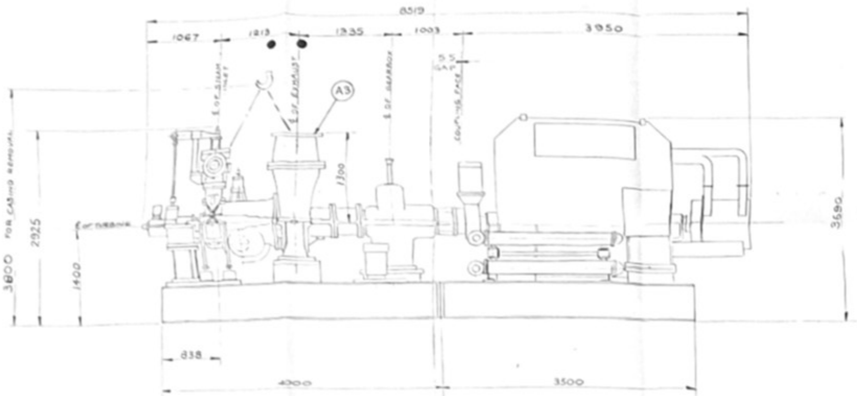
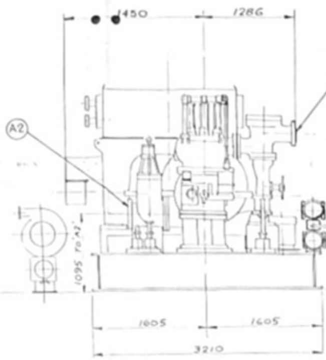
DRG. No. T-O-2005-0506

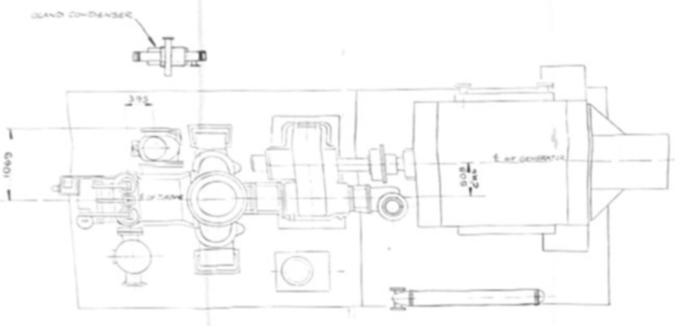
FIRST ANGLE PROJECTION

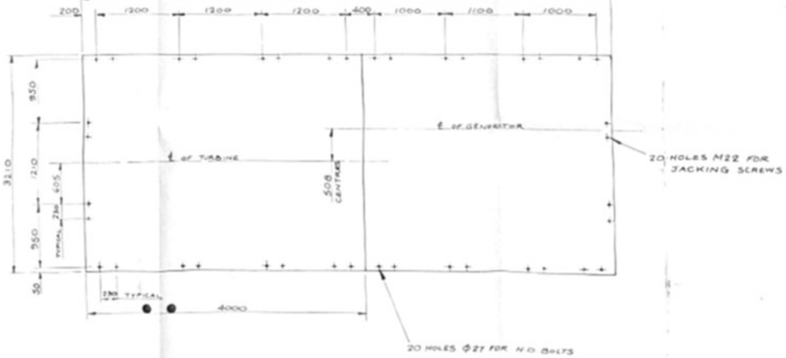
TERMINATING POINTS

A1	STEAM INLET	6"NB ANSI 600
A2	PASSOUT STEAM	10"NB ANSI 300
A3	EXHAUST STEAM	20"NB ANSI 150









FOUNDATION PLAN

HIGHEST FOUNDATION POINT LOAD = 28 KN ± 122 KN (PRELIMINARY)
(MAKE ALL POINTS IDENTICAL)

TERMINAL FLANGE MOVEMENTS (IN MM)

	VERTICAL	TRANSVERSE	AXIAL
STEAM INLET	5.35 UP	7.2 AWAY FROM TURBINE ℄	3.6 AWAY FROM EXHAUST ℄
EXTRACTION	0.75 DOWN	2.0 AWAY FROM TURBINE ℄	2.0 AWAY FROM EXHAUST ℄
EXHAUST			
NORMAL	1.65	ZERO	0.05
MAX	5.6 UP	ZERO	0.7 AWAY FROM STEAM INLET ℄

LIMITS FORCES & MOVEMENTS ON TERMINAL FLANGES

	FORCES (KG)			MOMENTS (KGM)		
	VERTICAL	TRANSVERSE	AXIAL	VERTICAL	TRANSVERSE	AXIAL
INLET BRANCH	340	340	340	105	105	105
EXTRACTION BRANCH	340	340	340	105	105	105
EXHAUST BRANCH	340 UP 4500 DOWN	340	340	105	105	105

NOTE :- THESE FORCES AND MOMENTS CAN BE APPLIED SIMULTANEOUSLY

WEIGHTS (PRELIMINARY)

ALTERNATOR	14500 KG
BASEPLATE	3200 KG
COOLERS	500 KG
INSTALLATION WEIGHT	17000 KG
TURBINE	7000 KG
GEARBOX	4100 KG
BASE PLATE + AUXILIARIES	5900 KG
INSTALLATION WEIGHT	17000 KG
OIL	2600 KG
TOTAL WEIGHT	38600 KG

MAINTENANCE WEIGHTS

ALTERNATOR ROTOR	4030 KG
TURBINE ROTOR	650 KG
TURBINE STOP VALVE	700 KG
TURBINE CASINGS (OP HALVES)	1200 KG
TURBINE NOZZLE CHEST	800 KG

DIMENSIONS ARE IN INCHES / MILLIMETRES

DO NOT SCALE

IF IN DOUBT ASK

MACHINING SYMBOLS TO B.S. 308 & B.S. 1134
WELDING SYMBOLS TO B.S. 499 PART 2
GEOMETRICAL TOLERANCES TO B.S. 308

MICROMETRES

BREAK ALL SHARP EDGES MAX. 0.4mm RAD OR CHAMFER UNLESS OTHERWISE STATED

LIST OF MATERIAL FOR ONE

ISSUE No	DETAILS OF ALTERATIONS AFTER FIRST ISSUE	INIT	DATE	CHKD	APPD	CHANGE NOTE No
5						
4						
3	1335 DIM WAS 1316, 3800 DIM WAS 2920 AMND					
2	REDRAWN					
1						

TITLE PRELIMINARY GENERAL ARRANGEMENT

MACHINE FRAME 13

Peter Brotherhood Ltd.
PETERBOROUGH PE4 6AB
ENGLAND

FIRST USED ON T. No. T1 54820

SCALE OF ORIGINAL DRAWING 1 : 25

DRG. No. T-O-2005-0506

WHEN QUOTING THE DRAWING NUMBER PLEASE STATE THE LATEST ISSUE NUMBER

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