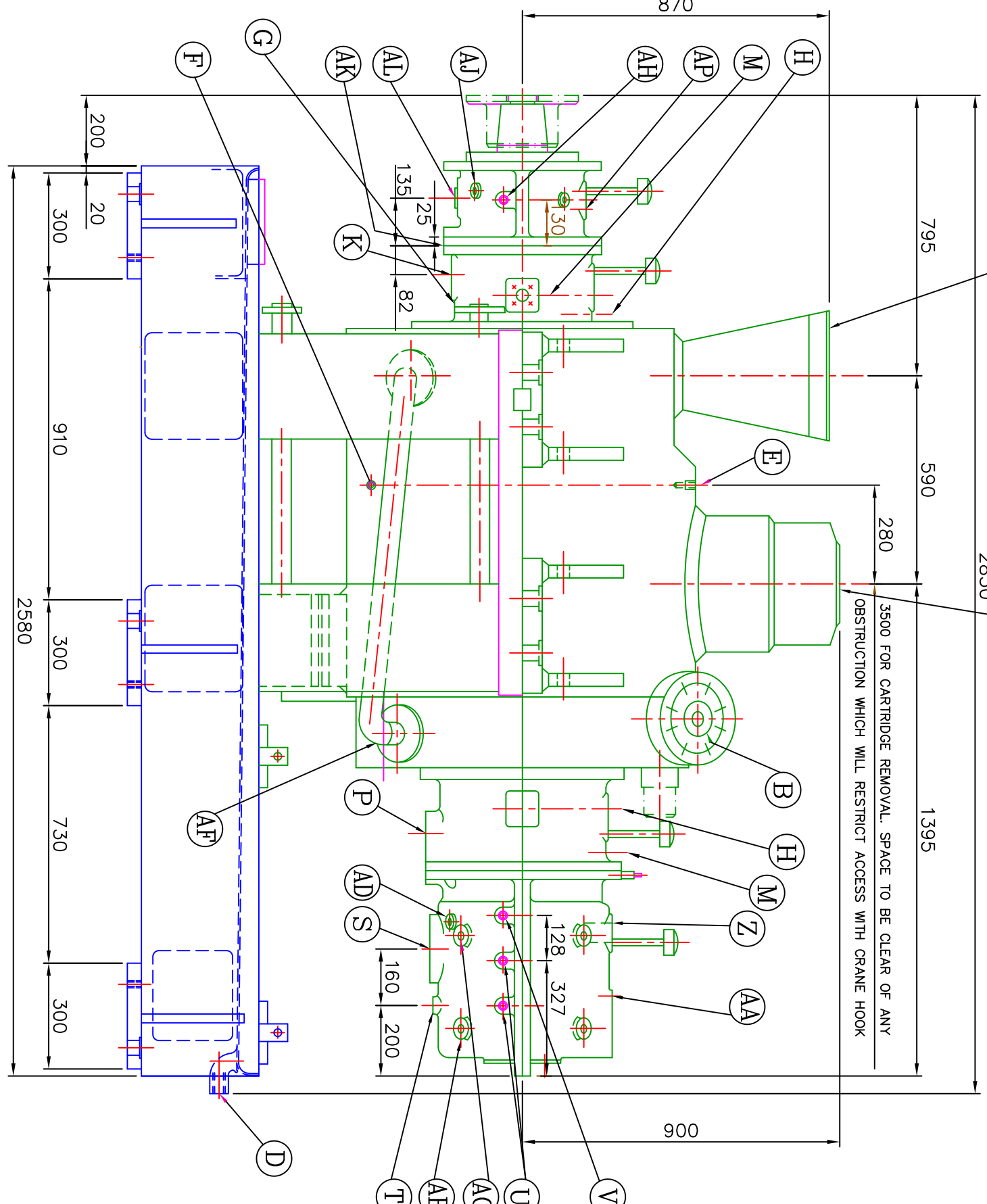


COUNTER FLANGE(ONOS) FOR KICKER STAGE
TAPPING NB 65 RATING ANSI 2500
EDGE PPN REF. NOTE 04

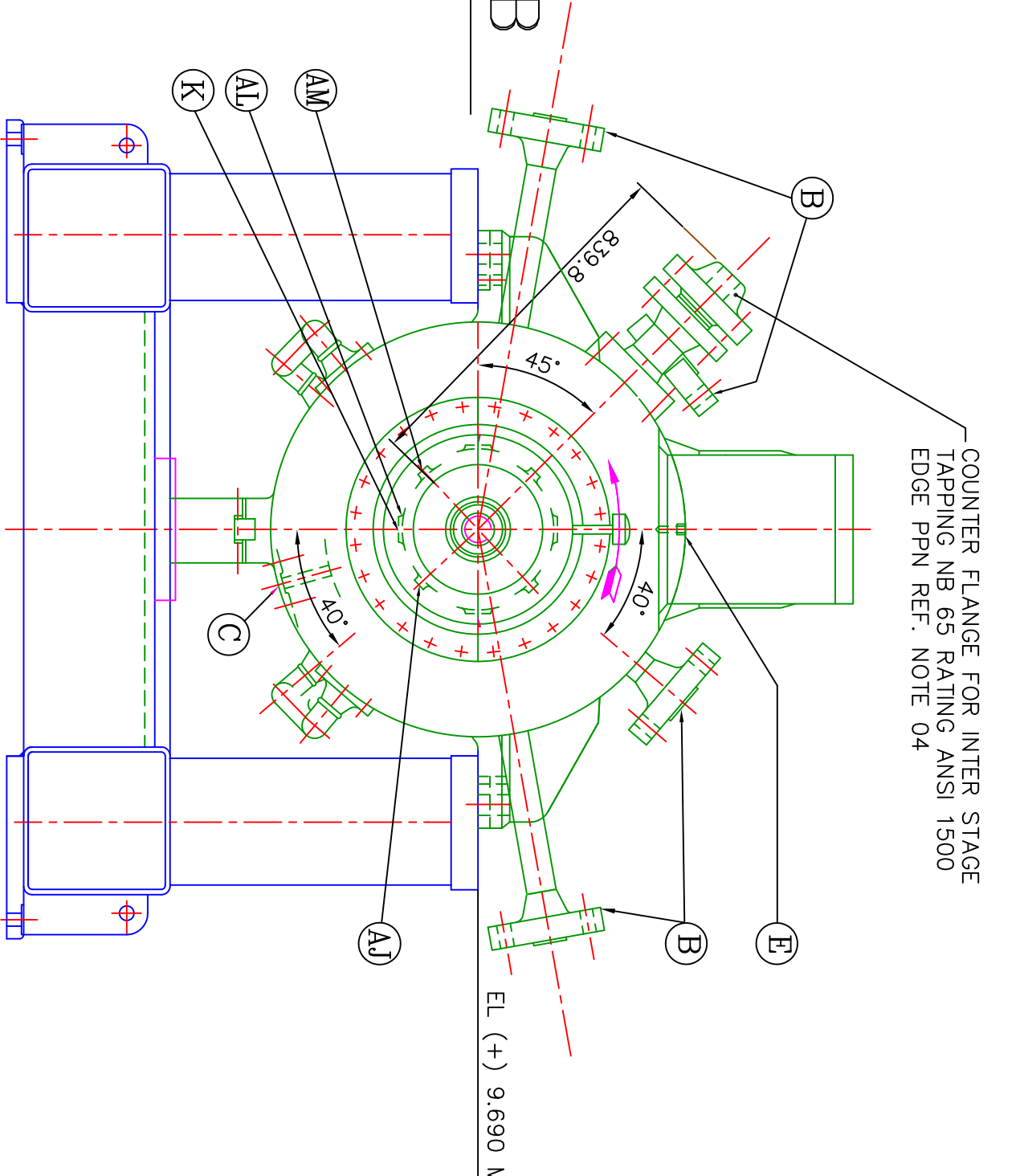
400 NB SUCTION BRANCH
EDGE PPN REF. NOTE 04

350 NB DISCHARGE BRANCH
EDGE PPN REF. NOTE 04

795 590 280 1395 2830
3500 FOR CARTRIDGE REMOVAL SPACE TO BE CLEAR OF ANY
OBSTRUCTION WHICH WILL RESTRICT ACCESS WITH CRANE HOOK

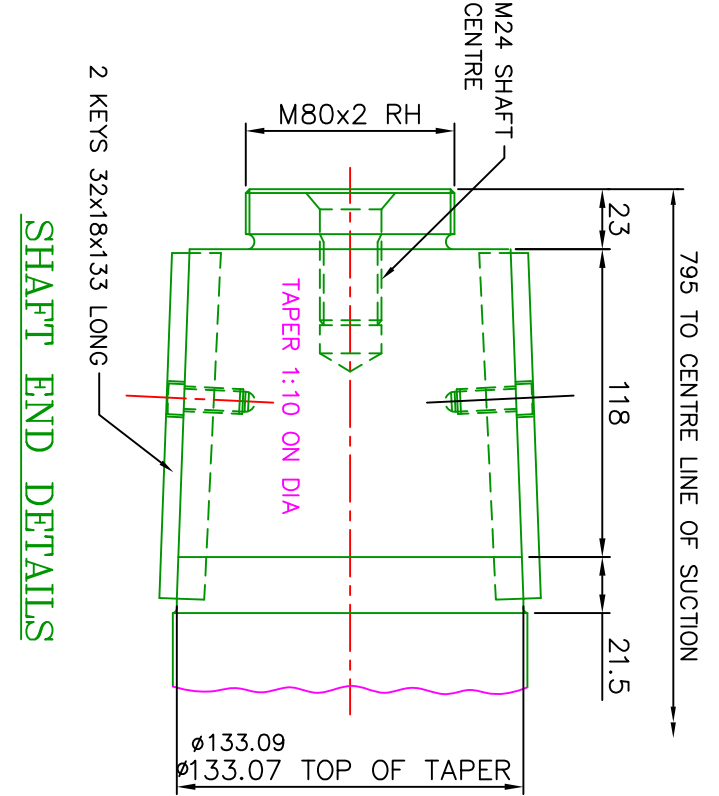


ELEVATION



COUNTER FLANGE FOR INTER STAGE
TAPPING NB 65 RATING ANSI 1500
EDGE PPN REF. NOTE 04

VIEW - A

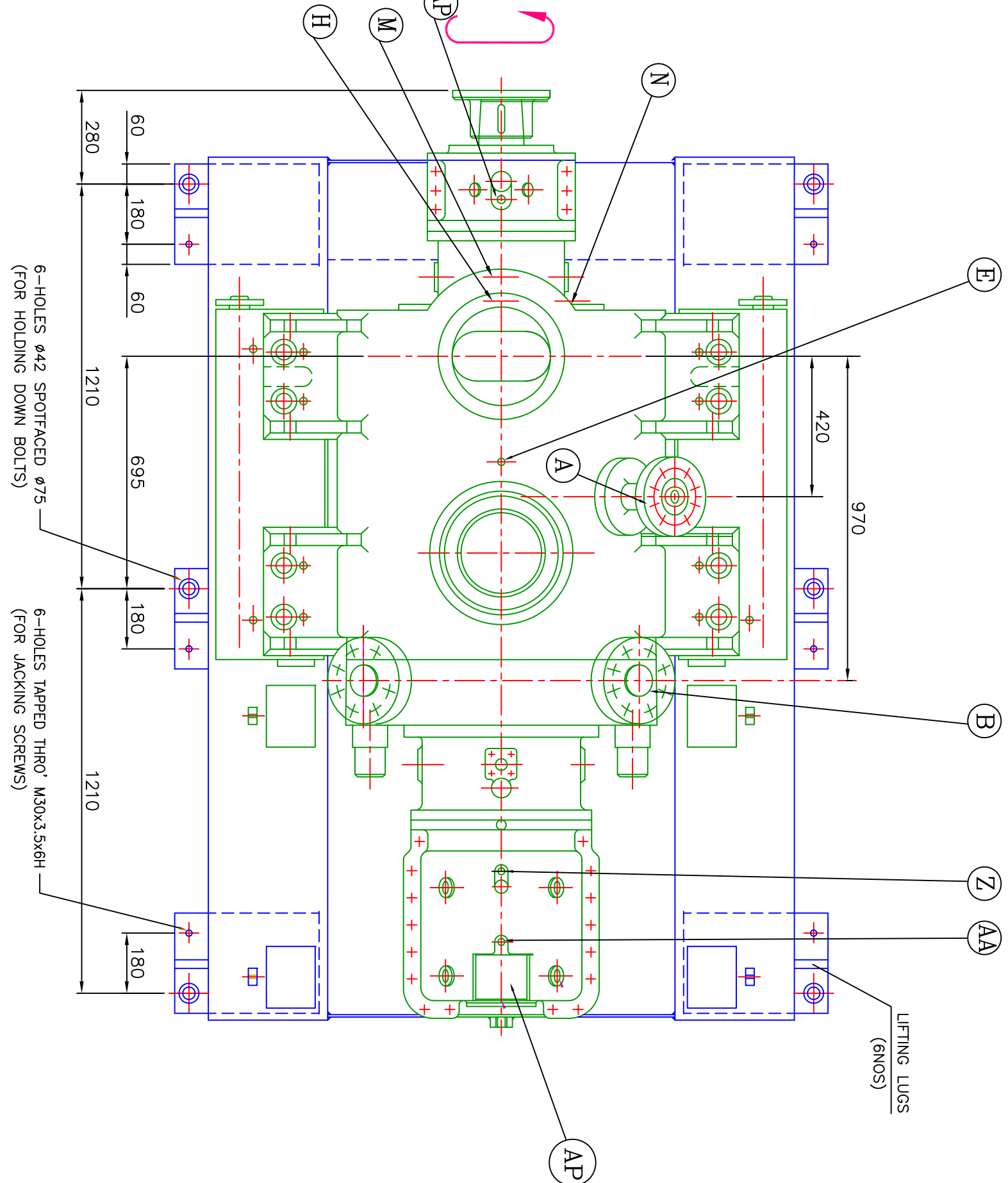


VIEW - B

WEIGHTS
PRESSURE STAGE PUMP - 9480 kg
BASE PLATE - 2,020 kg

NOTE:-

1. GRILLAGE IS NOT SHOWN BELOW BASE PLATE IN THIS DRG.
2. COUNTER FLANGES ARE INCORPORATED IN THE END VIEWS ONLY.
3. VIBRATION PAD TO BE WELDED ON BEARING HOUSING DE SIDE BY 3mm FILLET WELD (PAD & BEARING HOUSING MATERIAL = CARBON STEEL)
4. EDGE PREPARATION FOR BFP SUCTION, DISCHARGE, INTER STAGE AS PER BHEL/PIPING CENTRE DRG. NO.: 3-80-300-19925 & 4-80-300-55240.



PLAN VIEW

NOTE:- DIMENSIONS & LEVELS ARE INFORMATIVE.

AP	MACHINED SPACE FOR MOUNTING VIBRATION PAD	80 X 80 mm MACHINED FACE
AM	JOURNAL BEARING TEMP. DE	TAPPED 1/2" NPT DRILLED 16x94 DEEP TO POINT OF DRILL - 1NO
AL	OIL DRAIN DE JOURNAL	25 NB FLANGE FACING. FLANGE OLD 108 R/F/ACE 519x16HIGH 4-M24x1.75 TAPPED HOLES ON 79.4 P.C.D.EQUI-SPACED OFF CENTERS
AK	DIRTY DRAIN DE	TAPPED 3/4" NPT TAPPING DRILL THRO'
AJ	JOURNAL BEARING TEMP. DE (RTD)	TAPPED 1/2" NPT DRILLED THRO' 113 - 1NO
AH	OIL INLET DE JOURNAL	TAPPED 3/4" NPT DRILLED THRO' 112
AF	BALANCE LEAK OFF PIPE	WN FLANGE 2"(PIPE SIZE 2") - 2 NO
AE	JOURNAL BEARING TEMP. NDE	TAPPED 1/2" NPT DRILLED 16 x 181 DEEP TO POINT OF DRILL -1NO
AD	JOURNAL BEARING TEMP. NDE (RTD)	TAPPED 1/2" NPT DRILLED THRO' 113 TE-123d -1NO
AC	THRUST BEARING TEMP. (RTD)	TAPPED THRO' M20 x1.5 (ELECTRICAL THREAD) -2NO
AB	THRUST BEARING TEMP. (RTD)	TAPPED THRO' M20 x1.5 (ELECTRICAL THREAD) -2NO
AA	THRUST BEARING TEMP. CHECK	TAPPED G1/2"
Z	JOURNAL BEARING TEMP. NDE	TAPPED G1/2"
V	OIL INLET THRUST BEARING	TAPPED 3/4" NPT TAPPING DRILL THRO' 12
U	OIL INLET THRUST BEARING	TAPPED 3/4" NPT TAPPING DRILL THRO' PLUGGED (FOR MAINTENANCE)
S	OIL DRAIN NDE	TAPPED 3/4" NPT TAPPING DRILL THRO' 113x16 8-M16x2.0 TAPPED HOLES ON 190.5 P.C.D. EQUI-SPACED OFF CENTERS ON 146 P.C.D EQUI-SPACED OFF CENTERS ON 146 P.C.D
T	OIL DRAIN NDE THRUST JOURNAL	100 NB FLANGE FACING. FACING O/D 230.8/FACE 157x16 8-M16x2.0 TAPPED HOLES ON 190.5 P.C.D. EQUI-SPACED OFF CENTERS ON 146 P.C.D EQUI-SPACED OFF CENTERS ON 146 P.C.D
P	GLANDWELL DRAIN NDE	76 NB FLANGE FACING. TAPPED 3/4" NPT
N	MECH. SEAL WATER OUTLET	TAPPED 3/4" NPT
M	MECH. SEAL WATER INLET	TAPPED 3/4" NPT
K	GLANDWELL DRAIN DE	140x140 SQUARE FLANGE FACING 4-M16/2 TAPPED EQUI-SPACED OFF CENTERS ON 146 P.C.D
H	JACKET COLLING OUTLET	TAPPED 3/4" NPT
G	JACKET COLLING INLET	TAPPED 3/4" NPT
F	CASING TEMPERATURE RTD(BTM)	TAPPED 1/2" NPT DRILLED 13x206 DEEP TO POINT OF DRILL
E	CASING TEMPERATURE RTD(TOP)	TAPPED 1/2" NPT DRILLED 13x65 DEEP TO POINT OF DRILL
D	BASE PLATE DRAIN	TAPPED 1" NPT
C	CASING DRAIN	65 NB FLANGE FACING ANSI 2500
B	KICKER STAGE OUTLETS(SH SPRAY)	65 NB FLANGE A.N.S.I. 2500
A	INTERSTAGE TAPPING (RH SPRAY)	FLANGE O/D 245x42 THICK R/F/ACE 105x6.2 HIGH HOLES 128 ON 190.5 P.C.D OFF C.S
ITEM	TERMINAL POINT	CONNECTION DETAILS

INVENTORY NO	SIGN. AND DATE	REF. DRG. NO.	COMPUTER FILE NAME :
1 180 005 7425			FP11800057468-00

REV.	DATE	ALTERED	APPRO.	REV.	DATE	ALTERED	APPRO.	REV.	DATE	ALTERED	APPRO.	REV.	DATE	ALTERED	APPRO.	REV.	DATE	ALTERED	APPRO.
		CHECKED				CHECKED				CHECKED				CHECKED				CHECKED	
ZONE				ZONE				ZONE				ZONE				ZONE			
1				3				4				5				6			

1. JOB NO. : 373
2. STATUS : CONTRACT
3. DRG./REF. NO. (INTERNAL)
1 180 005 7425
4. DISTRIBUTION
5. TO
6. No. OF

	THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED 2X500 MW SAGARDIGHI THERMAL POWER EXTENSION PROJECT (UNITS 3 & 4)									
	DEVELOPMENT CONSULTANTS PRIVATE LIMITED KOLKATA									
	BHARAT HEAVY ELECTRICALS LIMITED HYDERABAD									
DEPT. PUMPS	SCALE		WEIGHT (KG)		REF. TO ASS'Y DRG. NO.		ITEM NO.		NO. OF ITEMS	
CODE 410	NTS		NA		NA		NA		NA	
TITLE	DRAWING NO.				REV.					
OUTLINE ARRANGEMENT OF MOTOR DRIVEN B.F.P.										
SHEET NO. : 1 NO. OF SHEETS : 1										
1011										