

TWO - 100% DUTY A.C. MOTOR DRIVEN  
CENTRIFUGAL WATER PUMPS (88.WC1 & 88.WC2.)  
L-WORKING & I-STANDBY.  
S.P.P. MODEL : 'UNISTREAM' 80/20.  
PUMP DUTY : 39.8 L/SEC. AT 1.8 BAR  $\Delta$   
DIFFERENTIAL HEAD  
30 KW. - 2 POLE MOTORS WITH ANTI-CONDENSATION  
HEATERS.

150 NB. CAST IRON GATE  
VALVES FIG. M514 - PN.10.  
(RISING STEM.)

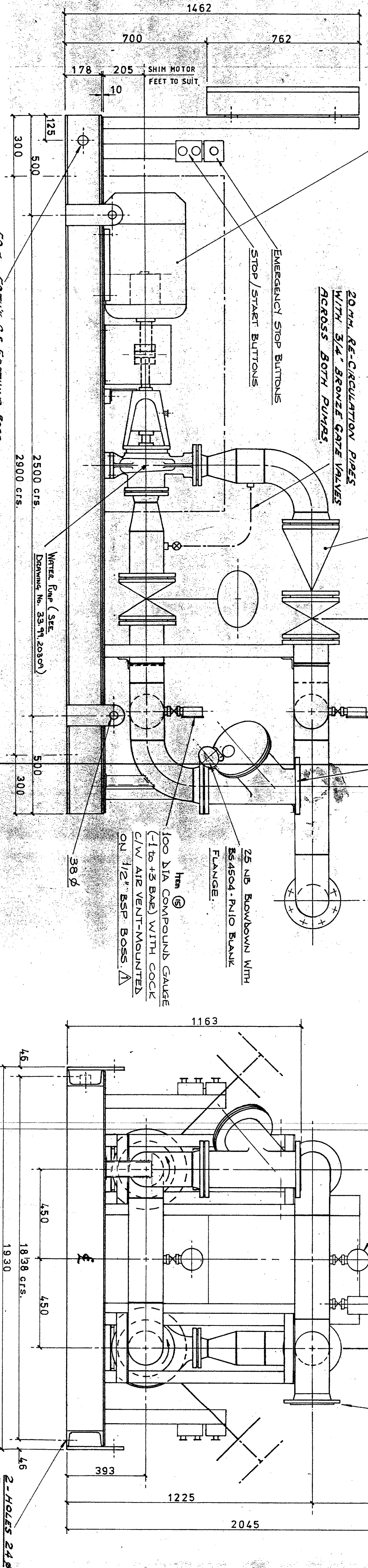
150 NB. CAST IRON 'Y' TYPE  
STRAINER. BS.4504 - PN.10. - R/L.

150 NB. C.I. SWING  
CHECK VALVES.

100 DIA PRESSURE GAUGE  
(0 to 7 BAR) WITH COCK C/W  
AIR VENT-MOUNTED ON 1/2" BSP  
BOSS.  $\Delta$

ITEM (3) PRESSURE SWITCH (63WC) WITH  
COCK C/W AIR VENT - MOUNTED  
ON 1/2" BSP BOSS.  $\Delta$

150 NB. OUTLET  
BS.4504 - PN.10 - R/L.



(PUMP MOTOR 88WC1 ON & OF  
OUTLET ON UNIT 4 & ON &  
OF INLET ON UNIT 3)

50  $\phi$  x 507X. C.S. EARTHING BOSS  
TAPPED FOR 1/2" U.N.C. x 3/4" L.G.  
BRASS SCREW + 1" 90. WASHER.

ITEM (2) SPACE COMPENS. TENSILE  
ELEMENT

TERMINAL BOX FOR  
INSTRUMENT WIRING.  
(JB3 WC1 FOR UNIT 3  
& JB4 WC2 FOR UNIT 4)

ITEM (1) Pump Motor M.O.E.  
Bearing

ITEM (1) Pump Motor M.O.E.  
Bearing

(PUMP MOTOR 88WC2 ON & OF  
INLET ON UNIT 4 & ON & OF  
OUTLET ON UNIT 3)

ACOUSTIC CHAMBER OVER  
EACH PUMP/MOTOR ASSEMBLY.

- NOTES**
1. SPREADER LIFTING BEAM REQUIRED (NOT SUPPLIED BY G.E.A. - S.G.)
  2. FULLY ASSEMBLED PUMP SKID TO BE PRESSURE TESTED TO 10 BAR.G. ~ WITH PRESSURE GAUGES ISOLATED.
  3. FINISH : ASSEMBLY TO BE PAINTED IN ACCORDANCE WITH J.B.E. SPEC. M.E.S. 6670 ~ SYSTEM 0998-15-1. (ALKYD PAINT SYSTEM) ~ FINAL COLOUR 1BS 4800 00A09  $\Delta$  DARK GREY.
  4. UNIT 4. GAS TURBINE : SKID MODIFIED TO ACCOMMODATE REVISED PUMPING DUTY OF 39.8 L/SEC. AT 5.33 BAR DIFFERENTIAL HEAD PUMP MODEL No. 'UNISTREAM' 80/20. MOTOR RATING = 37 KW. - FRAME SIZE YDF.200.L. NO DIMENSIONAL CHANGES TO PUMP SKID.

No. RECD. = 1. off. AS DRAWN FOR UNIT 4. GAS TURBINE.

1. off. OPP. HAND " " 3 " "

HYDRO-ELECTRIC  
PETERHEAD GENERATING STATION

CONTRACT No. 2052600 / C01 DRAWING No. 036 / 1328 / 7102 SHEET No. REV No. 1 4.

**JOHN BROWN** John Brown Engineering Limited Clydebank, Dunbartonshire DB1 1YA

J.B.E. ORDER NUMBER : 07/24500

J.B.E. DRAWING NUMBER : 0998-7205-018 REV. 4

GEA SPIRO-GILLS LIMITED

TITLE GENERAL ARRANGEMENT OF GAS TURBINE WATER PUMPING SKID.

FOR J.B.E. LTD. (PETERHEAD)

REV	BY	DESCRIPTION	CHD	APP	DATE
1	AS	NOTE No. 4. ADDED.			
2	AS	Space Prior Description			
3	AS	Outlet Flange Repositioned			
4	AS	Terminal Boxes Amended			
5	AS	Stop/Start Buttons Re-positioned			
6	AS	Revised as indicated			