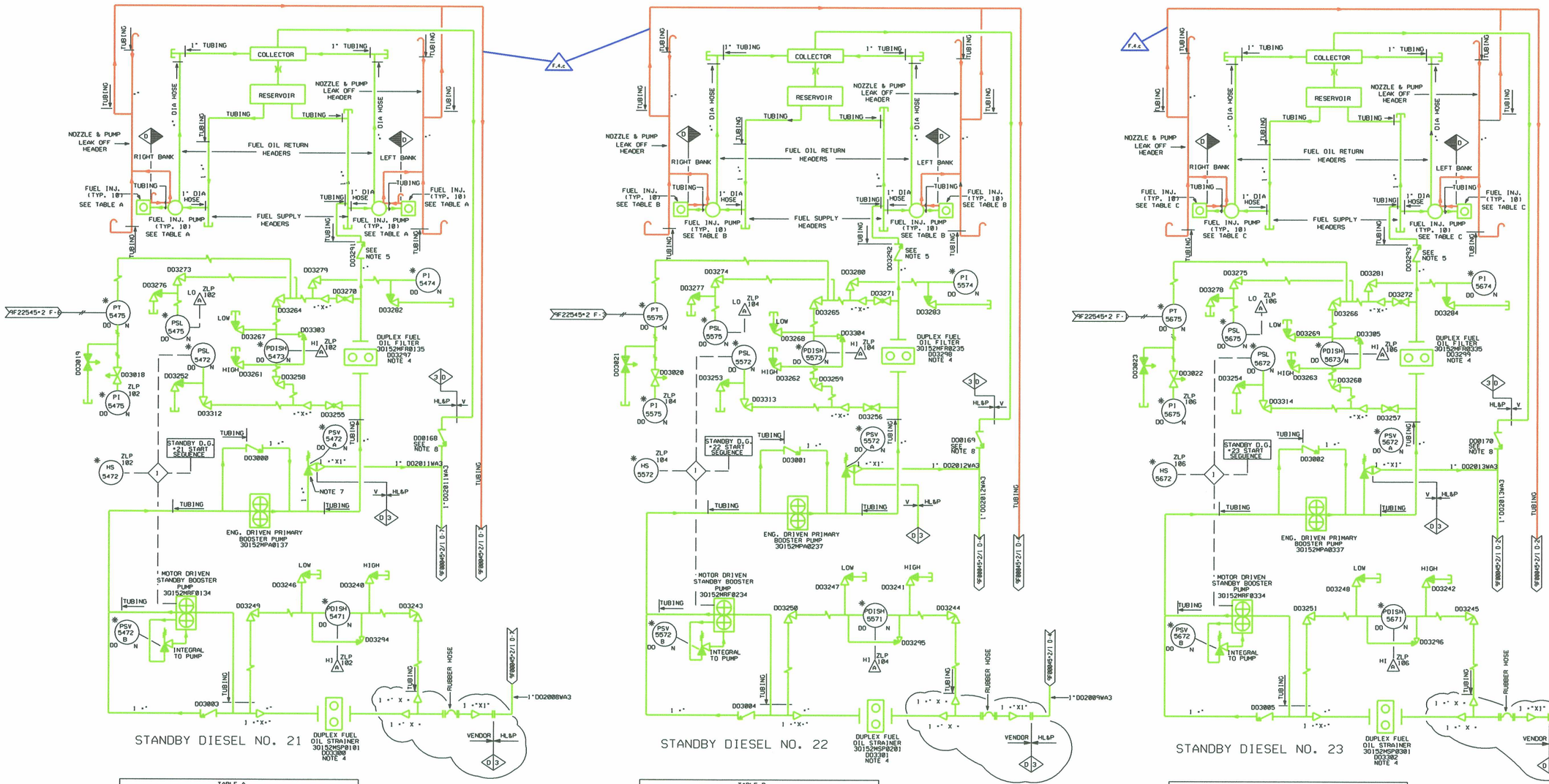


TABLE A		
CYL NO.	FUEL INJECTOR NO.	FUEL INJECTOR PUMP NO.
1 LEFT BANK	30152MNZ0134A	30152MPA0500A
2 LEFT BANK	30152MNZ0134B	30152MPA0500B
3 LEFT BANK	30152MNZ0134C	30152MPA0500C
4 LEFT BANK	30152MNZ0134D	30152MPA0500D
5 LEFT BANK	30152MNZ0134E	30152MPA0500E
6 LEFT BANK	30152MNZ0134F	30152MPA0500F
7 LEFT BANK	30152MNZ0134G	30152MPA0500G
8 LEFT BANK	30152MNZ0134H	30152MPA0500H
9 LEFT BANK	30152MNZ0134J	30152MPA0500J
10 LEFT BANK	30152MNZ0134K	30152MPA0500K
1 RIGHT BANK	30152MNZ0134L	30152MPA0500L
2 RIGHT BANK	30152MNZ0134M	30152MPA0500M
3 RIGHT BANK	30152MNZ0134N	30152MPA0500N
4 RIGHT BANK	30152MNZ0134P	30152MPA0500P
5 RIGHT BANK	30152MNZ0134Q	30152MPA0500Q
6 RIGHT BANK	30152MNZ0134R	30152MPA0500R
7 RIGHT BANK	30152MNZ0134S	30152MPA0500S
8 RIGHT BANK	30152MNZ0134T	30152MPA0500T
9 RIGHT BANK	30152MNZ0134U	30152MPA0500U
10 RIGHT BANK	30152MNZ0134V	30152MPA0500V

TABLE B		
CYL NO.	FUEL INJECTOR NO.	FUEL INJECTOR PUMP NO.
1 LEFT BANK	30152MNZ0234A	30152MPA0501A
2 LEFT BANK	30152MNZ0234B	30152MPA0501B
3 LEFT BANK	30152MNZ0234C	30152MPA0501C
4 LEFT BANK	30152MNZ0234D	30152MPA0501D
5 LEFT BANK	30152MNZ0234E	30152MPA0501E
6 LEFT BANK	30152MNZ0234F	30152MPA0501F
7 LEFT BANK	30152MNZ0234G	30152MPA0501G
8 LEFT BANK	30152MNZ0234H	30152MPA0501H
9 LEFT BANK	30152MNZ0234J	30152MPA0501J
10 LEFT BANK	30152MNZ0234K	30152MPA0501K
1 RIGHT BANK	30152MNZ0234L	30152MPA0501L
2 RIGHT BANK	30152MNZ0234M	30152MPA0501M
3 RIGHT BANK	30152MNZ0234N	30152MPA0501N
4 RIGHT BANK	30152MNZ0234P	30152MPA0501P
5 RIGHT BANK	30152MNZ0234Q	30152MPA0501Q
6 RIGHT BANK	30152MNZ0234R	30152MPA0501R
7 RIGHT BANK	30152MNZ0234S	30152MPA0501S
8 RIGHT BANK	30152MNZ0234T	30152MPA0501T
9 RIGHT BANK	30152MNZ0234U	30152MPA0501U
10 RIGHT BANK	30152MNZ0234V	30152MPA0501V

REFERENCES:

1. BECHTEL LOG 8041-00103-CE & FUEL OIL PORTION OF BECHTEL LOG 8041-01184-CE.
2. INCLUDES AS-BUILT CONDITIONS DEVELOPED FROM WALKDOWNS.

NOTES:

1. DELETED.
2. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED.
3. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR DO.
4. DUPLEX FILTER/STRAINER WITH THREEWAY INTEGRAL ISOLATION VALVE.
5. THE CHECK VALVES DO-3291, DO-3292, AND DO-3293 INTERNALS WERE REMOVED. NOT REQUIRED BECAUSE OF OVERHEAD F.O.S.T.

TABLE C		
CYL NO.	FUEL INJECTOR NO.	FUEL INJECTOR PUMP NO.
1 LEFT BANK	30152MNZ0334A	30152MPA0502A
2 LEFT BANK	30152MNZ0334B	30152MPA0502B
3 LEFT BANK	30152MNZ0334C	30152MPA0502C
4 LEFT BANK	30152MNZ0334D	30152MPA0502D
5 LEFT BANK	30152MNZ0334E	30152MPA0502E
6 LEFT BANK	30152MNZ0334F	30152MPA0502F
7 LEFT BANK	30152MNZ0334G	30152MPA0502G
8 LEFT BANK	30152MNZ0334H	30152MPA0502H
9 LEFT BANK	30152MNZ0334J	30152MPA0502J
10 LEFT BANK	30152MNZ0334K	30152MPA0502K
1 RIGHT BANK	30152MNZ0334L	30152MPA0502L
2 RIGHT BANK	30152MNZ0334M	30152MPA0502M
3 RIGHT BANK	30152MNZ0334N	30152MPA0502N
4 RIGHT BANK	30152MNZ0334P	30152MPA0502P
5 RIGHT BANK	30152MNZ0334Q	30152MPA0502Q
6 RIGHT BANK	30152MNZ0334R	30152MPA0502R
7 RIGHT BANK	30152MNZ0334S	30152MPA0502S
8 RIGHT BANK	30152MNZ0334T	30152MPA0502T
9 RIGHT BANK	30152MNZ0334U	30152MPA0502U
10 RIGHT BANK	30152MNZ0334V	30152MPA0502V

2084

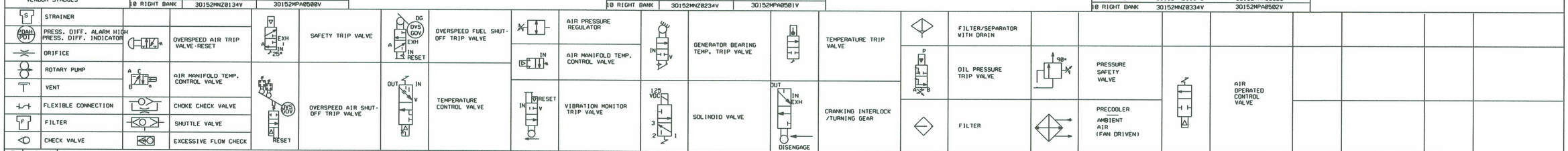
6. DESCRIPTION FOR THE NON ASME SECTION III CLASS 3 COMPONENTS SUPPLIED WITH THE ESF DG SETS.

   THE ENGINE MOUNTED COMPONENTS AND PIPING FROM THE ENGINE BLOCK TO THE ENGINE INTERFACE ARE CONSIDERED PART OF THE ENGINE ASSEMBLY AND ARE SEISMICALLY QUALIFIED TO CATEGORY I REQUIREMENTS. THIS PIPING AND ASSOCIATED COMPONENTS SUCH AS VALVES, MANUFACTURED HEADERS, FITTINGS, ETC. ARE DESIGNED, MANUFACTURED AND TESTED IN ACCORDANCE WITH THE GUIDELINES AND REQUIREMENTS OF DEMA, ANSI B31.1, ANSI N45.2 AND 10CFR50 APPENDIX B QA. THE DEMA STANDARDS PROVIDE ASSURANCE THAT THESE AUXILIARIES ARE DESIGNED, FABRICATED, ERECTED, AND TESTED TO QUALITY STANDARDS COMMENSURATE WITH THE SAFETY FUNCTION TO BE PERFORMED.

7. THE FUEL OIL BOOSTER PUMP LINE PRESSURE OF 35 PSIG IS OBTAINED BY SETTING THIS RELIEF VALVE TO 28 PSIG AND UTILIZING THE STATIC PRESSURE ON THIS VALVE WHICH IS APPROXIMATELY 15 PSIG.

8. THE INTERNALS OF CHECK VALVES DO-0168, DO-0169, AND DO-0170 HAVE BEEN REMOVED.

VENDOR SYMBOLS



NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
5	4-21-97	INCORP. DCN 9503271.	SIGNATURES ON FILE				
4	9-13-93	INCORP. ECN 89M0204D & EDITORIAL CHANGES (CHANGED CODE FLAGS)	SIGNATURES ON FILE				
3	2-22-93	INCORP. DCN MD-2688	SIGNATURES ON FILE				
2	12-29-92	INCORP. DCN MD-2650 & PCF'S 179520-A 179521-A, 179522-A	SIGNATURES ON FILE				
1	7-23-92	INCORP. DCN MD-2071	SIGNATURES ON FILE				
0	10-29-90	ISSUED FOR CONSTRUCTION & INC. ECN 90-M-0025-A	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
8		REVISED PER CR 0016034-1	JGL				
7	7-16-97	INCORP. DCN 9503269.	SIGNATURES ON FILE				
6	5-5-97	INCORP. DCN 9503273.	SIGNATURES ON FILE				

ESEED.DGN

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM
STANDBY DIESEL
FUEL OIL

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA771.081	D070928		NONE	5Q159F00045#2	2	8

LR BOUNDARY DRAWING NO.	REV.
LR-STP-DO-5Q159F00045#2-2	0