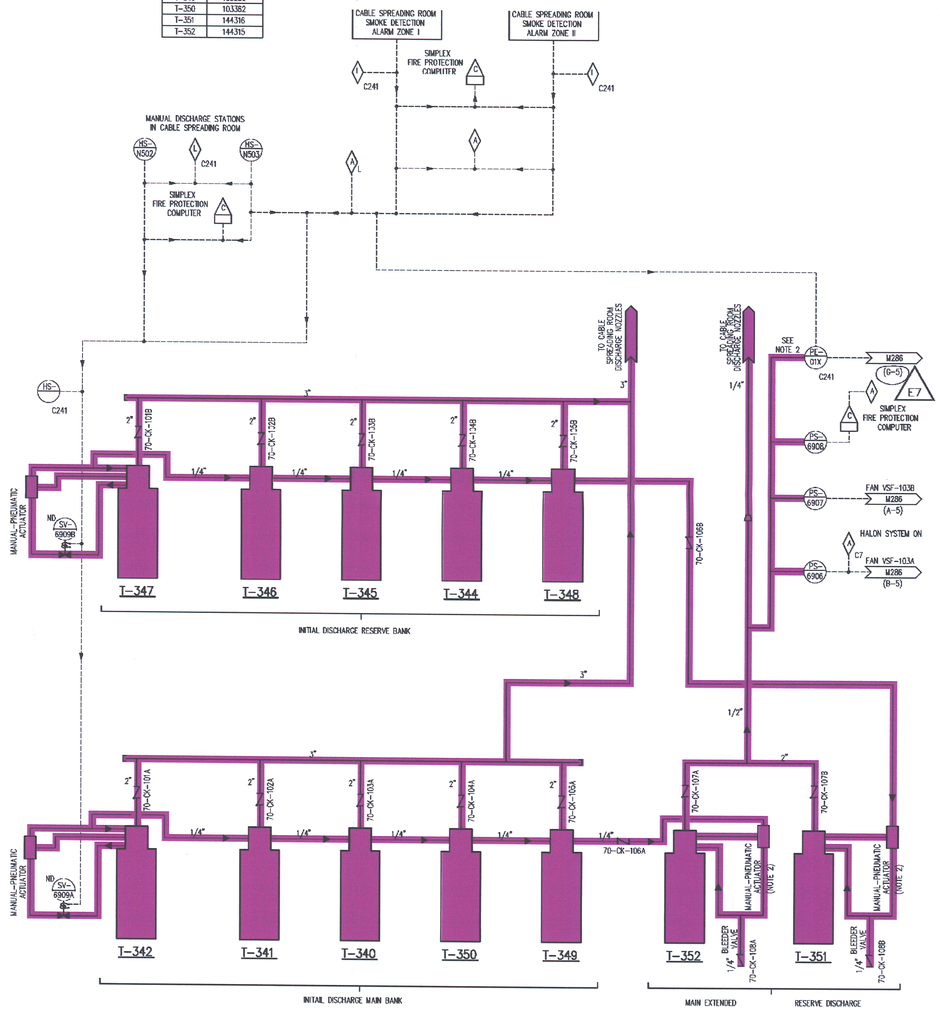
TANK NUMBER	SERIAL NUMBER
T-340	103317
T-341	103374
T-342	103348
T-344	103316
T-345	103343
T-346	103383
T-347	103315
T-348	103373
T-349	103330
T-350	103382
T-351	144316
T-352	144315



HALON-1301 FIRE PROTECTION SYSTEM FOR CABLE SPREADING ROOM
(BY ASCOA/CHEMTRON)

NOTES:

1. SEE DRAWING M218 SHEET 1 FOR NOTES AND LEGEND.
2. THE MANUAL-PNEUMATIC ACTUATORS ON TANKS T-351 AND T-352 CANNOT BE USED TO ACTUATE THE HALON-1301 FIRE PROTECTION SYSTEM.
3. ELECTRO-PNEUMATIC RELAY PE-01X OPERATES THROUGH EITHER AN ELECTRICAL OR PNEUMATIC SIGNAL. IT IS PROVIDED BY THE VENDOR (CHEMTRON CORP) AS PART OF THE C241 PANEL.
4. FOR THE CABLE SPREADING ROOM FIRE PROTECTION SYSTEM, FIRE PROTECTION TECHNICAL SPECIFICATION 3.12D IDENTIFIES THE MINIMUM QUANTITY AND PRESSURE OF HALON REQUIRED (CORRECTED TO 70 DEGREES F) FOR EACH CYLINDER. BECO DRAWINGS M45BD56 THROUGH M45BD517 IDENTIFY THE RELATIONSHIP BETWEEN HALON LIQUID LEVEL AND TEMPERATURE FOR EACH CYLINDER. PILGRIM PROCEDURE 8.8.22, SECTION C, ILLUSTRATES THE PROCEDURE TO OBTAIN THE REQUIRED DATA FOR THESE DRAWINGS. IF ANY CYLINDER IS REFILLED, THE RESPECTIVE DRAWING SHALL BE REVISED ACCORDINGLY. BECO DRAWING M45BDS-18 IDENTIFIES THE CYLINDER PRESSURE TO TEMPERATURE RELATIONSHIP FOR ASSURING COMPLIANCE WITH FIRE-PROTECTION TECHNICAL PROCEDURE 3.12D.
5. NOTE DELETED
6. 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 IE 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 MEET THE REQUIREMENTS OF THE MASSACHUSETTS BUILDING CODE, BECO INSURANCE COMPANY AND/OR THE U.S. OSHA FIRE PROTECTION REGULATIONS.

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
E7	9/03	REVISED PER DCN 03-15383	TEB	–	AEJ	TWB
E6	11/00	REVISED PER DCN 00-09414	AJB	–	AEJ	DLJ
E5	6/96	ELECTRONIC CONVERSION PER DCN97-00159	TEB	–	AJB	DLJ
E4	4/95	REVISED PER DCN 94-90255	TEB	PDH	AEJ	JPG
E3	7/11/94	B. REVISED PER PR 92-0219 A. REVISED PER DCN 93-88565	JLP JLP	MJD LCC	AEJ AEJ	JPG JPG
E2	7/14/93	PER PHOENIX PROJECT CHANGE RECORD APPENDIX (B-70)	CTS AEJ	M/A	DAD PDH	SD JPG
NO.	DATE	REVISIONS	BY	ENG	CHK	APP

FUNCTIONAL DESIGN FIRE PROTECTION SYSTEM	SM417 SH 12
PIPING FOR CABLE SPREADING ROOM HALON FIRE PROTECTION SYSTEM	M45B-1 SH 1 & 2
CONTROL ROOM AND CABLE SPREADING ROOM HVAC TEMPERATURE CONTROL DIAGRAM	M286
TITLE OF REFERENCE DRAWINGS	DWG NUMBER

SCALE NONE | DESIGNED W J DIMEO | DRAWN C T SURETTE | E

BOSTON EDISON

PILGRIM STATION NO. 020
BOSTON EDISON COMPANY

TITLE
P & ID
FIRE PROTECTION
HALON SUBSYSTEMS

Q SEE NOTE 6: Non Q

DRAWING NO. M218 SH 4 | REV E7

41100-4741

FSAR FIGURE 10.8-1 (REV 16)

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

HALON SYSTEM AMRM-18

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	3-19-05	.	.	.	.	.

REVISIONS
LRA-M-218-SH-04-0

CAD FILE
LRA-M-218-SH-04_E07.DGN

CALCS FILE
M218SH4-CALS_E07.CAL

20-15