PRV	Pressure Red Valve
RM	Roof Mounted
SP	Standpipe
TOP	Top of Beam
TOP	Top of Pipe
TOS	Top of Steel
UDN	Unless Otherwise Noted
CL	Centerline
NCS	No Automatic Sprinklers
OTA	Open to Above

CONTRACT RESPONSIBILITIES

ITEM	FFC	OTHERS
STREET CONN.		
EXCAVATION		
FLUSHING		
WIRING		
PAINTING		
TAMPERS SYSTEMS		
FLOW SWITCHES		
STREET CONN.		

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	DRIFICE	K-FACTOR	TOTAL
1	RELIABLE	F1FR56	RA444	WHITE	REC PENDENT	155 F	1/2"	1/2"	5.6	III
2	RELIABLE	F1FR56	RA425	Bronze	UPRIGHT	200 F	1/2"	1/2"	5.6	III
3	RELIABLE	J112	RA726	WHITE	REC PENDENT	135 F	3/4"	3/8"	11.2	5

SUBMITTALS

SENT TO	DATE SENT MM/DD/YY	DATE RECEIVED
I S D		
T M		
L M		
I R I		
L A		
STATE FIRE		
LOCAL FIRE		
LOCAL WATER		
G. C.		

LICENSE # 093
R.M.S.# 442
PERMIT # XXXX

P.O. BOX 1395
LEWISTON MAINE
04243-1285

THE IRIS NETWORK
RYAN BUILDING RENOVATION
189 PARK AVE
PORTLAND, MAINE
FLOOR PLANS

CONTRACT WITH ALLIED-COOK CONSTRUCTION

SYSTEM TYPE	NO.	DATE	REVISIONS	DESCRIPTION
WET				
DRY				
DELUGE				
PREACTION				
M.C. LIFE				

SCALE: AS NOTED
DRAWN BY: ARS
CHECKED BY: CDS
NICET III #78833
DATE: 15 DEC 2014
TOTAL SPRKS ON JOB: 1 OF 1
SHEET # 217
JOB# 14-121