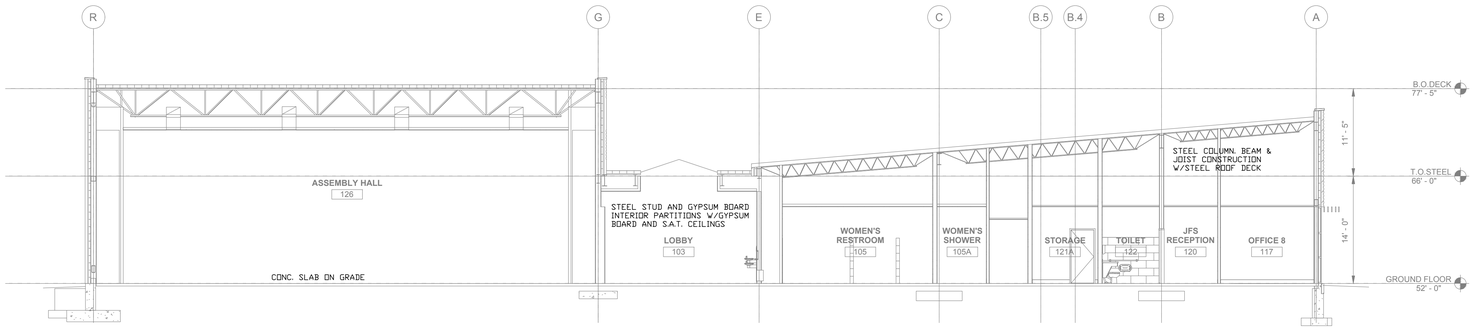
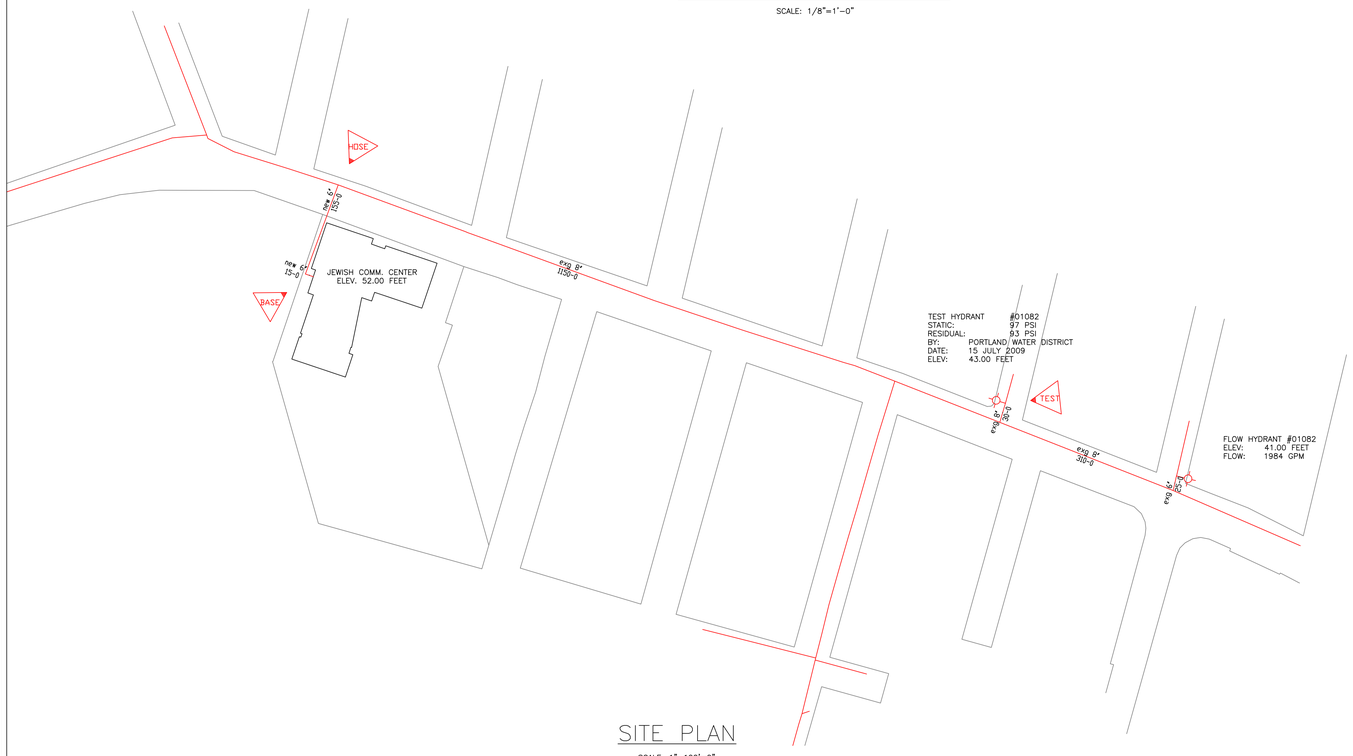


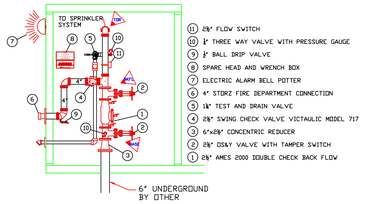
BUILDING SECTION A–A

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



SITE PLAN

SCALE: 1"=100'-0"



1. 2½" FLOW SWITCH
2. 1" THREE WAY VALVE WITH PRESSURE GAUGE
3. 1" BALL DRIP VALVE
4. SPARE HEAD AND WRENCH BOX
5. ELECTRIC ALARM BELL POTTER
6. 4" STORZ FIRE DEPARTMENT CONNECTION
7. 1½" TEST AND DRAIN VALVE
8. 2½" SWING CHECK VALVE VICTAULIC MODEL 717
9. 6"x2½" CONCENTRIC REDUCER
10. 2½" OS&Y VALVE WITH TAMPER SWITCH
11. 2½" AMES 2000 DOUBLE CHECK BACK FLOW

RISER DETAIL & LEGEND

SCALE: 1/4"=1'-0"

GENERAL NOTES:

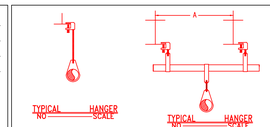
- IT IS THE BUILDING OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT FOR ALL AREAS IN THE BUILDING PROTECTED BY WET SPRINKLER SYSTEMS AND FOR ALL WATER FILLED SUPPLY PIPES, VALVES AND SYSTEM RISERS IN ALL DRY PIPE SPRINKLER SYSTEMS.
- ALL NEW PIPING IS TO BE HYDROSTATICALLY TESTED AT NOT LESS THAN 200 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 MALLEABLE IRON FITTINGS.
- ALL PIPE 2½" AND LARGER, SHALL BE SCHEDULE 10 STEEL, WITH GROOVED COUPLINGS AND "ANVIL" 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 WITHIN THE TILE.
- ALL PIPING IS TO BE PITCHED IN ACCORDANCE WITH N.F.P.A. 13.
- HYDRAULIC DATA REFERENCE POINTS: (25) (HYD)
- 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.
- DESIGN PARAMETERS: LIGHT HAZARD OCCUPANCIES TO BE DESIGNED TO 0.10 GPM/SF OVER AN AREA OF 1,500 SF. ORDINARY HAZARD OCCUPANCIES TO BE DESIGNED TO 0.15 GPM/SF OVER 1,500 SF. A MINIMUM OF A 10% CUSHION WILL BE PROVIDED.
- SCOPE OF WORK IS TO PROVIDE A FULL, NEW, N.F.P.A. 13 SYSTEM THROUGHOUT ALL AREAS OF THE NEW BUILDING AND IS LIMITED TO THE WORK SHOWN ON THESE DOCUMENTS.

GRAPHIC SCALE: 1"=100'-0"

GRAPHIC SCALE: 1/8"=1'-0"

NORTH

1. Type of Hazard ORD / LIGHT 2. Deflector Distance _____
2. Pipe Type Used 10/40 BLK 4. Sprinkler Area XX,XXX SQ FT
5. Type of Construction NON COMBUSTIBLE
6. Maximum Spacing Allowed LIGHT=225 SQ FT/HD & ORD=130 SQ FT/HD
7. PIPE SIZING METHOD: PIPE SCHEDULE ☐ HYDRAULICALLY CALCULATED ■
8. ALL HANGERS AND LOCATIONS TO BE IN ACCORDANCE WITH N.F.P.A. PAMPHLET NO. 13
9. HIGH DEGREE TEMPERATURE SPRINKLER HEADS TO BE INSTALLED IN ACCORDANCE WITH N.F.P.A. PAMPHLET NO. 13



1 -- ALL THREAD ROD
1 -- RING
1 -- TOP BEAM CLAMP
1 -- 2" Sch 40 Black Steel Pipe (Length = A+6")
3 -- 3/8" x 4" All Thread Rod
2 -- 3/8" Top Beam Clamp
4 -- Rings

HANGERS

	AS SHOWN

ABBREVIATIONS

B	Bottom of Beam
D	Bottom of Deck
P	Bottom of Pipe
HV	Hose Valve
N & C	Nipple and Cap
NIC	Not in Contract
NTS	Not to Scale
OBJ	Open Bar Joists
PRV	Pressure Red Valve
RM	Roof Manifold
SP	Standpipe
TOB	Top of Beam
TOP	Top of Pipe
TOS	Top of Steel
UON	Unless Otherwise Noted
CL	Centerline
NAS	No Automatic Sprinklers
OTA	Open to Above

CONTRACT RESPONSIBILITIES

ITEM	FPC	OTHERS
STREET CONN		●
UGD MAIN		●
EXCAVATION		●
FLUSHING		●
WIRING		●
PAINTING		●
TAMPER SWITCHES	●	
FLOW SWITCHES	●	
STREET CONN		●

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	SIN	FINISH	TYPE	TEMP	NPT	ORIFICE	K-FACTOR	TOTAL

SUBMITTALS

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

LICENSE# FSC93 PERMIT # FSPXXXX
R.M.S.# 442

SPRINKLER SYSTEMS INC.

P.O. BOX 1285
LEWISTON MAINE
04243-1285

JEWISH COMMUNITY CENTER

1342/1348 CONGRESS ST
PORTLAND, MAINE

FLOOR PLAN AND DETAILS

CONTRACT WITH LEDGEWOOD CONSTRUCTION

SYSTEM TYPE	
WET	☐
DRY	☐
DELUGE	☐
PREACTION	☐
ME. LIFE	☐
	●

REVISIONS

NO.	DATE	DESCRIPTION

SCALE	AS NOTED
DRAWN BY	ARS
CHECKED BY	CDS - NICET III #78833
DATE	16 DEC 2016
TOTAL SPKRS ON JOB	186
SHEET#	FP-2 2 OF 2
JOB#	16-099