

NOTES

- OCCUPANT: SINGLE FAMILY DWELLING - RESIDENTIAL
- DESIGN BASIS: HYDRAULIC CALCULATED PER NFPA 1332 W/SPRINKLER SYSTEM.
- USE NFPA 1332 (SEE HYDRAULIC DATA SHEET)
- ALL PIPES TO BE PLASTIC BURIED UNDER WITH ONE PLASTIC FITTING.
- ALL PIPES AND LARGER DIMENSIONS ARE CENTRAL TO CENTERLINE.
- BTLL DEVICES TOP OF WOOD JOIST TO CENTERLINE OF PIPE.
- BTLL DEVICES BOTTOM OF WOOD JOIST TO CENTERLINE OF PIPE.
- FEEL DEVICES FINISHED FLOOR TO CENTERLINE OF PIPE.
- WALLS TO FINISH SUFFICIENT HEAT (MIN 40°F) IN ALL AREAS OF THE BUILDING.
- AT ALL TIMES TO PREVENT SPRINKLER PIPING FROM FREEZING.
- OWNER: ANJULI KANE
133 BAY STREET
PORTLAND, MAINE 04102
46 BOSTON PARKWAY 221-5744
10 ALCA STREET, GREEN DESIGN STUDIO - WARMOUTH, MAINE

WATER SUPPLY

WATER TEST BY PORTLAND WATER DISTRICT
WATER WAS FOUND FROM HYDRANT 1122 ON OCEAN AVENUE, 100'S
COMPLIANT OF BOSTON STREET FROM A 12" CIRCULATING CITY MAIN. TEST
HYDRANT 1124 LOCATED ON OCEAN AVENUE AT ROAD STREET, 390.0'
FROM BAY STREET

STATIC: 92 PSI
RESIDUAL: 89 PSI WITH 1433 GPM FLOW
@ 500

LEGEND

○ HYDRAULIC REFERENCE POINT

DESIGN AREA 1

HYDRAULIC DATA SUMMARY

The Building is protected by a wet pipe sprinkler system.

Location: 225 E. Exchange Ave.
No. of Sprinkler: 2

Design Basis:

1. Density: .05 GPM/ft²
2. Design Area: 1000 sq ft
3. System Demand: 4.5 GPM

Water Flow Rate: 4.5 GPM
Residual: 89 PSI
Water Supply: 92 PSI

(NOT MIST REMOTE)

DESIGN AREA 2

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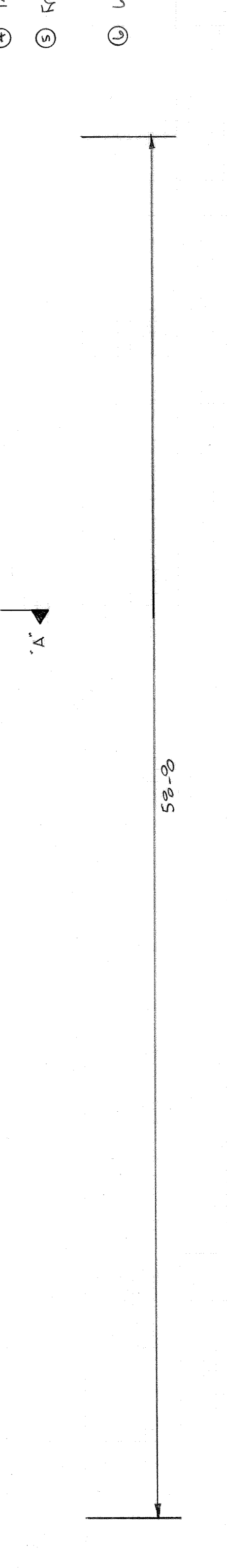
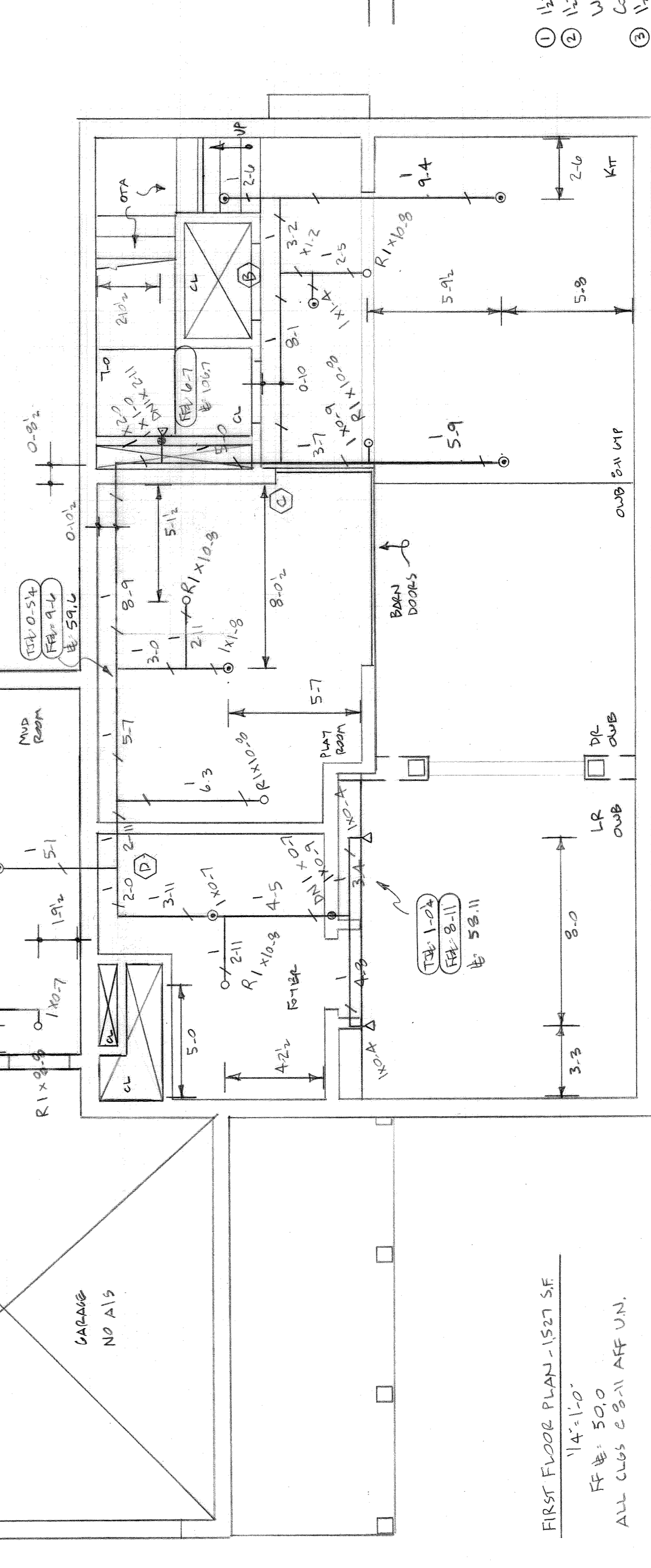
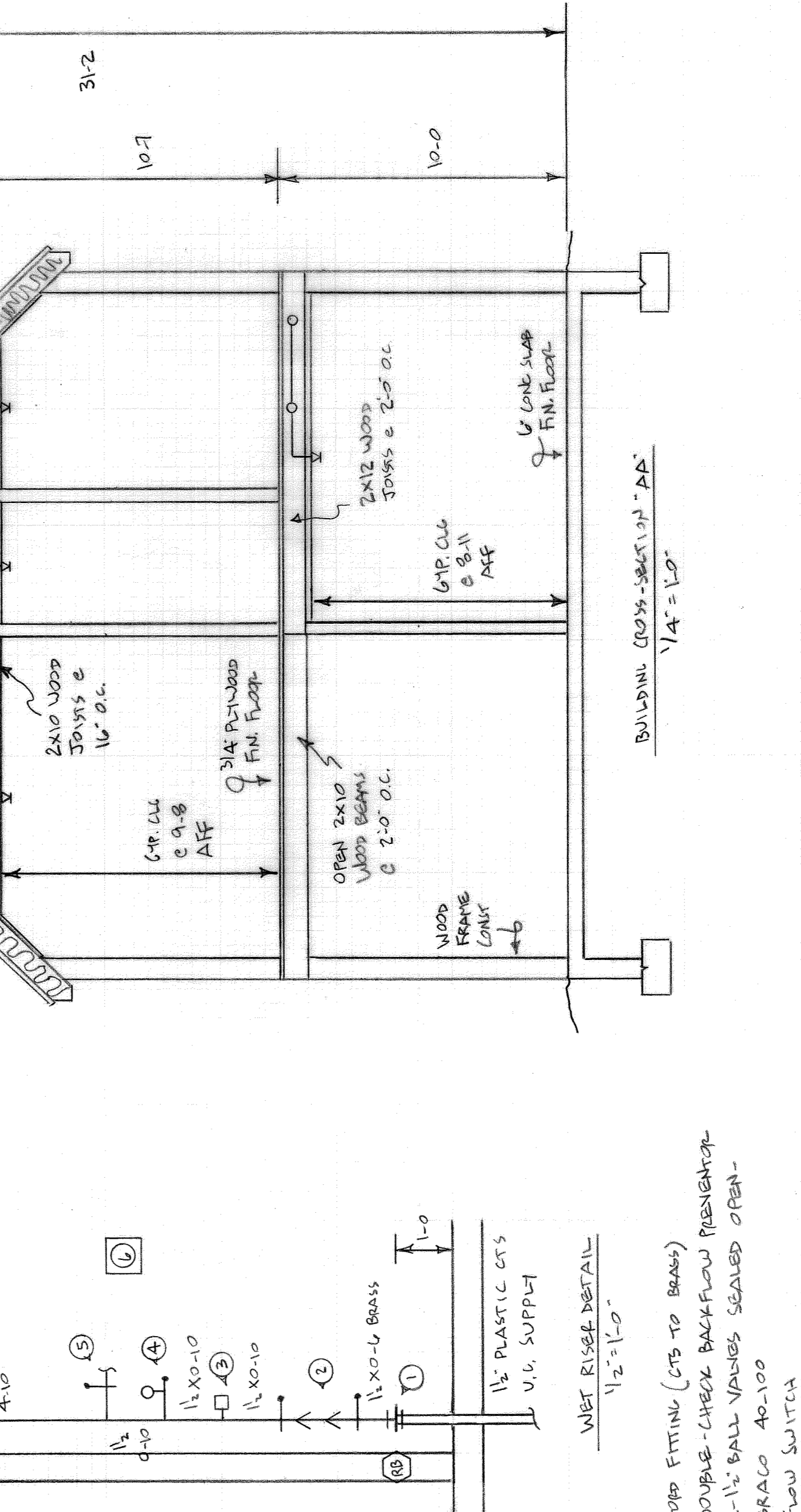
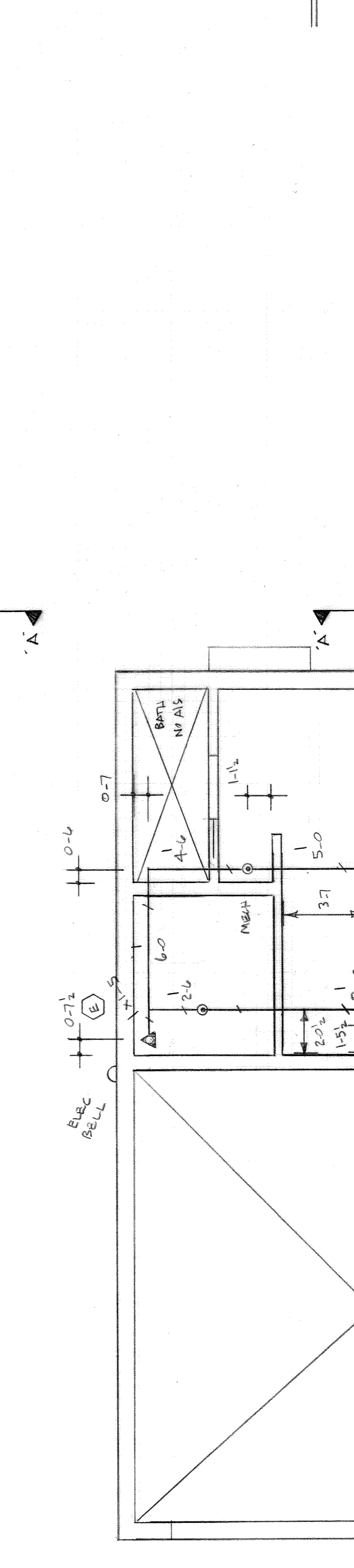
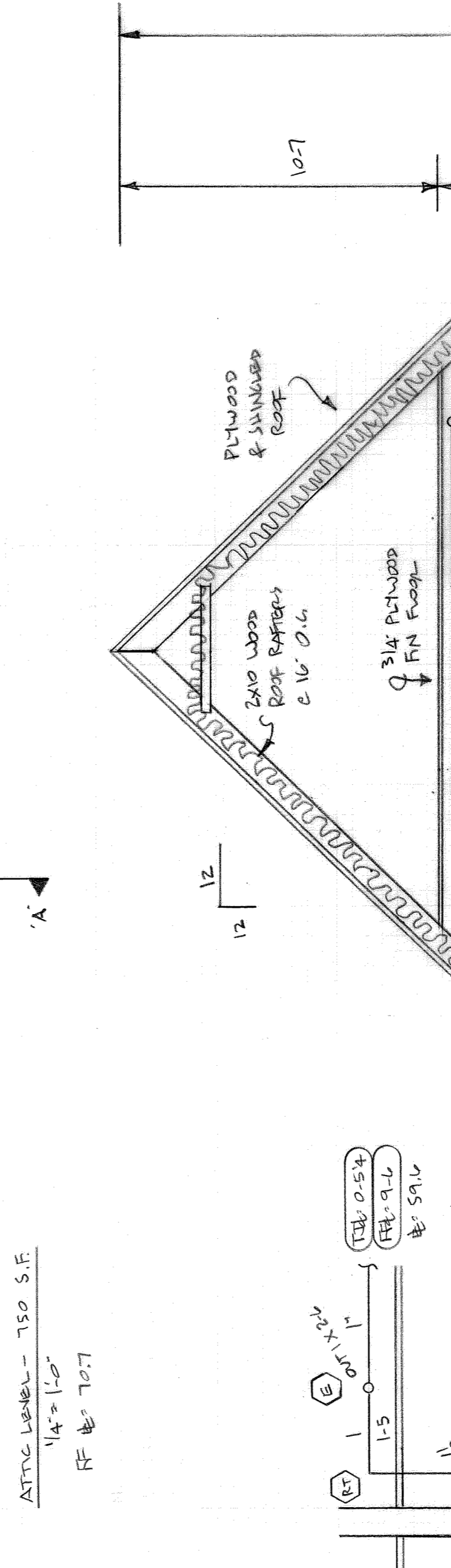
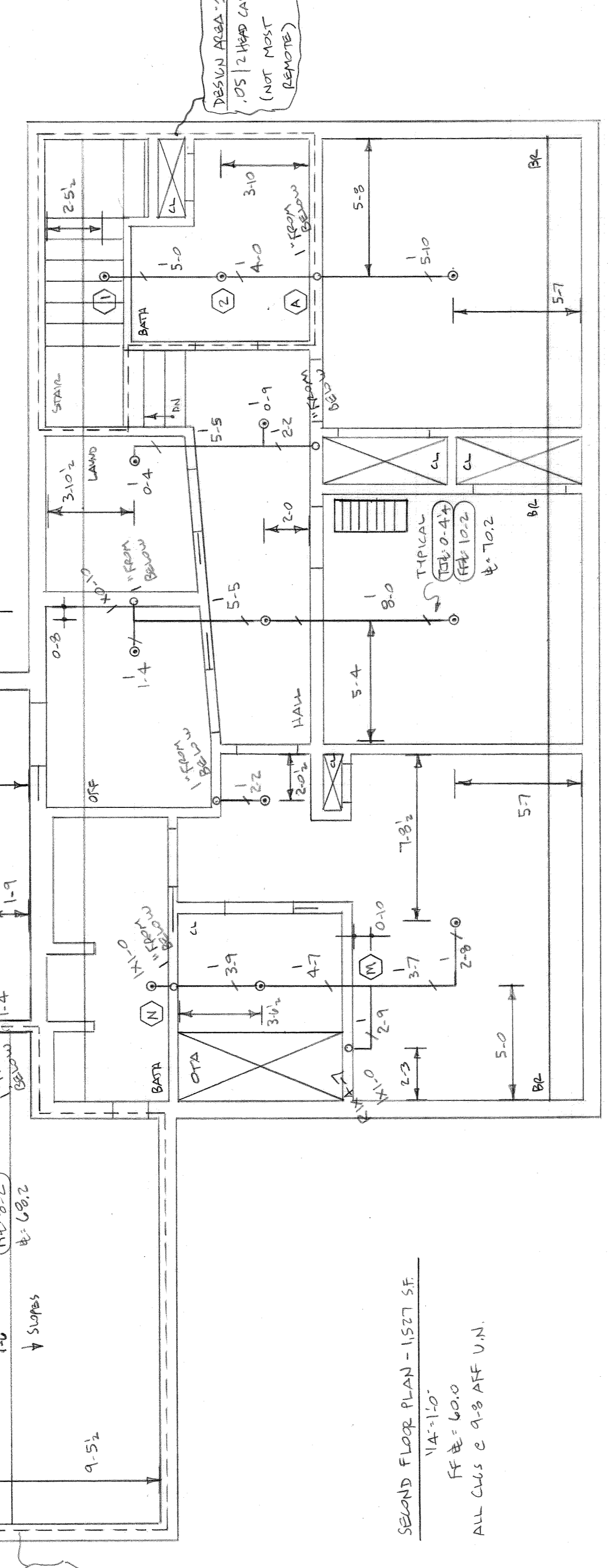
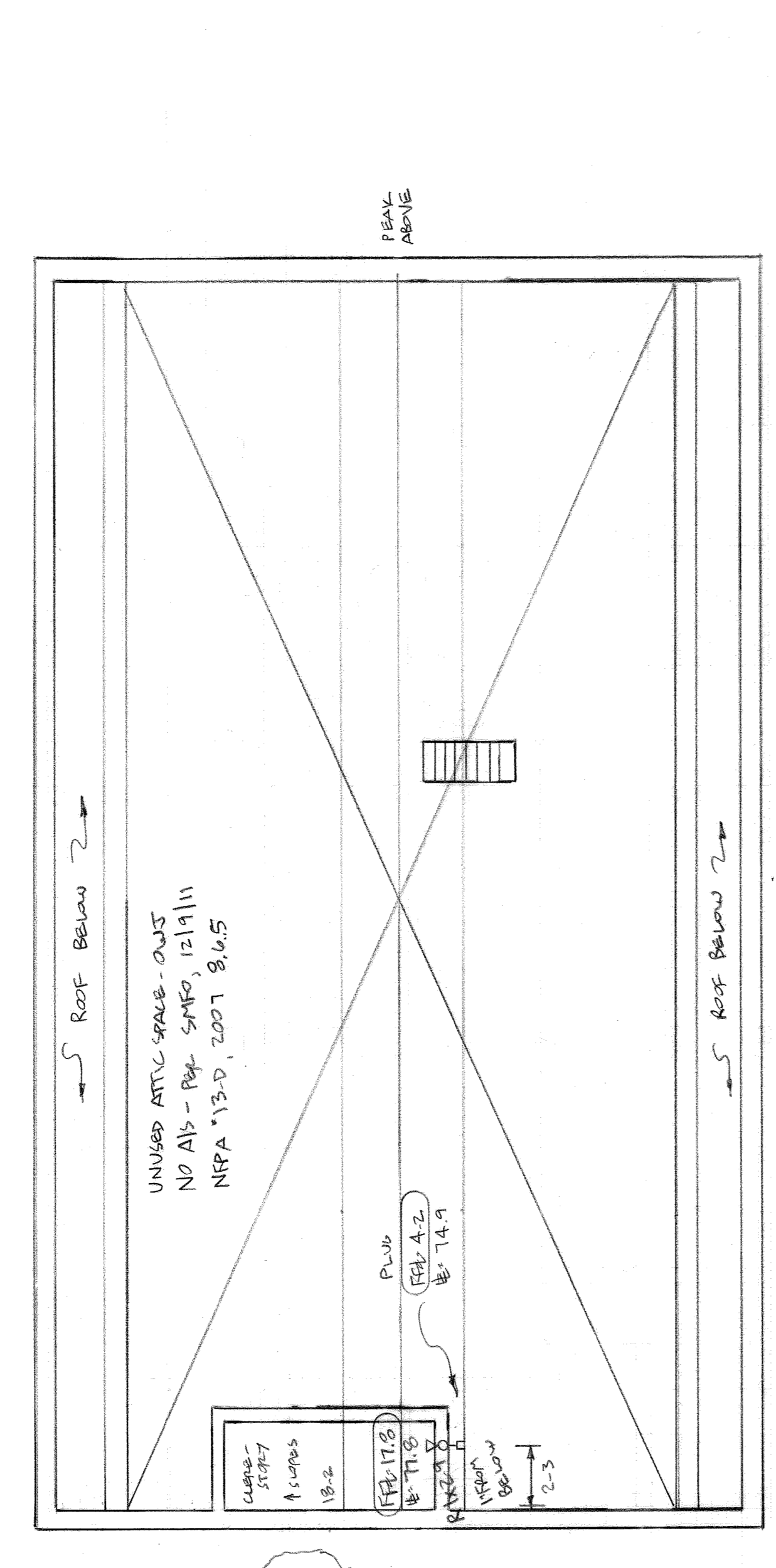
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HYDRAULIC DESIGN CRITERIA		HANGERS		CIRCLE HANGER TYPE TO BE USED		SPRINKLER HEAD LEGEND		SUBMITTALS	
Density: 0.05 GPM/ft ²	Remote Area: 1000 sq ft	Symbol: 1	Description: 1/2" NPT	Symbol: 1	Description: 1/2" NPT	Symbol: 1	Description: 1/2" NPT	SENT TO: ISD	DATE SENT: 12/9/11
K Factor: 4.7	Hose Allowance: 125'	Symbol: 2	Description: 3/4" NPT	Symbol: 2	Description: 3/4" NPT	Symbol: 2	Description: 3/4" NPT	DATE RECEIVED: 12/9/11	PERMIT # 0593
Water Supply: 92 PSI	Static: 92 PSI	Symbol: 3	Description: 1" NPT	Symbol: 3	Description: 1" NPT	Symbol: 3	Description: 1" NPT	DATE RECEIVED: 12/9/11	CONTRACT WITH REDEFIN PROP
Residual: 89 PSI	Water Flowing: 1433 GPM	Symbol: 4	Description: 1 1/2" NPT	Symbol: 4	Description: 1 1/2" NPT	Symbol: 4	Description: 1 1/2" NPT	DATE RECEIVED: 12/9/11	CHECKED BY: SEG
Size of Supply: 12" CUBES		Symbol: 5	Description: 2" NPT	Symbol: 5	Description: 2" NPT	Symbol: 5	Description: 2" NPT	DATE RECEIVED: 12/9/11	DATE: 12-9-11
		Symbol: 6	Description: 2 1/2" NPT	Symbol: 6	Description: 2 1/2" NPT	Symbol: 6	Description: 2 1/2" NPT	DATE RECEIVED: 12/9/11	REVISIONS
		Symbol: 7	Description: 3" NPT	Symbol: 7	Description: 3" NPT	Symbol: 7	Description: 3" NPT	DATE RECEIVED: 12/9/11	NO. DATE DESCRIPTION
		Symbol: 8	Description: 4" NPT	Symbol: 8	Description: 4" NPT	Symbol: 8	Description: 4" NPT	DATE RECEIVED: 12/9/11	DELUGE
		Symbol: 9	Description: 5" NPT	Symbol: 9	Description: 5" NPT	Symbol: 9	Description: 5" NPT	DATE RECEIVED: 12/9/11	PRECATION
		Symbol: 10	Description: 6" NPT	Symbol: 10	Description: 6" NPT	Symbol: 10	Description: 6" NPT	DATE RECEIVED: 12/9/11	ME LIFE
		Symbol: 11	Description: 8" NPT	Symbol: 11	Description: 8" NPT	Symbol: 11	Description: 8" NPT	DATE RECEIVED: 12/9/11	TOTAL SPRKRS ON JOB
		Symbol: 12	Description: 10" NPT	Symbol: 12	Description: 10" NPT	Symbol: 12	Description: 10" NPT	DATE RECEIVED: 12/9/11	28
		Symbol: 13	Description: 12" NPT	Symbol: 13	Description: 12" NPT	Symbol: 13	Description: 12" NPT	DATE RECEIVED: 12/9/11	SHEET # 1 OF 1
		Symbol: 14	Description: 14" NPT	Symbol: 14	Description: 14" NPT	Symbol: 14	Description: 14" NPT	DATE RECEIVED: 12/9/11	JOB # 11083

KING RESIDENCE
23 BAY STREET
PORTLAND, MAINE 04103

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

DRAWN BY: SEG
CHECKED BY: SEG
DATE: 12-9-11
TOTAL SPRKRS ON JOB: 28
SHEET # 1 OF 1
JOB # 11083

CONTRACT WITH REDEFIN PROP

REVISIONS

NO. DATE DESCRIPTION

DELUGE

PRECATION

ME LIFE

TOTAL SPRKRS ON JOB: 28

SHEET # 1 OF 1

JOB # 11083

PERMIT # 0593
R.M.S. # 278

SPRINKLER SYSTEMS
P.O. BOX 306
LEWISTON, MAINE 04240