



* EXISTING
** NEW

- (C) TUBE SIDE INLET --- 3" SCH. 160 (.438")
- (D) TUBE SIDE OUTLET --- 3" SCH. 160 (.438")
- (E) SHELL SIDE INLET --- 4" SCH. 40 (.237")
- (F) SHELL SIDE OUTLET --- 4" SCH. 40 (.237")
- (G) SHELL SIDE VENT --- 1" - 30000 SOCKET WELD
- (H) SHELL SIDE DRAIN --- 1" - 30000 SOCKET WELD

END BEVELED FOR CONSUMABLE INSERT WELDING
END BEVELED FOR BUTT WELDING

NOTES:
1. G-RINGS TO BE WELD WITH CONSUMABLE OR T-GRINGS WELD WITHOUT G-RINGS IS ACCEPTABLE.
2. FOR TUBE PLUGGING INFO. AND END DESIGNATION SEE DPE-201-3100, 7

UNIT PLAN

MATERIAL LIST

PART NO.	PART NAME	MATERIAL	SPEC.	REMARKS
1	TUBE COILS	T-316L S.S.	SA-213	.070 BNG. SML
2	TUBE SHEET	T-316L S.S.	SA-240	PLATE
3	TUBE SIDE CHANNEL BODY	T-316L S.S.	SA-182	FORGED BAR
5	CHANNEL NOZZLE	T-316L S.S.	SA-182	FORGED BAR
6	CASING BASE PLATE	CARB. STEEL	SA-516-70	PLATE
7	CASING END PLATE	CARB. STEEL	SA-516-70	PLATE
8	CASING SHELL	CARB. STEEL	SA-516-70	PLATE
9	CASING NOZZLE PIPE	CARB. STEEL	SA-106-8	SEAMLESS PIPE
10	CASING PIPE TO TUBE SHEET	CARB. STEEL	SA-106-8	SEAMLESS PIPE
11	SOCKET WELD CPLG	FORGED STEEL	SA-105	
12	SUPPORTS	CARB. STEEL	SA-516-70	PLATE
13	FLOWSEAL	T-304 S.S.		
14	CHEMICAL CONNECTOR	MATERIALS PER ANCHOR/DARLING DWG. 93-15		

CUSTOMER ----- MILL POWER SUPPLY CO.
 CUST. ORD. NO.- N46923-13
 GRAHAM JOB NO.- 64770HC (ORIGINAL JOB NO. FOR COOLERS- 34097HC AND 44773HC)
 DESIGN ----- A.S.M.E. SECT. III, CL-3 (1980), ADDENDUM THRU SUMMER 1980
 CONSTRUCTION -- A.S.M.E.
 INSPECTION ---- A.S.M.E. & CUSTOMER
 STAMPING ----- A.S.M.E. ("N" STAMP REQ'D)
 PAINT ----- COMM GRIT BLAST CARBON STEEL
 (1) PRIME COAT CARBO-ZINC 11 (3) MILS D.F.T.
 (1) FINISH COAT PHENOLINE 305 (4) MILS D.F.T.
 PER DUKE POWER CO. NUCLEAR COATING SPEC. 5001-1, REV 12/1/77

DUKE POWER CO. SPECIFICATION NO. --- OSS-0201.00-00-0004 REV.