



MATERIALS

TUBES (BY OTHERS) - 1250 (PER SHELL) 1/2" O.D. x 2 1/2" I.D. x 30' STAINLESS STEEL TYP. 304

TUBE SHEETS - 1250 (PER SHELL) 1/2" O.D. x 2 1/2" I.D. x 30' ALUMINUM BRONZE ASTM B148 D

TUBES SUPPORT FLANGES - 30" I.D. FLANGE CURVED STEEL ASTM A182 GR. C

SHELL - 30" I.D. FLANGE CURVED STEEL ASTM A182 GR. C

WATER BOXES - 30" I.D. x 18" I.D. FLANGE CURVED STEEL ASTM A182 GR. C

IMPLEMNT BRIFLES - 30" I.D. FLANGE CURVED STEEL TYP. 304

GASKETS - (SHELL SIDE) - ASBESTOS / PERMA-TEX

(TUBE SIDE) - CLOTH IMPREGATED RUBBER

BOLTING - ALLOY STEEL ASTM A193 GR. B

WEIGHTS (BOTH SHELLS)

EMPTY - 130,000 LBS

OPERATING - 1,130,000 LBS

FLOODED (WATER BOXES) - 800,000 LBS

SHIPPING (WITHOUT TUBES) - 1,100,000 LBS

INLET WATERBOX (EACH) - 20,000 LBS

OUTLET WATERBOX (EACH) - 20,000 LBS

PRESSURES

WATER BOX DESIGN - 30 PSIG

WATER BOX TEST - 35 PSIG

ALT.	DATE	REVISION	BY	CHK.
A	7/10/55	REVISED PER B.T.E. LETTER DATED 6/25/55 AND MARKED-UP PRINT DATED 7/22/55	J.L.	J.R.
B	7/25/55	RE-ORIENTED CROSS-OVER VALVE AT CONN. "AZ". REVISED AS PER BURNS & ROE LETTER DATED 6/15/55 AND MARKED-UP PRINT DATED 8/13/55	J.L.	J.R.
C	11/1/55	REVISED PER B.T.E. LETTER DATED 11-15-55 AND MARKED-UP PRINT DATED 11-12-55. REVISED HOT WELL ROD AS PER BURNS & ROE DWG. M-134	J.L.	J.R.
D	1/27/56	REVISED PER B.T.E. LETTER DATED 1-20-56 1/2" I.D. PART DATED 1-24-56. REVISED COND. 1070 PER TELECON WITH MR. J. SEBORG	J.L.	J.R.
E	2/19/56	REVISED PER B.T.E. LETTER DATED 2-14-56 1/2" I.D. PART DATED 2-18-56	J.L.	J.R.
F	3/14/56	REVISED PER B.T.E. LETTER DATED 3-14-56 1/2" I.D. PART DATED 3-28-56	J.L.	J.R.
G	3/24/56	REVISED PER B.T.E. LETTER DATED 3-24-56 MARKED-UP PRINT DATED 5-7-56	J.L.	J.R.
H	4/10/56	REVISED PER B.T.E. LETTER DATED 4-25-56 & MARK. REC. DATED 4-24-56	J.L.	J.R.
J	4/11/56	REVISED CONN. "BB" AS PER BURNS & ROE TELEPHONE CONVERSATION	J.L.	J.R.
K	4/15/56	SHELL SIDE GASKET WAS RED LEAD AND LINED OIL IMPREGATED CANVAS	J.L.	J.R.
L	4/15/56	PREPARED FOR THE FIELD SECTION ONLY	J.L.	J.R.
M	7/10/56	ADDED CONN. "CI" TO SHELL AS PER B.T.E. LETTER DATED 5/17/56 AND MARK. UP PRINT DATED 4/13/56	J.L.	J.R.

NOTES

- ONE (1) CONDENSER REQUIRED CONSISTING OF TWO (2) SHELLS.
- EACH SHELL TO BE SHIPPED IN SEVENTEEN (17) SECTIONS. THE FOLLOWING ITEMS TO BE SHIPPED SEPARATELY: WATER BOXES, CONNECTION AND TUBE SHEETS & EXTENSION PARTS.
- EXTERNAL SURFACES OF SHELL TO BE SAND BLASTED AND GIVEN ONE COAT OF SWEEP PAINT.
- INTERNAL SURFACES OF SHELL TO BE SAND BLASTED AND COATED WITH WATER SOLUBLE ENAMEL.
- CONDENSER TO BE TUBED AT SECTION SITE.
- BOLT HOLES ON ALL FLANGED CONNECTIONS TO BE TANGLE CENTER LINES.
- VIEW A-A (CALLED OUT IN KEY PLAN) SHOWN ON SHEET 1, 1" I.D. BOLT LETHS 5" MIN IN SHEET 4.
- TECHNICAL DATA FOR ALL CONNECTIONS GIVEN ON SHEET 3.

RECEIVED

FEB 5 1956

BURNS and ROE HEMPSTEAD

FILMED

RECEIVED JUL 10 1955

454008034

COOPER NUCLEAR STATION CONTRACT NO. E-C-8-9

INDUSTRIAL PRODUCTS DIVISION MARYLAND SHIPBUILDING & DRYDOCK CO. BALTIMORE, MD.

60,000 SQ FT SURFACE CONDENSER SINGLE PHAS, SHIPPED FROM TUB SHELL (CONDENSER SHELL 1B)

FOR COOPER'S PUBLIC POWER DISTRICT

DESIGNED BY: MNR 5-2-55

DRAWN BY: G.F.M. 5-2-55

CHECKED BY: MNR 5-3-55

APPROVED BY: MNR 5-3-55

CONTRACT NO. 93877

SCALE 3/4" = 1'

SHEET 1 OF 2

DWG. NO. EC33877GA

EXPIRES ON MAR 27 2000

NON-CONTROLLED PRINT

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