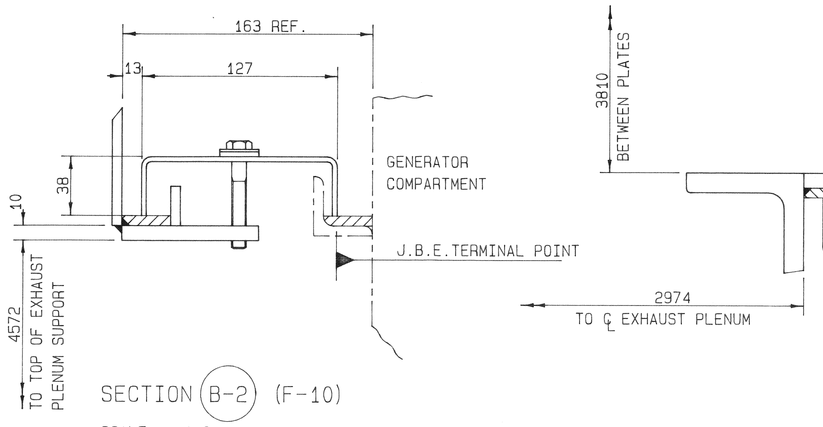
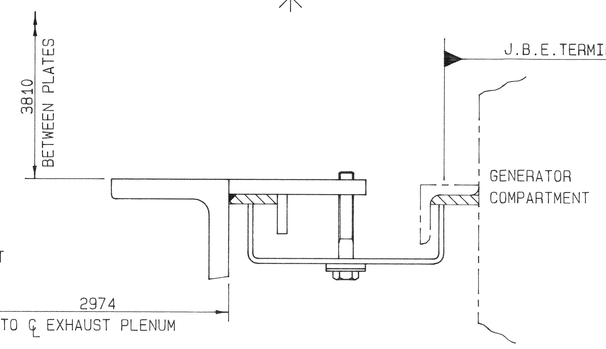


SECTION (B-2) (F-10)

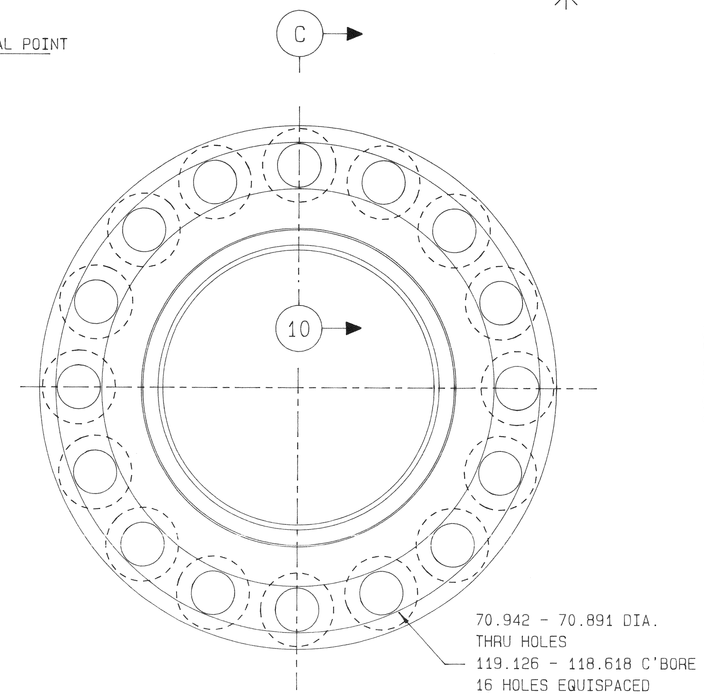
SCALE :- 1:2



SECTION (B-4) (G-9)

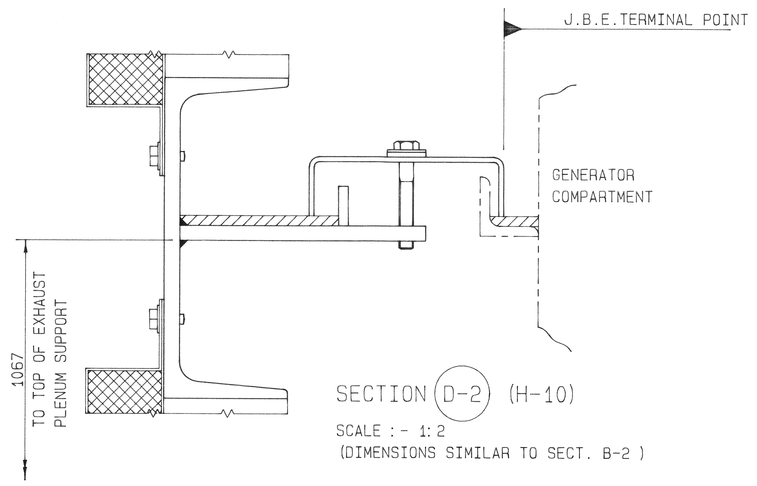
SCALE :- 1:2

(DIMENSIONS SIMILAR TO SECT. B-2)



COUPLING FLANGE

SCALE :- 1:5



SECTION (D-2) (H-10)

SCALE :- 1:2

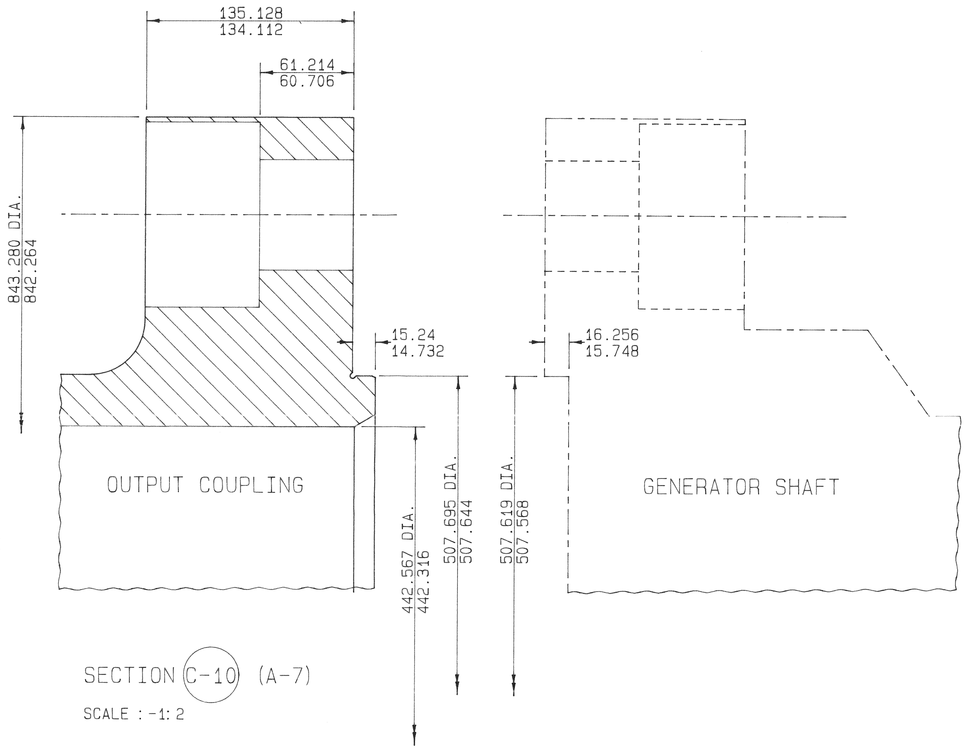
(DIMENSIONS SIMILAR TO SECT. B-2)

AXIAL SHAFT MOVEMENTS AT COUPLING

COLD OFFSET POSITION

TURBINE STARTUP	6.934 EXPECTED	10.338 EXPECTED	STEADY STATE
	7.468 WORST CASE	14.021 EXPECTED	TURBINE SHUTDOWN
		18.161 WORST CASE	

150 OUTPUT COUPLING REMOVAL (SEE DRG.E4795)



SECTION (C-10) (A-7)

SCALE :-1:2

LUB OIL SUPPLY FROM TURBINE TO GENERATOR

OIL TYPE - GEK 32568A HIGH TEMPERATURE LUBRICANT
SUPPLY PRESSURE - 1.724 BarG
SUPPLY TEMP - 55°F COLD STARTUP
- 130°F NORMAL RUNNING
- 165°F HIGH ALARM
- 175°F HIGH ALARM TRIP

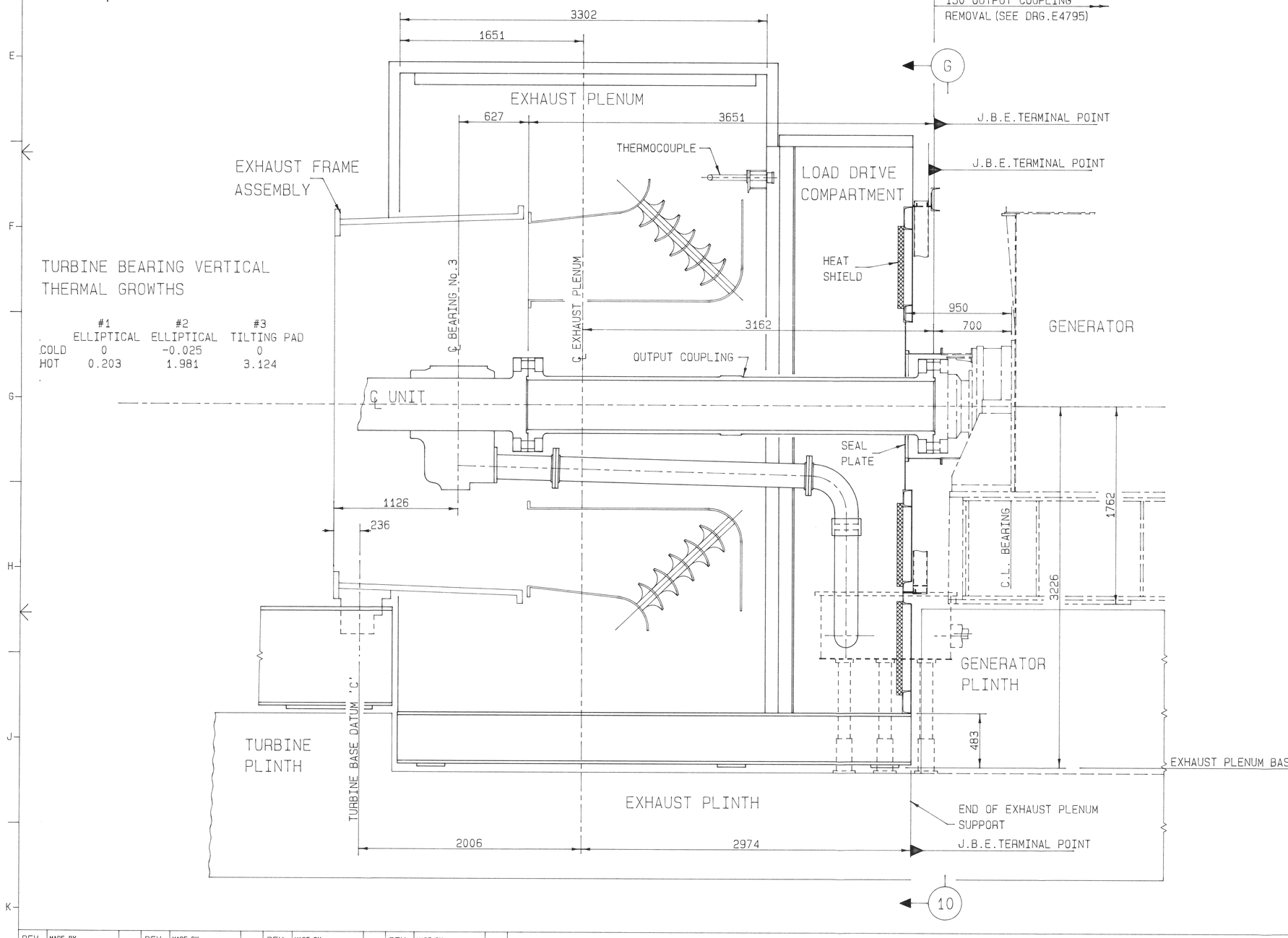
CONNECTIONS :-

THE GENERATOR FEED & RETURN CONNECTIONS TO BE ARRANGED ON BOTH SIDES OF THE GENERATOR BASE TO SUIT HANDING OF TURBINE EXHAUST SYSTEM.

PROVISION IS TO BE MADE TO FIT A TEMPORARY 5 MICRON FILTER IN THE LUB OIL SUPPLY PIPE FOR USE DURING INITIAL COMMISSIONING FOR BEARING PROTECTION

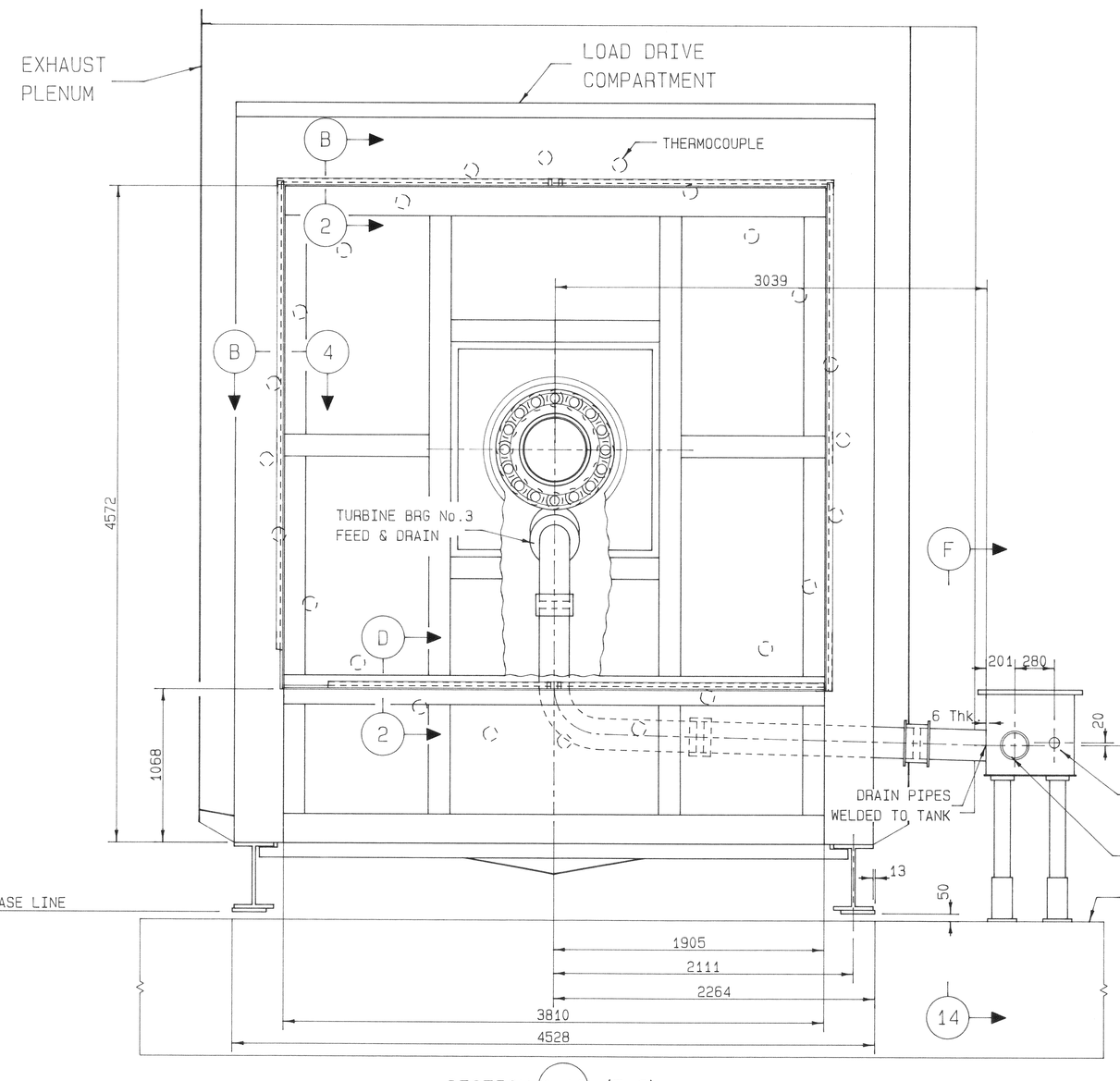
ASSOCIATED DRAWINGS

OUTPUT COUPLING	D2943
ENCLOSURE ASSY LOAD DRIVE COMPARTMENT	T.B.A.
ASSY EXHAUST PLENUM	T.B.A.
EXHAUST FRAME ASSY	103E8215 G41 & G42
TURBINE ROTOR	103E8052 G5
BEARING No3 ASSY	932E341 G4
EXHAUST PLENUM BASE	186C1034 G41
TURBINE BASE FAB & MACH	E11491 G1
LOAD COUPLING INSTALLATION PROCEEDURE	E4795

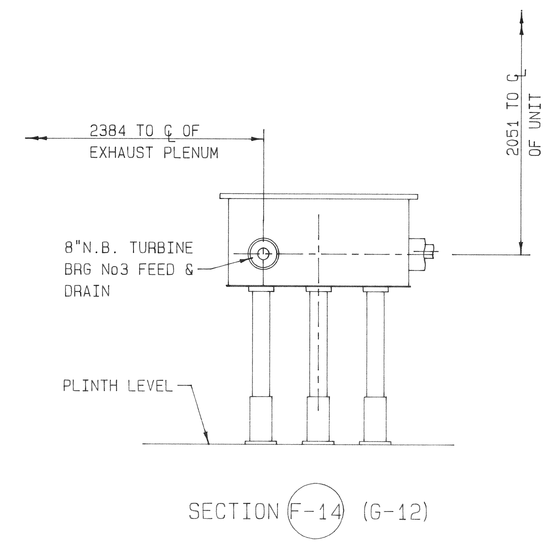


TURBINE BEARING VERTICAL THERMAL GROWTHS

	#1 ELLIPTICAL	#2 ELLIPTICAL	#3 TILTING PAD
COLD	0	-0.025	0
HOT	0.203	1.981	3.124



SECTION (G-10) (E-6)



SECTION (F-14) (G-12)

REV.	MADE BY	REV.	MADE BY	REV.	MADE BY	REV.	MADE BY
	CHKD BY		CHKD BY		CHKD BY		CHKD BY
	APPD BY		APPD BY		APPD BY		APPD BY

HYDRO-ELECTRIC
PETERHEAD GENERATING STATION

CONTRACT No.	DRAWING No.	SHEET No.	REV.
2052600/C01	036/1316/7119	01	00

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

TITLE ARRANGEMENT OF INTERFACE TO LOAD PACKAGE - FRAME 9

Drawn	SP 23/05/90	SIMILAR TO	N/A	SCALE :-	1:20, 1:5, 1:2
Checked	23-5-90	WT IN KGS	N/A	ML SECTION	6647
Approved	24.5.90	DRG NO	0998-6647-006	SHT No	REV
ENGINEERING APPROVAL				1 of 1	
Mech		CONTINUED ON SHEET NO			
Elec					

APOLLO