



- NOTES:
1. ALL DIESEL STARTING AIR (DSA), DIESEL COOLING WATER (DCW), AND DIESEL EXHAUST (DE) PIPING AND ASSOCIATED COMPONENTS ON THIS DRAWING INCLUDED IN CONTRACTS 2, 53 AND 215 EXCEPT AS NOTED IN NOTE 17 ARE CLASSIFIED:
QUALITY CLASS: D
CODE GROUP: 0
SEISMIC CATEGORY: I
 2. ALL DIESEL OIL (DO) PIPING AND ASSOCIATED COMPONENTS ON THIS DRAWING EXCEPT AS NOTED IN NOTES 11 AND 22 ARE CLASSIFIED:
QUALITY CLASS: I
CODE GROUP: C FOR CONTRACT 215
SEISMIC CATEGORY: D FOR CONTRACT 2 AND 53
 3. (DELETED)
 4. ALL PIPING AND FITTINGS FOR DE(1)-1 AND DE(2)-1 ARE SUPPLIED BY CONTRACT 53 AND SUPPORTED AND ERECTED BY CONTRACT 215.
 5. (DELETED)
 6. EQUIPMENT TAG NUMBER WITH SUFFIX A1 REFERS TO NUMBER 1 ENGINE OF DIESEL GENERATOR DG-ENG-1A. SUFFIX A2 REFERS TO NUMBER 2 ENGINE OF DIESEL GENERATOR DG-ENG-1A. SUFFIX B1 REFERS TO NUMBER 1 ENGINE OF DIESEL GENERATOR DG-ENG-1B AND SUFFIX B2 REFERS TO NUMBER 2 ENGINE OF DIESEL GENERATOR DG-ENG-1B.
 7. ALL ITEMS MARKED * ARE FURNISHED WITH ASSOCIATED DG SKID SUPPLIER.
 8. ALL PIPING COMPONENTS AND INSTRUMENTATION SHOWN WITHIN THE CONTOURS OF THE ENGINE SKID OR AIR RECEIVER SKID ARE SUPPLIED BY THE DG SUPPLIER AND ARE:
QUALITY CLASS: I
CODE GROUP: D
SEISMIC CATEGORY: I
 9. (DELETED)
 10. (DELETED)
 11. ALL DIESEL OIL(DO) PIPING AND ASSOCIATED COMPONENTS ON THIS DRAWING INCLUDED IN CONTRACT 215 AND REFERRED TO BY THIS NOTE ARE CLASSIFIED:
QUALITY CLASS: II
CODE GROUP: D
SEISMIC CATEGORY: II
 12. DCW-HX-1C IS SUPPLIED BY CONTRACT 2 AND IS ASME SECTION VIII DIVISION 1. DCW-HX-1A1, 1A2, 1B1, 1B2 WERE SUPPLIED BY CONTRACT 53 AND ARE ASME III, 3.
 13. (DELETED)
 14. CODE BREAK DEFINITIONS FOR THERMOWELLS ARE SHOWN ON DRAWING M510. INSTALLATION OF THE THERMOWELLS AND SAMPLE PROBES*.
 15. ALL ITEMS REFERRING TO THIS NOTE ARE INSTALLED WITHIN THE FILTER MANIFOLD.
 16. (DELETED)
 17. DSA PIPING & EQUIPMENT REFERRED TO BY THIS NOTE ARE CLASSIFIED:
QUALITY CLASS: II
CODE GROUP: D
SEISMIC CATEGORY: I
* SEISMIC MOUNTING ONLY
 18. THE DIESEL LUBE OIL (DLO) SYSTEM FOR DG-ENG-1A & 1B IS A DUPLICATE OF STEWART & STEVENSONS VENDOR DRAWING NUMBER 209 (CVI NUMBER 53-00-55) AS MODIFIED BY POWER SYSTEMS DRAWING 691103002 SHEET 1 THRU SHEET 4 (CVI NUMBER 332-00-1,1 THRU 332-00-1,4 RESPECTIVELY).
 19. (DELETED)
 20. THE DIESEL LUBE OIL PRESSURE SWITCHES ARE INSTALLED BUT JUMPER IS INSTALLED TO BYPASS THEM. SEE ZONES D1 AND E15 ON SHEETS 2 AND 3.
 21. THESE DIESEL LUBE OIL PRESSURE SWITCHES ARE SPARED IN PLACE. SEE ZONES D2 AND D15 ON SHEETS 2 AND 3.
 22. ALL DIESEL OIL (DO) PIPING AND ASSOCIATED COMPONENTS ON THIS DRAWING INCLUDED IN CONTRACT 215 AND REFERRED TO BY THIS NOTE ARE CLASSIFIED:
QUALITY CLASS: II
CODE GROUP: D+
SEISMIC CATEGORY: I

- LEGEND:
1. ALL VALVES SUFFIXED WITH A (V) DENOTE A VENT VALVE.
 2. ALL VALVES SUFFIXED WITH A (D) DENOTE A DRAIN VALVE.
 3. ALL VALVES SUFFIXED WITH A (TH) DENOTE A THROTTLED VALVE.

REV	DATE	DESCRIPTION	DWN	CHK	APVD	REV	DATE	REMARKS	DRWN	CHKD	ENGR	REV	DATE	DESCRIPTION	DWN	CHK	APVD
28	11-10-94	REVISED PER 94-10-102-0002 (G-H/7)	HL	KL	WHK	24	10-22-93	CORRECTED INCORPORATION OF 55-1800-0A-301 (E/1).	KL	HL	SW	33	5-20-97	REVISED PER 89-0212-0A-302 (A/4-5), 92-0178-30-300 (H/3-5).	KL	HL	DLE
29	12-8-94	REVISED PER 92-0178-5F-332 (H-J/6,8)	HL	KL	JD	25	11-5-93	REVISED PER 93-09-044-0002 (J-K/6), 93-09-044-0003 (E/15), 93-09-044-0004 (D/4-5), 93-09-044-0005 (H/4-5), 93-09-044-0015 (G-H/10-12), 93-09-044-0016 (J/8), 93-09-044-0028 (G-H/1-2), 93-09-044-0030 (H-K/1-2).	HL	KL	JD	34	9-16-99	REVISED PER 99-07-003-0003 (E-G/7-8; H-K/4-7).	HL	HL	SRP
30	1-26-95	REVISED PER 89-0227-0A-426 (K/7)	HL	PAA	TWM							35	1-4-01	REVISED PER 0764-002 (C/12).	KL	BLS	SRP
31	2-16-95	REVISED PER 94-10-061-0003 (J/8, K/6)	MJH	HL	RC	26	6-17-94	REVISED PER 55-3046-0A-301 (F-G/10-11)	HL	PAA	JHD	36	3-14-02	REVISED PER 1486-007 (H/15, J/13)	DMS	KL	SRP
32	5-11-95	REVISED PER 91-0298-0A-306 (J/4)	PAA	HL	RC	27	7-1-94	REVISED PER 94-05-168-0003 (D/6)	HL	PAA	JHD	37	3-4-04	REVISED PER 01935-003 (D/14)	H.A.L	HL	DRJ

DETAIL "A"
LOOP SEAL
TYPICAL OF FIVE (ONE PER EACH DIESEL EXHAUST)

3'-0"

1" DE(56)-1

1/4" VENT HOLE

TO 22" EXHAUST LINE (ZONE H/10)

SIGNED	DATE	TITLE
APPROVED	JC MOWERY 4-22-88	FLOW DIAGRAM DIESEL OIL & MISCELLANEOUS SYSTEMS DIESEL GENERATOR BUILDING
DESIGN	JR MILLER 4-22-88	
CHECKED	SR PAYNE 4-11-88	DRAWING # M512-1
DRAWN	DR JACOBSEN 3-24-88	SCALE N/A REV. 37

MECH\MS00\M512-1-DWG

TOP TIER