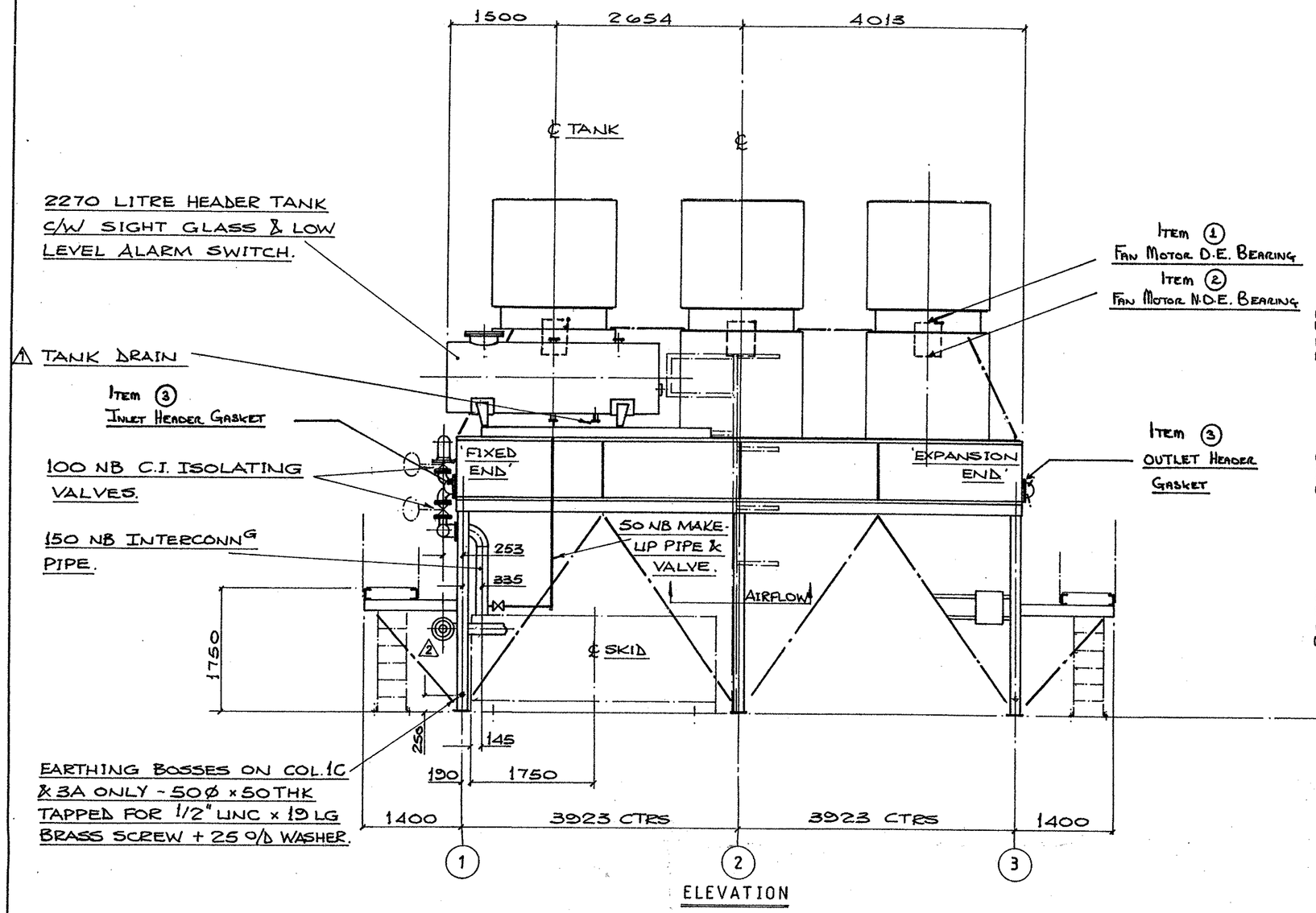
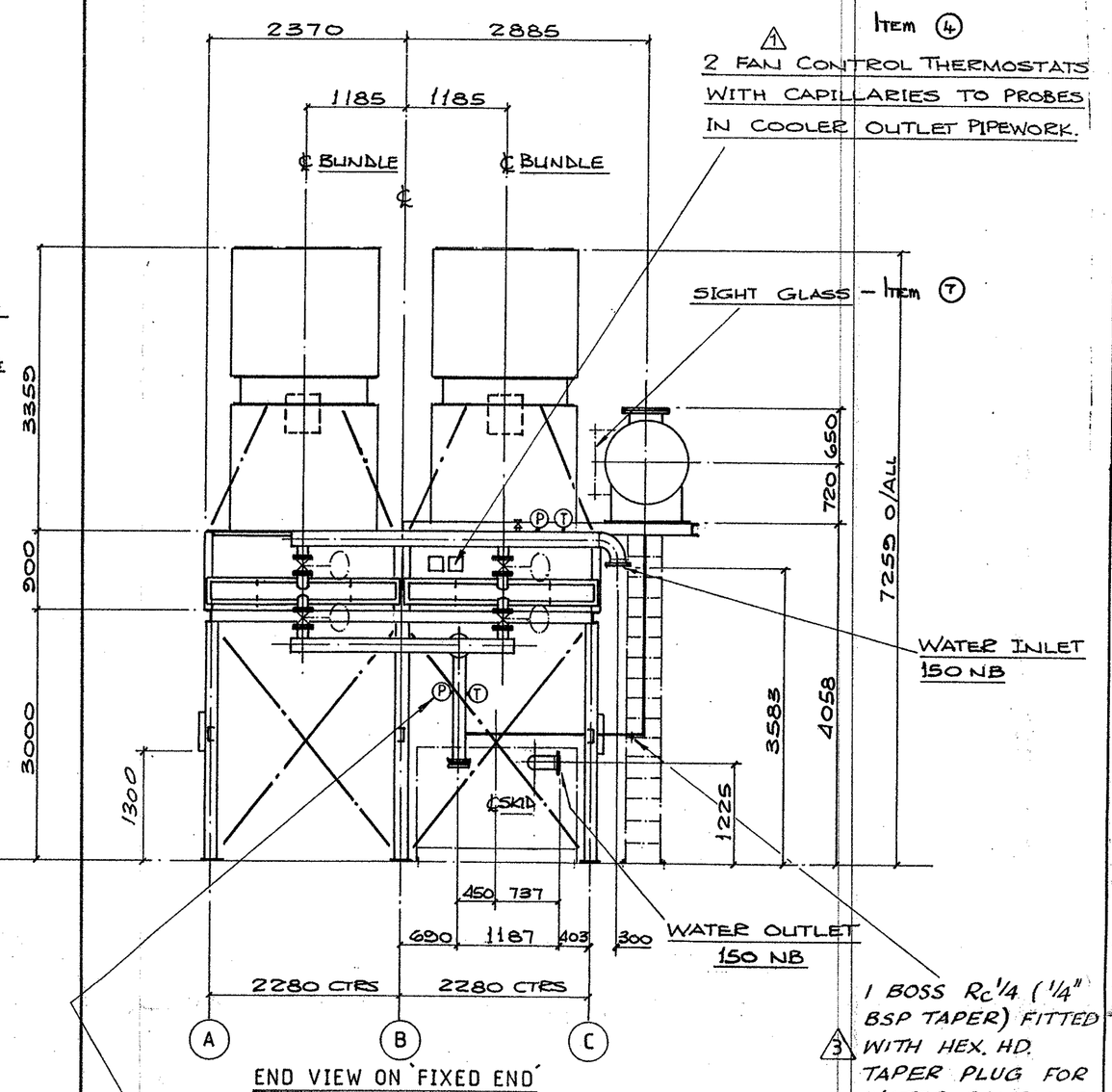




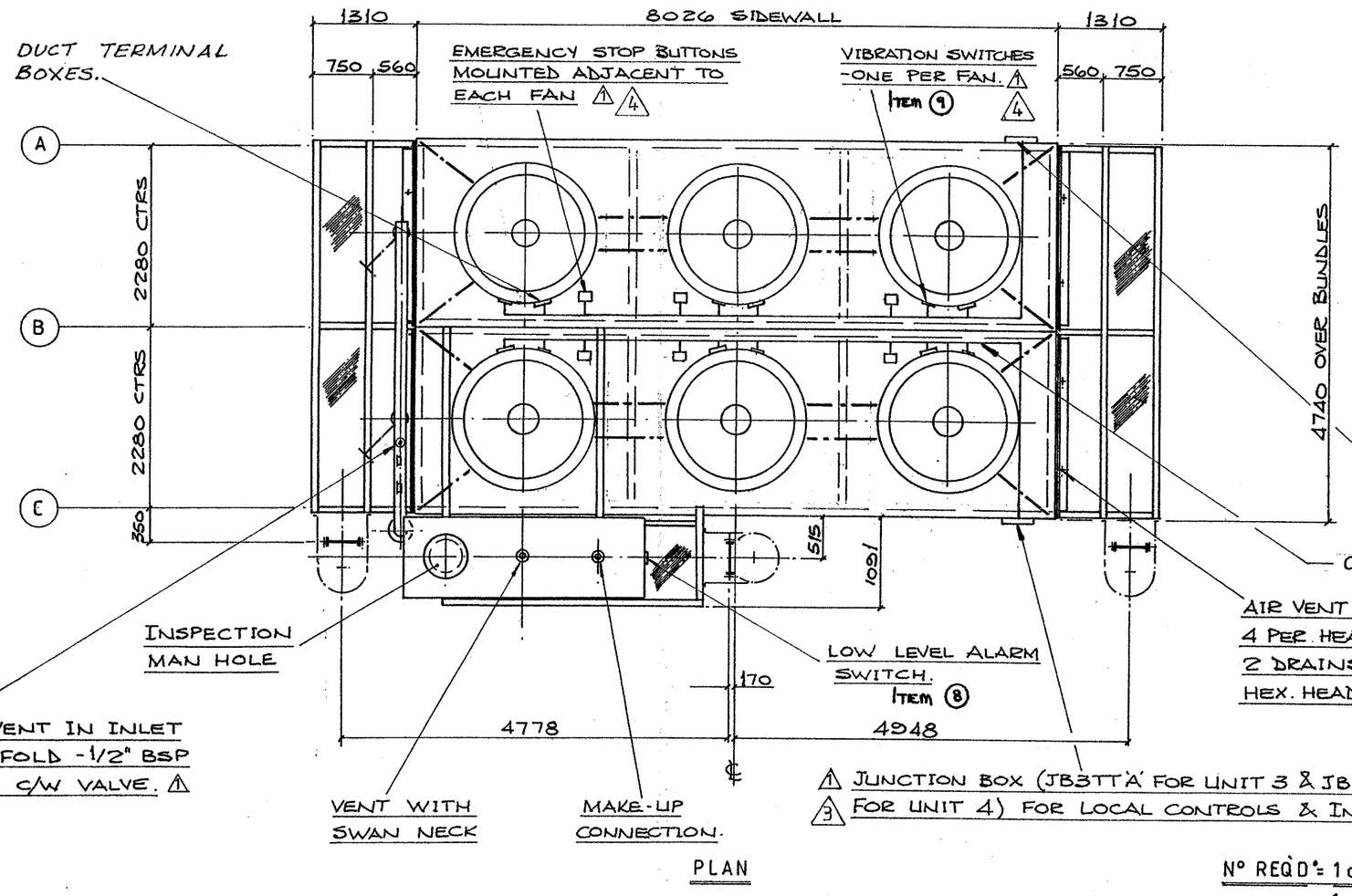
OPERATING DATA.	unit.	
Operating Pressure	BARG	⚠ 4·8 MAX.
Design "	"	7·0
Test "	"	10·5
Inlet Temperature	°C	69·2
Outlet "	"	57·0
Design "	"	120
Air Design Temp.	"	30
Nozzle Inlet.		1 x 150 NB
Nozzle Outlet.		1 x 150 NB
Flange Rating.		BS 4504 PN 10
Fan Type.		WOODS '60J 11/3' D160/34 6·4 KW MOTOR
		28° B.A. 585 RPM
INSPECTION.		
Drawing Examination By.		JOHN BROWN ENG. LTD.
Construction Control By.		" " " "
Pressure Test By.		GEA SPIRO-GILLS LTD
Inspection Acc. To.		GEA STD'S & CUSTOMER SPECN.
Design Acc. To.		" " " " "

GENERAL NOTES

1. ALL STEELWORK TO BS.4360 - 43A
2. FABRICATIONS TO BS.449.
3. BOLTS TO BS.3692 - GR.8.8 TON (SPUN GALVANISED)
4. NOZZLES: MATING FLANGES AND GASKETS ARE NOT SUPPLIED BUT ALL NOZZLES ARE SEALED FOR TRANSIT WITH STEEL BLANKS AND MIN. OF 4 BOLTS.
5. FINISH: TUBE BUNDLE SIDEWALLS, TUBE SUPPORT BEAMS, PLENUM DIVIDERS, FAN DECKS, FAN CASINGS, FAN GUARDS, HEADER TANK AND SUPPORT STRUCTURE TO BE HOP DIP GALVANISED TO BS.729.

ALL PIPEWORK AND HEADERS TO BE PAINTED IN ACCORDANCE WITH J.B.E. PAINT SPECIFICATION SHEET 0998-6670-001

⚠ PAINT SYSTEM 0998-PS-1 FINISH COLOUR TO BS.4800 00A09 (DARK GREY)



⚠3 JUNCTION BOX (JB3TT'B' FOR UNIT 3 & JB4TT'B' FOR UNIT 4) FOR LOCAL CONTROLS & INSTRUMENTS.

N° REQ'D: 1 off UNIT AS DRAWN FOR UNIT 4 GAS TURBINE & 1 off UNIT OPP. HAND FOR UNIT 3 GAS TURBINE.

REFERENCE DRAWINGS

G.T. LOADING PLAN:	33.99.20336
G.T. STEELWORK ASSEMBLY:	33.99.20337
G.T. PUMPING SKID:	33.99.20350
⚠ GEN. ARRGT GENERATOR UNIT:	33.99.20310

REV	BY	DESCRIPTION	CHKD	APP	DATE
5	AS	SPARE PART IDENTIFICATION NO. ADDED.		BDK	3/6/91
4	AS	MODIFIED TO AS BUILT CONDITION.		BDK	25/9/91
3	AS	JUNCTION BOXES WERE MTD. ON FAN DECKS Rc¼ BOSS ADDED IN MAKE-UP PIPE.		BDK	4/10/90
2	JHM	WATER OUTLET REPOSITIONED		BDK	11/6/90
1	JHM	WATER OUTLET AMENDED, ADDITIONS & MODIFICATIONS WHERE INDICATED ⚠		BDK	5/2/90

GEA SPIRO-GILLS LIMITED

TITLE: GENERAL ARRANGEMENT OF GAS TURBINE WATER COOLING UNIT

FOR: JOHN BROWN ENG. LTD (PETERHEAD)

HYDRO-ELECTRIC PETERHEAD GENERATING STATION

CONTRACT No.	DRAWING No.	SHEET No.	REV No.
2052600 / C01	036 / 1328 / 7100	01	05

JOHN BROWN — John Brown Engineering Limited, Clydebank, Dunbartonshire G81 1YA

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

J.B.E. DRAWING NUMBER : 0998-7205-006 REV 05

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SCALE	1:50	DATE
DRAWN	JHMellor	24-11-89
CHECKED		
APPROVED		

CUSTOMER'S P.O.	JOB No.	DRAWING No.
07/24500	23050	33.99.20335

W.S.O.O. PDS 894430