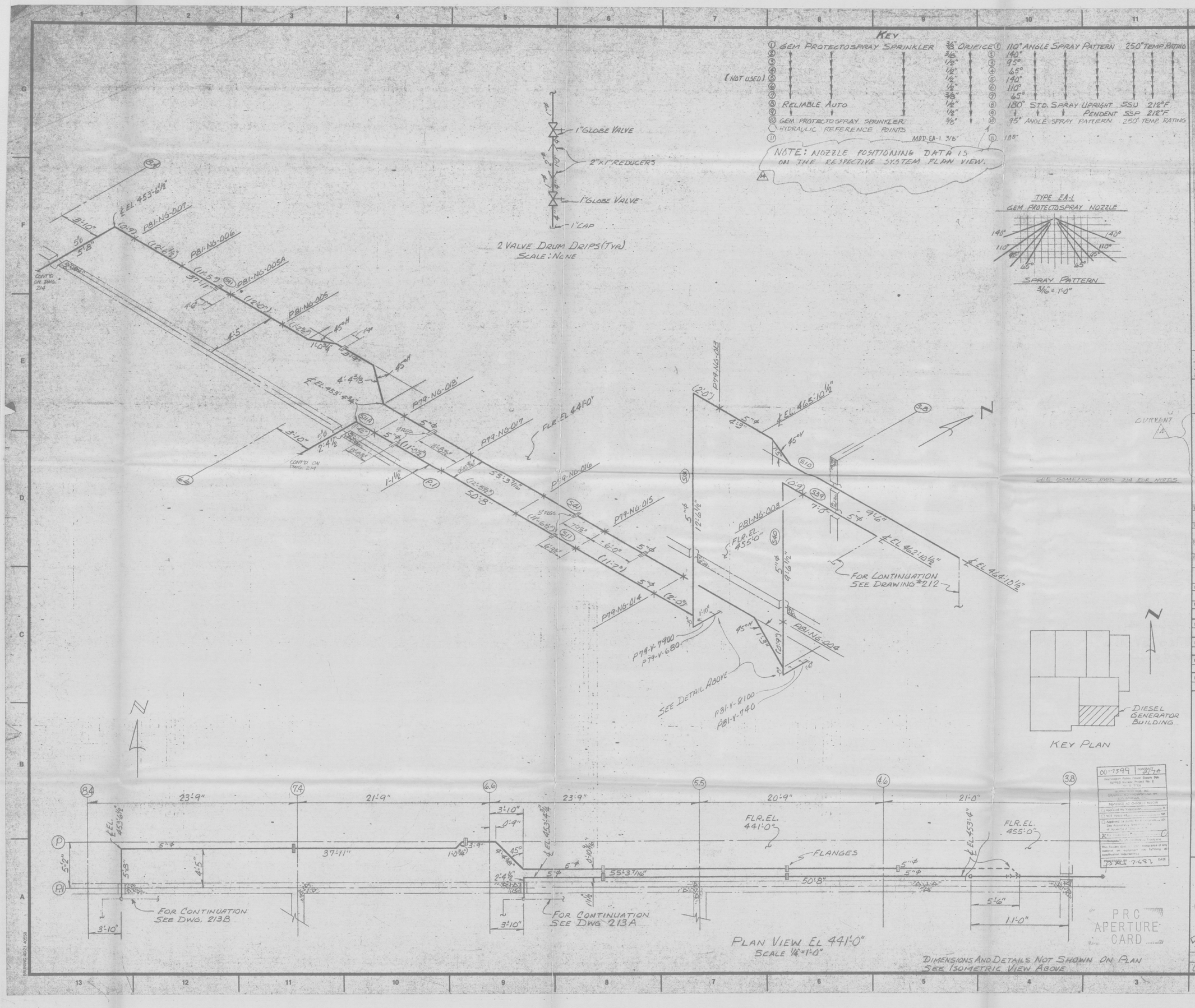

MATERIAL LIST

ALL HANGER COMPONENTS SHALL BE INSTALLED UTILIZING STEEL THAT HAS BEEN PLATED/GALVANIZED.

PRE-ACTION SPRINKLER SYSTEM

PIPE: Black; Calculations [C=100]
1" thru 4", Schedule 40; ASTM-A-120
5" thru 10", Schedule 40, ASTM-A-53

FITTINGS:
Screwed; Standard 125# Cast Iron ANSI-B16.4, 1977
Flanges; Flat, Standard 125# Cast Iron, ANSI-B16.1, 1967

VALVES: FLAT FLANGE TYPE
OS&Y Valve; Kennedy #68
Deluge Valve; Reliable Model "B1"
Check Valve; Kennedy #120A

SCREWED VALVES:
Globe; United Brass 455
Angle; United Brass 465

NOZZLES:
Gem Protectospary Sprinkler 3/8" & 1/2" orifice, Type [A-]

WATER MOTOR ALARM:
Reliable Model "C"

PRESSURE SWITCH:
Reliable Model "J"
DPDT, 24 Volt, DC

TAMPER SWITCH:
Potter Electric OSYS-B
SPDT, 24 Volt, DC

FLANGE BOLTS:
ASTM-A-307 Grade "A"

GASKETS:
1/8" Red Rubber Ring

AIR MAINTAINANCE DEVICE:
Reliable Model "C"
1/2" SUPERTROL RELEASE VALVE

NOTE
ALL VALVE NUMBERS ARE LISTED ON SENTRY DWGS 212 & 214

HYDRAULIC DESIGN DATA
DENSITY: 0.30 GPM/SQ.FT. SYS. 79, 81, 83
0.50 GPM/SQ.FT. SYS. 80, 82, 84
AREA: ENTIRE SYSTEM

SYSTEM DEMAND @ CONTR. INTERFACE

SYSTEM	GPM	PSI
79	1132.2	93.1
81	1110.7	95.7
83	1095.7	91.1
80	87.0	28.4
82	87.0	27.8
84	87.0	29.8

CURRENT

SEE ISOMETRIC DWG. 214 FOR NOTES

REV.	
1	REVISED SUPPORT LOCATIONS RFF 10-5-81
2	AS-BUILT (SYS. 80, 82, 84) LR 3-26-82
3	AS-BUILT (SYS. 79, 81, 83) LR 6-15-82
4	TA NOZZLE DATA SWF-16834 WBL 5-18-83
5	DAY TANK ADDED TWO SPKR SYS 80, 82 & 84 11-27-78 CF
6	PIPE TO BE BLACK "C" FACTOR = 100 2-10-79 CF
7	CORRECTIONS PER APPROVED AS NOTED 4-6-79 (3-19-79)
8	PER B&R COMMENTS WMC 8-6-79
9	GENERAL REVISIONS & RECALC. INBL 12-6-79
10	E. LEG RYSNS 79 & 81 & 83 WBL 1-19-80
11	DELETED LINES & REVISED DIMENSIONS 5-1-80 REJ. RFF 2-26
12	REDRN: SEE SHTS 213, 213A, 213B, 213C 6-27-80 CWD
13	REV. PER B&R COMMENTS CWD 12-18-80
14	PER B&R COMMENTS CWD 6-24-81

APPROVAL

S A S C
Contr. No. 2808-217
Trans. No. 1029
Reviewed
Approved
Date 6-27-82
Ralph S. Stewart
ENGINEERING

QUALITY CLASS II PIPING
SEISMIC CLASS I

QUALITY CLASS I SUPPORTS
SEISMIC CLASS I

CVI NO	SHT	REV	SHT	DWG
214-00	3		14	

Specification No. 2808-217
Section No. 15A
Paragraph No. 3.2.2

TITLE

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
HANFORD No. 2 CONTRACT 2808-217
DIESEL GENERATOR BUILDING
PLAN & HGR. ISO. SYS. 79 & 81

SENTRY AUTOMATIC SPRINKLER CO. INC.
1106 S. 341st Ave. East
Tacoma (Fife), Washington 98424
(206) 922-6844

INFORMATION COPY

ENGINEER	DATE	DWG. NO.	JOB NO.
CWDOLENCE	5-27-80	213	74-00079

SYMBOL	DEVICE		QUANTITY
7	3/8"	110°	32 250
6	3/8"	140°	14 150
5	1/2"	95°	6 200
4	1/2"	65°	56 250
3	1/2"	140°	1 250
2	1/2"	110°	21 250
1	3/8"	65°	4 250
8	1/2"	SSU	9 212
9	1/2"	SSP	1 212
10	3/8"	95°	2 250
TOTAL			135

Approvals Required
DATE TO FABRICATE
DISTRIBUTION

8311090387 E

Docket # 50-397
Control # 8311090360
Date 8/11/82 of Document
REGULATORY DOCKET FILE