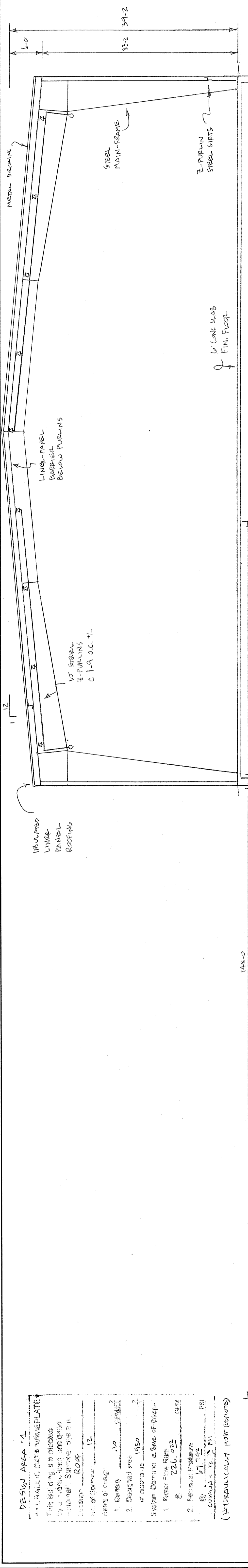


**NOTES:**

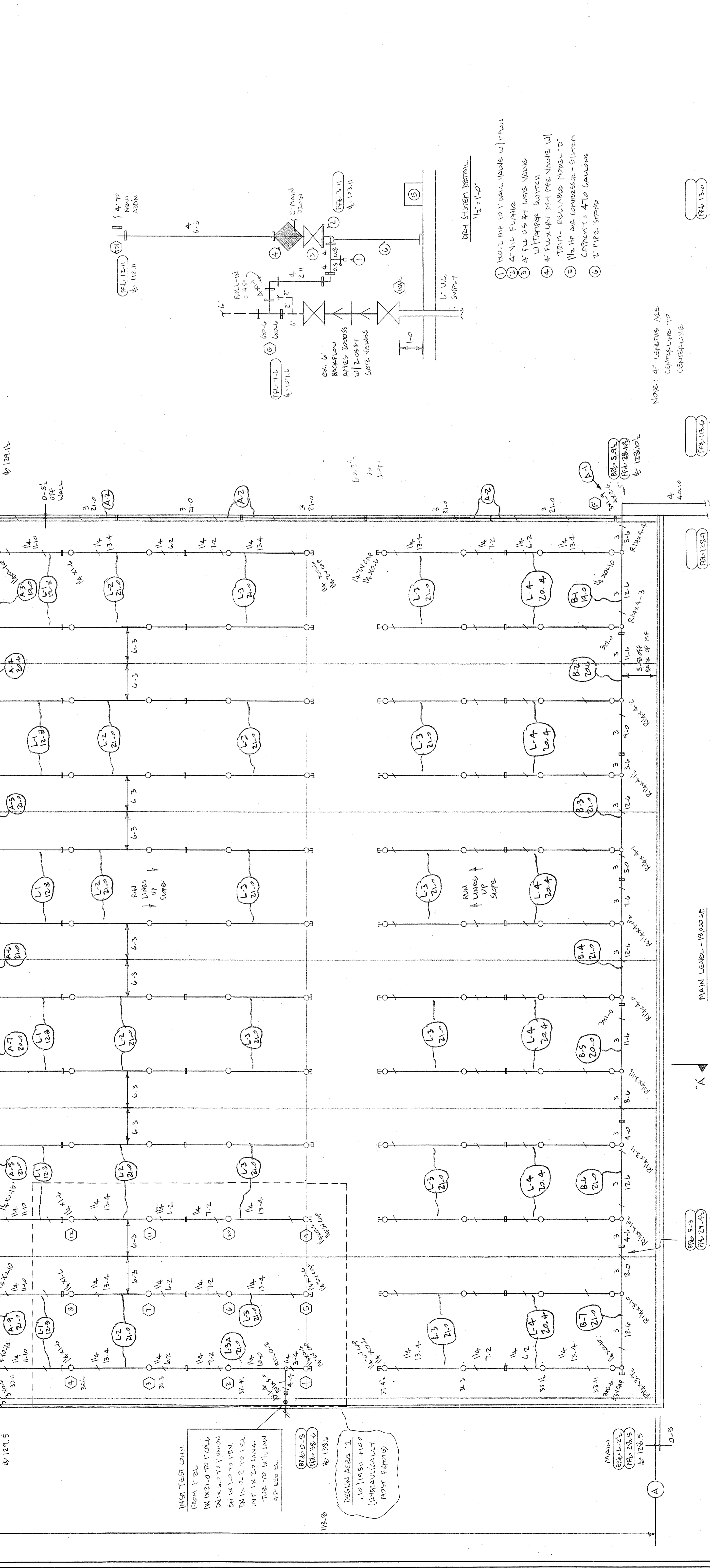
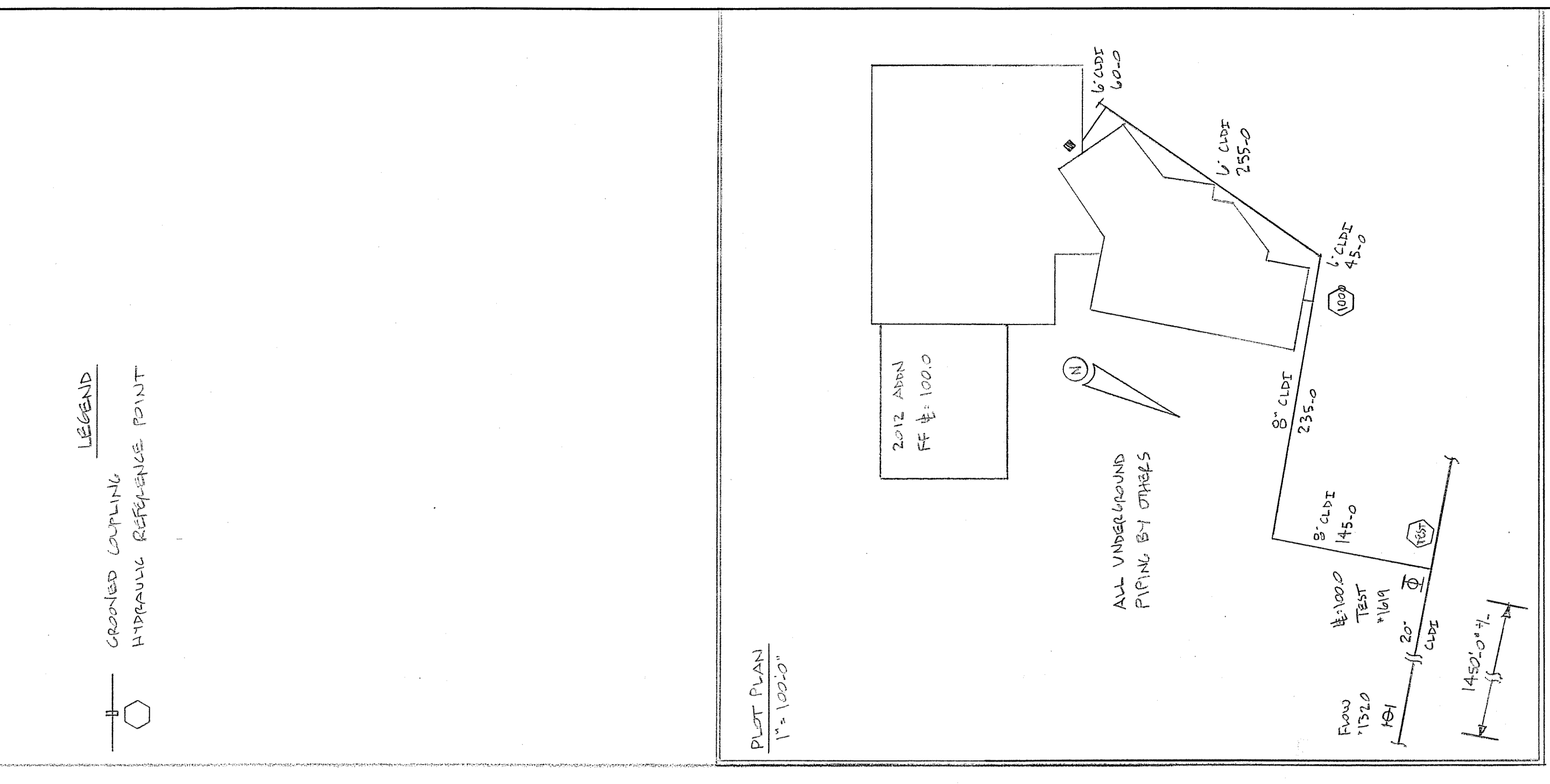
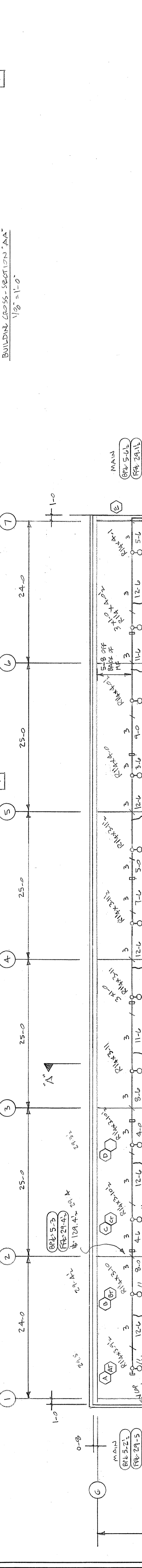
- 1) OCCUPANCY: INDOOR SPORTS CENTER - LIGHT HAZARD, 225 S.F.
- 2) DESIGN BASIS: EXTENSION OF EXISTING AFFR 15 HYDRAULICALLY CALCULATED WET/DRI SPRINKLER SYSTEM (SEE HYDRAULIC DATA SHEET).
- 3) ALL 1" PIPING TO BE BLACK STEEL SCHEDULE 40. ALL PIPING 1/2" AND LARGER TO BE BLACK STEEL THICKWALL. ALL FITTINGS TO BE CAST-IRON SCREWED OR GROOVED.
- 4) ALL PIPE AND HANGER DIMENSIONS ARE CUT LENGTHS FOR FABRICATION AND INSTALLATION.
- 5) RP & DELETES BOTTOM OF STEEL PURLIN TO CENTERLINE OF PIPE.
- 6) RP & DELETES BOTTOM OF STEEL PURLIN TO CENTERLINE OF PIPE.
- 7) COVER TO PROVIDE SUFFICIENT HEAD (MIN 10' F) IN SPRINKLER VALVE ROOM AT ALL TIMES TO PREVENT SPRINKLER FIRING FROM FREEZING.
- 8) OWNER: 510-512 WARREN AVENUE PORTLAND, ME 04103 878-2800



**WATER SUPPLY**

FLOW TEST BY PORTLAND WATER DISTRICT  
 WATER WAS FLOWED FROM HYDRANT #1320 ON WARREN AVENUE  
 APPROX. 145' FROM THE BUILDING FROM A 20" CIRCULATING  
 CITY MAIN. TEST HYDRANT #1319 LOCATED ON WARREN AVENUE  
 APPROX. 365' FROM BUILDING.

STATIC: 82 PSI  
 RESIDUAL: 81 PSI WITH 135 GPM FLOW  
 ELEVATION: 100.0



**HYDRAULIC DESIGN CRITERIA**

Deflector: 1.5' x 1.5' (Type 1)  
 Remote Area: 1950 sq ft  
 K Factor: 5.6  
 Hose Allowance: 100 ft  
 Water Supply: 135 GPM  
 Residual: 81 PSI  
 Water Flowing: 135 GPM  
 Size of Supply: 2" CPVC

**HYDRANT DESIGN CRITERIA**

1. Type of Hazard: LIGHT  
 2. Deflector Distance: 1.5' to 1.5'  
 3. Pipe Type Used: CPVC  
 4. Sprinkler Area: 1950 sq ft  
 5. Type of Construction: NON-CONCRETE  
 6. Maximum Sprinkler Allowable: 225 S.F.  
 7. PIPE SIZING METHOD: PIPE SCHEDULE  
 8. ALL HANGERS AND LOCATIONS TO BE IN ACCORDANCE WITH N.F.P.A. PAMPHLET USE SPRINKLER HEADS TO BE INSTALLED IN ACCORDANCE WITH N.F.P.A. PAMPHLET  
 9. HYDRAULICALLY CALCULATED  
 NO. 13

**SPRINKLER HEAD LEGEND**

SYMBOL	MAKE	MODEL	FINISH	TEMP	N.P.T.	ORIFICE	K-FACTOR	TOTAL
○	RES	RES	RES	RES	RES	RES	RES	RES
○	RES	RES	RES	RES	RES	RES	RES	RES

**CONTRACT RESPONSIBILITIES**

ITEM	RESPONSIBILITY
STREET CORN	OWNER
ENCUMBRANCE	OWNER
PLUMBING	OWNER
MECHANICAL	OWNER
ELECTRICAL	OWNER
PAINTING	OWNER
CONCRETE	OWNER
FOUNDATION	OWNER
ROOFING	OWNER
MECHANICAL	OWNER
ELECTRICAL	OWNER
PLUMBING	OWNER
PAINTING	OWNER
CONCRETE	OWNER
FOUNDATION	OWNER
ROOFING	OWNER

**ABBREVIATIONS**

B: BOLLARD  
 B: BLOCK OF SOIL  
 C: CURB  
 D: DRIVE  
 E: EXISTING  
 F: FINISH  
 G: GROUND  
 H: HANGAR  
 I: INTERSECTION  
 L: LIGHT  
 M: MAIN  
 N: NORTH  
 O: OPEN  
 P: PAVEMENT  
 R: ROAD  
 S: SIDEWALK  
 T: TOP OF FINISH  
 U: UNDER  
 V: VALVE  
 W: WALL  
 X: EXISTING  
 Y: YIELD  
 Z: ZONE

**CIRCLE HANGER TYPE TO BE USED**

**PERMIT # 093**

**LICENSE # 278**

**SPRINKLER SYSTEMS**

1012 5 10 25

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

DRAWN BY: SEG

CHECKED BY: SEG

DATE: 9-19-12

TOTAL SPRINKLER ON JOB: 108

SHEET # 1 OF 1

JOB # 12066

OWNER: JOE'S ADDITION  
 510-512 WARREN AVENUE  
 PORTLAND, MAINE 04103

CONTRACT WITH OWNER

SYSTEM TYPE: WET

DELUGE:

PREACTION:

ME LIFE: