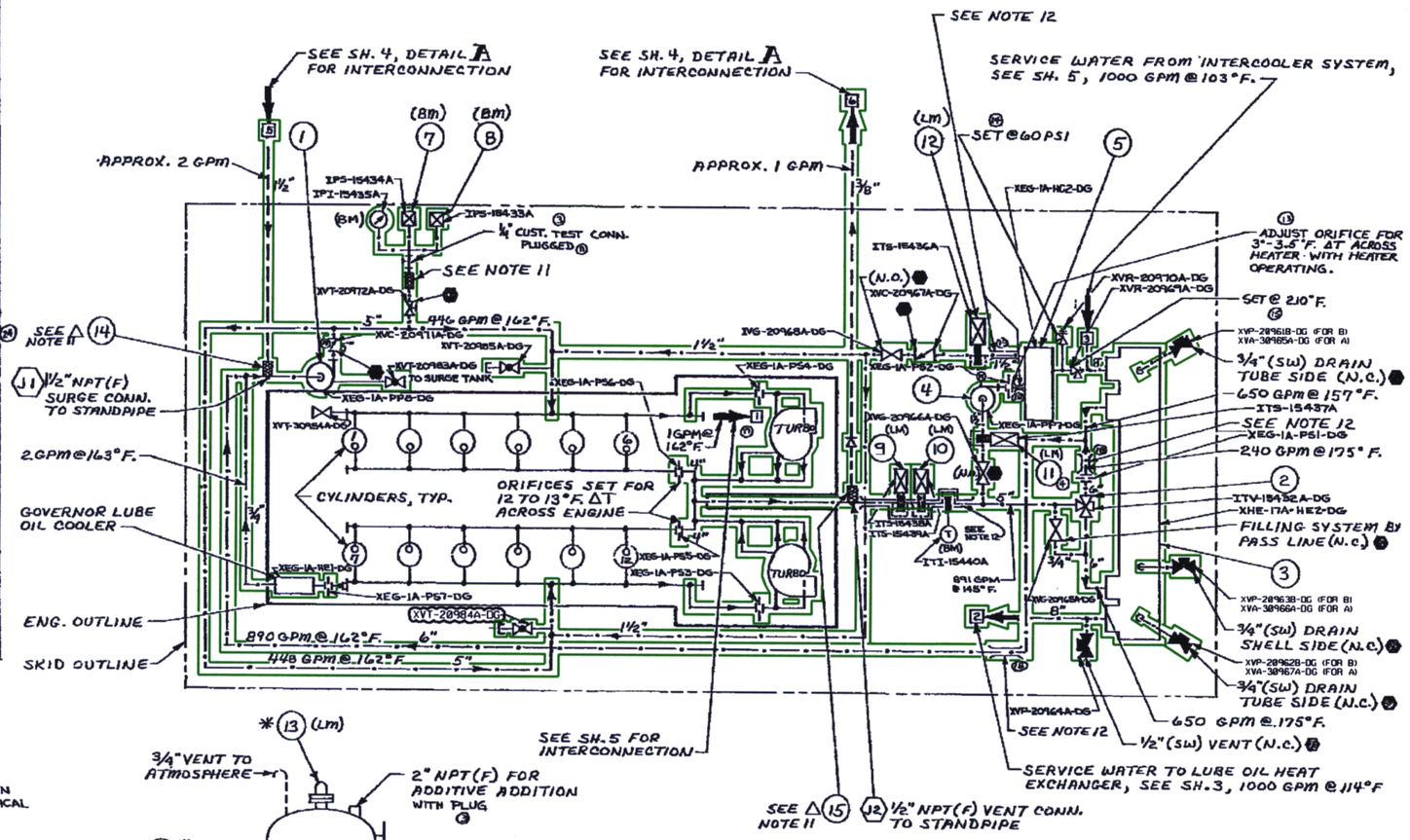
ITEM NUMBER	DESCRIPTION	F.M. PART NO. SHIPPED LOOSE ITEMS	MOUNTING LOCATION: ENGINE	SKID	CUSTOMER PIPING	ASME SECTION III CLASS 3 COMPONENT	F.M. ELECTRICAL CODE INTERFACE	SETTING OF DEVICE	REMARKS
1	PUMP, 894 GPM @ 128' TDH	—	X	–	–	NO	—	—	—
2	THERMOSTATIC VALVE, COOLING PORT START TO OPEN @ 169°F., FULL OPEN @ 178°F.	—	–	X	–	YES	—	—	—
3	HEAT EXCHANGER	—	–	X	–	YES	—	—	5,776,000 BTU/HR
4	PUMP, KEEP WARM, 50 GPM @ 40' TDH, MOTOR, 1½ HP, 3 PH, 60 Hz, 460 V, 3450 RPM	—	–	X	–	YES	CPM	—	—
5	HEATER, 32 KW, 3 PH, 60 Hz, 480 V. (20)	—	–	X	–	NO	CH	—	—
6	TANK, EXPANSION, 100 GAL., W/SIGHT GLASS	11908258 (21)	–	–	*	NO	—	—	—
7	COOLANT PRESSURE SWITCH	—	–	(BM)	–	NO	CPS	(5) BACK UP FOR ELECTRONIC SPEED SWITCH, SET TO CLOSE WHEN ENGINE REACHES 375 RPM, INCR. (24)	
8	SWITCH, LOW PRESSURE ALARM (20)	—	–	(BM)	–	NO	CPLA	25 PSI, DECR.	
9	SWITCH, HIGH TEMPERATURE ALARM (21)	—	–	(LM)	–	NO	CTHA	185°F, INCR.	
10	SWITCH, HIGH TEMP SHUTDOWN (11)	—	–	(LM)	–	NO	CTHS	195°F., INCR.	SHUTDOWN IN TEST MODE ONLY
11	SWITCH, LOW TEMP ALARM (22)	—	–	(LM)	–	NO	CTLA	125°F., DECR.	
12	THERMOSTAT, KEEP WARM	—	–	(LM)	–	NO	CHT	CLOSE 135°F. OPEN 140°F.	
13	SWITCH, LOW LEVEL ALARM (23)	11907585	–	–	*	NO	CLLA	16" BELOW TOP FLANGE OF TANK (26)	(LM) - TANK, EXPAN. (CUST. MTD.)
14	FLEXIBLE HOSE, 1½" NPT (M) SKID END & (F) CUST. END.	11908262 (9)	–	–	△	NO	—	—	SEE NOTE 11
15	FLEXIBLE HOSE, ½" NPT (M) SKID END & (F) CUST. END.	11908260 (9)	–	–	△	NO	—	—	SEE NOTE 11
16 (1)	FLEXIBLE PIPE CONNECTOR 6" ANSI 150# FLAT-FLANGE EACH END	12994129	–	–	*	NO	—	—	SEE NOTE 11

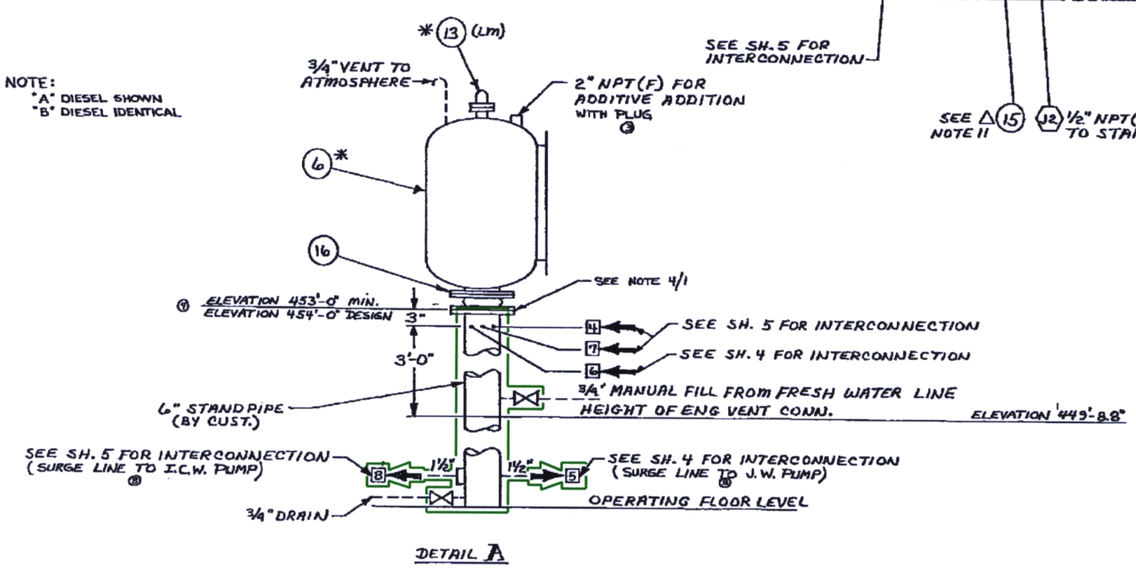
GENERAL NOTES APPLICABLE TO THE DETAILS OF THIS DRAWING ONLY

(2) 4/1. STANDPIPE FLANGE TO EXPANSION JOINT, ITEM 16, MUST BE WELD NECK TYPE, NOT SLIP ON TYPE.

ITEM NUMBER	G.A.I. TAG NUMBER (18) DIESEL 1A	DIESEL 1B
6	XTK-0114A-DG	XTK-0114B-DG
13	LS 5438	LS 5448



NOTE:
"A" DIESEL SHOWN
"B" DIESEL IDENTICAL



DETAIL A

D-21

SOUTH CAROLINA ELECTRIC & GAS CO.
VIRGIL C. SUMMER NUCLEAR STATION UNIT No. 1

☒ APPROVED
☐ APPROVED AS NOTED
☐ RETURNED FOR CORRECTION

CHECKING IS ONLY FOR GENERAL DESIGN AND GENERAL DIMENSIONS SET FORTH IN CONTRACT DOCUMENTS AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATION AS TO DETAIL WORKMANSHIP AND GUARANTEES.

GILBERT ASSOCIATES, INC.

B/M ITEM No. E1-1 _ DATE 11/8/82 _
XEG0001A & 1B-DG

DRAWING LEGIBILITY
CLASS 2
SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
16	1/10/00	TGB	REVISED PER ECR-50181	MGR	JEG
15	8/26/99	DDJ	REVISED PER ECR-50056	MGR	CHR
14	8/18/97	JMR	REVISED PER CGSS-97-0395	MGR	GJR

PLEX Drawing TR00160-005

ASSOCIATED WITH
FSAR Figure 9.5-4

JACKET WATER SYSTEM

VENDOR/DRAWING NO. COLT INDUSTRIES 11870080

DESIGN ENGINEERING
V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S. C.

MADE	CHECKED	LE APPROVAL
JMR	MGR	GJR

SCALE NO SCALE
DRAWING NUMBER 1MS-32-005
SHT. NUMBER 4
REV 16