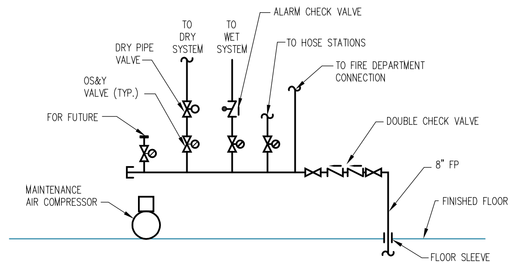


BASIC SPRINKLER RISER DIAGRAM

NOTES:
1. NUMBER OF RISERS AS REQUIRED BY SPRINKLER DESIGN.

FIRE SUPPRESSION SYSTEM SCHEDULE			
LOCATION	AREA 1	AREA 2 & 3	
NFPA CODES	13	13	
HAZARD	ORDINARY HAZ. 2	ORDINARY 1	
COMMODITY CLASSIFICATION	1	N/A	
ENCAPSULATED	NO	NO	
STORAGE HEIGHT	40'	N/A	
STORAGE METHOD	RACK	NONE	
TYPE OF RACK STORAGE	MULTIPLE	N/A	
CLEARANCE FROM TOP OF STORAGE TO CEILING	VARIES	N/A	
SYSTEM TYPE	DRY	DRY	1
INSIDE HOSE ALLOWANCE (GPM)	100	100	
OUTSIDE HOSE ALLOWANCE (GPM)	400	400	
AREA OF SPRINKLER OPERATION (SQ FT)	2600	2600	
DENSITY (GPM/SQ FT)	.25	.15	
MAXIMUM AREA PER SPRINKLER (SQ FT)	100	130	
SPRINKLER TEMP. RATING °F	286	165	
WATER SUPPLY DURATION (MINS.)	90	90	

CALCULATION SUMMARY
GPM REQUIRED: TO BE CALCULATED BY SPRINKLER CONTRACTOR

PSI REQUIRED AT BASE OF RISER:

PSI REQUIRED AT CONNECTION TO MAIN:

C FACTOR USED FOR ABOVEGROUND PIPE: 100

C FACTOR USED FOR UNDERGROUND PIPE: 120

WATER FLOW TEST DATA

STATIC PRESSURE: 90 PSIG

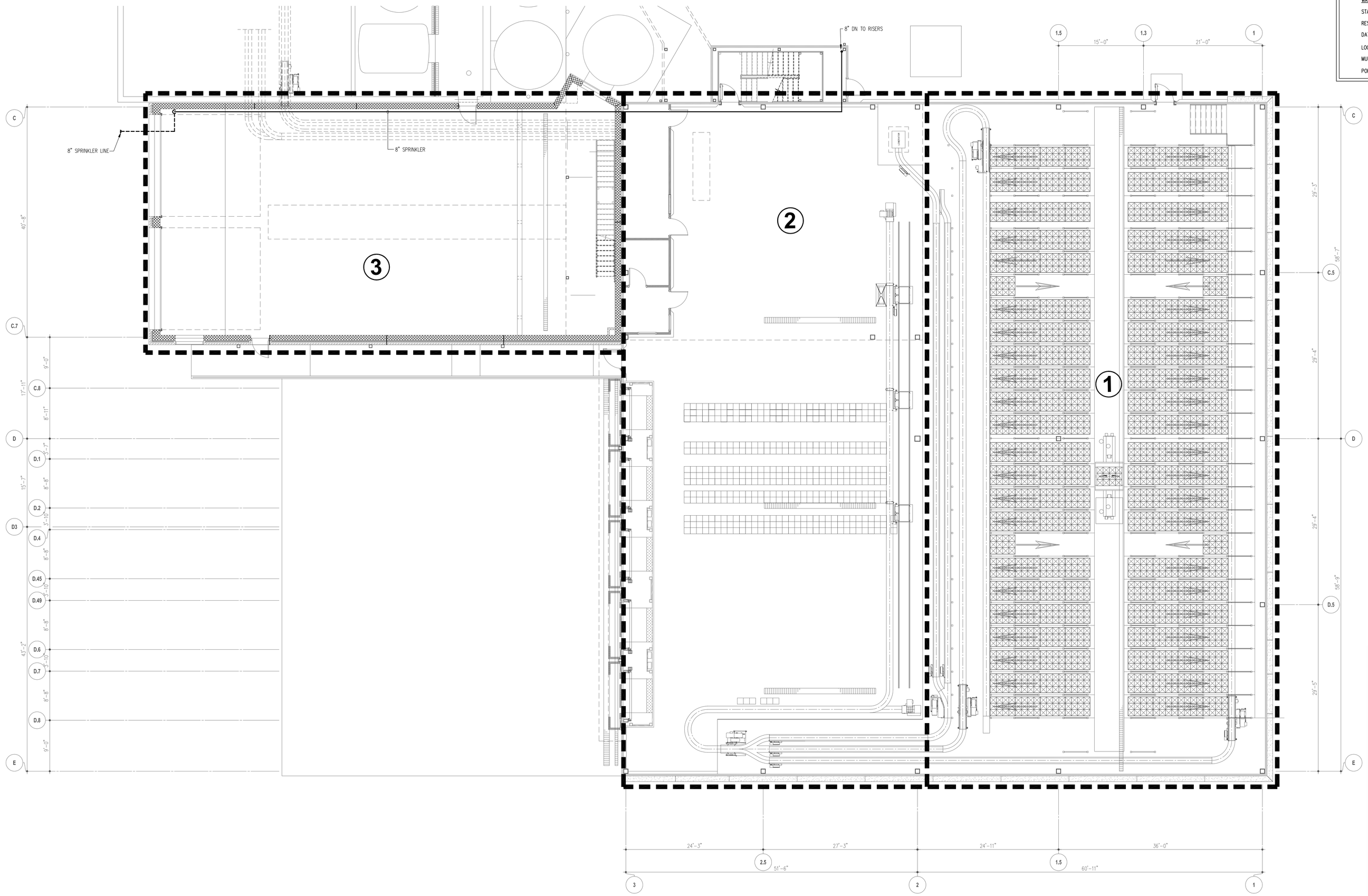
RESIDUAL PRESSURE: 84 PSIG W/ 1138 GPM FLOWING (ADJUSTED)

DATE: 5/2001

LOCATION: FALMOUTH STREET HYDRANT #1110

MUNICIPALITY: PORTLAND WATER DISTRICT

POINT OF CONTACT: DAVE COFFIN



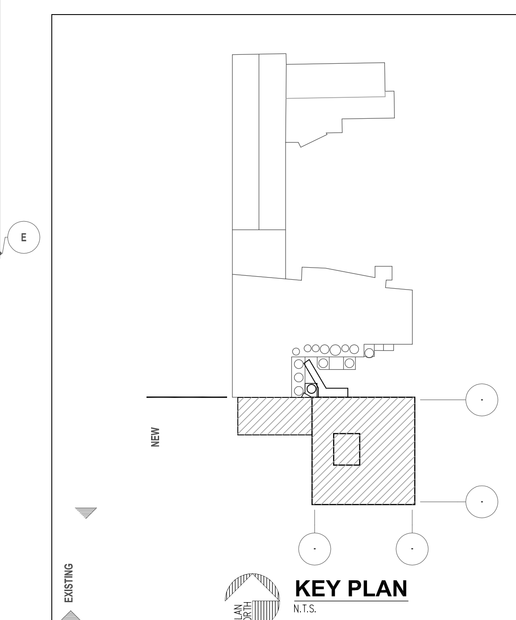
SCALE: 1/8" = 1'-0"

PLAN NORTH

PLAN NOTES:
1. RACK STORAGE SYSTEM SHALL BE A DOUBLE INTERLOCKED TYPE SYSTEM.
2. ALL MAIN PIPING EXPOSED IN COOLER BETWEEN RECEIVING AND THE RISER SHALL BE HEAT TRACED AND INSULATED.

SYMBOLS LEGEND

- BALL VALVE
- SUPERVISED VALVE
- OS&Y VALVE
- CHECK VALVE
- ALARM CHECK VALVE
- DRY PIPE VALVE
- DOUBLE INTERLOCK PREACTION SYSTEM VALVE ASSEMBLY
- FIRE DEPARTMENT CONNECTION
- WATER METER



PLAN NORTH

KEY PLAN
N.T.S.

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1	9-19-03	REVISED SCHEDULE
0	8-29-03	ISSUED FOR BIDDING

REVISIONS

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Do not scale drawing. Contractor shall verify all dimensions and conditions prior to construction. Any discrepancies shall be reported to FACILITIES DESIGN, INC. prior to construction for resolution.

PROJECT MANAGER: M.S.M.
DESIGNED BY: J.P.B.
DRAWN BY: J.P.B.
CHECKED BY: G.S.T.
SEAL:

PROJECT:

NEW MILK COOLER

Oakhurst DAIRY

364 FORREST AVENUE
PORTLAND, MAINE 04101

PROJECT NUMBER: 2003.1141.0

DATE: AUGUST 29, 2003

DRAWING TITLE:

OVERALL FIRE SUPPRESSION PLAN

DRAWING NUMBER: FP100

REVISION: 1

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