



* 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-SEALING WELD WITH CONSUMABLE OR V-GROOVE WELD WITHOUT CONSUMABLE IS ACCEPTABLE.

2. FOR TUBE PLUGGING INFO. AND DESIGNATION SEE DPE-201-S100, A

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

DE

(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 12/1/7

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