



**NOTES:**

- Runs A, B, C & D shall be in accordance with Spec B711(ANSI B31.7, Class III, Pipe Spec J) & Pipe Code Class C, 150# SASTS GRD70, Ball Valves are ASME Section III, Nuclear Class 3, 150#. All steel pipe shall have protective coating Rayclad 120 Coating thickness class B, Raychem heat shrinkable wrap around sleeves (HTLF 801B) or Raychem flexidur corrosion prevention tape used at pipe girth welds and areas not coated with Rayclad 120. Devco's Devyar 247 material used at valves and odd-shaped areas.
- Drainage Runs "G" & "H" shall be Ring Tite PVC piping and fittings type I Schedule 40, in accordance with current ATSM D1785.
- DCO-6M-2590 & DCO-0M-110R1, R2 Includes FCT 2921B & FCT 2937 AB/C
- DIESEL FUEL OIL TANK NO. 0-2 REPLACED PER DCN DCO-EC-49268
- DIESEL FUEL OIL TANK NO. 0-1 REPLACED PER DCN DCO-EC-49160
- DIESEL FUEL OIL TRANSFER PIPING (RUNS A, B, C, & D) IS SHOWN FOR INFORMATION ONLY, SEE MECHANICAL DRAWINGS (REF. 14 & 15) FOR DESIGN CONFIGURATION.
- MISSILE PLATE AT LOCATIONS BP019A(U) AND BP020A(U) HAVE 1/2" HILTI HVA W/ HAS TYPE 316 SS ROD ANCHORS AT 6 PLACES WITH RECEPTOR BOLT (TYPE 316 SS) AS SHOWN PER DETAIL 2.

**REFERENCES:**

- Diesel F.O. Pump Vaults 4016300 Thru 4016305 (Tank 0-1)  
4016307 Thru 4016312 (Tank 0-2)
- Diesel Generators Fuel Oil System Details 438134
- Diesel Generators Fuel Oil Storage Tanks Requirements 4015476
- General Utilities 438172, 438173
- Electrical Pull Boxes, Unit 2 443001-002
- Drainage and Firefighting 500116-989
- Details of Embedded Pipe & Fitting 500153
- Sanitary Sewer Piping 438045
- Piping and Mechanical 500002-852
- Plan Firewater System 438145
- Plan & Profile Auxiliary Bldg Roof Drain 438167
- Plan of Intake & Discharge Conduits 438093
- Plan & profile Turbine Bldg Sump Overflow Piping 438163
- Diesel Fuel Pump Vault Piping 508845
- Mech. Dwgs. 4009180 to 4009190, 4009192, 4009193 & 4009195
- Struct. Modifications Turbine Bldg 463646, 647, 656 & 667
- DFO Pipeway Modifications 4005010 & 4005011

**UNITS 1 & 2**

CIVIL  
EMERGENCY DIESEL GENERATOR  
FUEL OIL SYSTEM

PACIFIC GAS AND ELECTRIC COMPANY  
SAN FRANCISCO, CALIFORNIA

DWG SCALE  
BILL OF MATL  
SUSPDS  
SUSPDS  
SHEET NO. 1 OF 1

DATE 7/2/03  
DWN. DWG2 Revised per DCO-SC-049492-00  
R.E. WRHS  
INDEP. VERIFIER RM02  
P.E. RM02

COORDINATION  
MECH. -  
ELEC. -  
CIVIL -  
PIPING -  
TSC -

REVISION INFORMATION

438165 REV 14