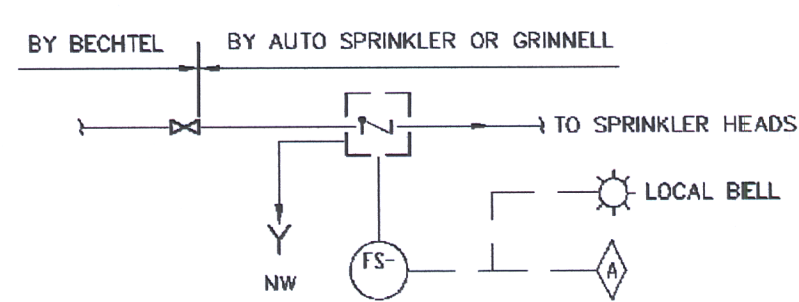


- NOTES:**
- DELUGE SYSTEMS TO MAIN TURBINE LUBE OIL RESERVOIR, DIESEL GENERATOR DAY TANK ROOMS, RECIRCULATING PUMP MOTOR GENERATOR SET, LUBE OIL PUMPS AND RESERVOIR HAVE DUPLEX STRAINERS PROVIDED BY VENDOR.
  - THIS NOTE IS TO EXPLAIN THE BECO QUALITY ASSURANCE LIMITS FOR FIRE PROTECTION. THE FOLLOWING SYMBOL IDENTIFIES THE QA BOUNDARY FOR FIRE PROTECTION.
- NON FP-Q      FP-Q
- FP-Q IS THE SYMBOL FOR THE PILGRIM Q LIST DESIGNATION FOR FIRE PROTECTION QUALITY ASSURANCE REQUIREMENT. PILGRIM Q LIST SECTION IV, HAS DECLARED VARIOUS FIRE PROTECTION SYSTEMS AS Q-NON SAFETY RELATED I.E. Q-NSR SEE BECO SPECIFICATION M-504 AND PILGRIM Q LIST SECTION IV FOR MORE DETAILS. NON FP-Q IS THE SYMBOL USED TO DESIGNATE THOSE FIRE PROTECTION SYSTEM COMPONENTS THAT MUST MEET THE REQUIREMENTS OF THE MASS. BUILDING CODE, BECO INSURANCE COMPANY AND/OR THE U.S. OSHA FIRE PROTECTION REGULATIONS.
3. THIS HOSE STATION IS FP-Q. SEE NOTE 5 M218 SH 1.

**DETAIL 1**  
**DELUGE SYSTEM** M218 SH 1 (ZONE C-3)  
SEE NOTE 5

**TYPICAL SPRINKLER SYSTEM ALARM**



DELUGE SYSTEMS INSTRUMENTS	
LUBE OIL CONDITIONER	PS-4600, ZS-4600A AND ZS-4600B
SHUT DOWN TRANSFORMER	PS-4601, ZS-4601A AND ZS-4601B
MAIN TRANSFORMER	ZS-4602A AND ZS-4602B
AUXILIARY TRANSFORMER	PS-4603, ZS-4603A AND ZS-4603B
MOTOR GENERATOR SET	PS-4604, ZS-4604A AND ZS-4604B
START UP TRANSFORMER	PS-4606, ZS-4606A AND ZS-4606B
GENERATOR HYDROGEN CABINET AREA	PS-4607, PS-4607A, ZS-4607A AND ZS-4607B

SWITCH NO.	PANEL NO.	AREA
FS-4615	C7	TURBINE BASEMENT OIL LINES
FS-4616	C7	LUBE OIL STORAGE ROOM
FS-4617		WAREHOUSE ROOMS
FS-4618		BOILER ROOM
FS-4619		MACHINE SHOP
FS-4620	C7	DIESEL FIRE PUMP AND DAY TANK
FS-4621		RADWASTE HYDRAULIC PRESS
FS-4627		MOTOR GENERATOR SET ROOM (WET PIPE)
FS-4631		ACCESS CONTROL
FS-4639		RADWASTE TRUCK LOCK

SCALE NONE		DESIGNED M. J. DIMEO	DRAWN BECO	E
BOSTON EDISON		PILGRIM STATION BOSTON EDISON COMPANY		
P & ID FIRE PROTECTION SYSTEM DELUGE SYSTEM				
SEE NOTE 2		DRAWING NO.		REV.
Non Q		M218 SH 5E4		
FILE NO = Q:\ECHO\M218SH5				

REVISIONS	DATE	BY	DESCRIPTION
E4	11/10/00	AEJ/KWB	REVISED PER DCN 03-15384
E3	11/10/00	AEJ/KWB	REVISED PER DCN 00-09415
E2	11/10/00	AEJ/KWB	REVISED FOR PDC 97-09 PER DCN 02291
E1	11/10/00	AEJ/KWB	B. REVISED PER DCN 98-99307
A. ELECTRONIC CONVERSION PER DCN 97-00160			

TITLE OF REFERENCE DRAWINGS	DR. NUMBER	NO. DATE

**SYSTEM INTENDED FUNCTION BOUNDARY**

**COMPONENTS SUBJECT TO AMR**

**FIRE PROTECTION - WATER SYSTEM AMR-17**

0	2-4-05	DESCRIPTION	BY	CHK	APP	REV.
REVISIONS						
LRA-M-218-SH-05-0						
LRA-M-218-SH-05-E04.DGN						
M218SH5-CALS-E04.CAL						