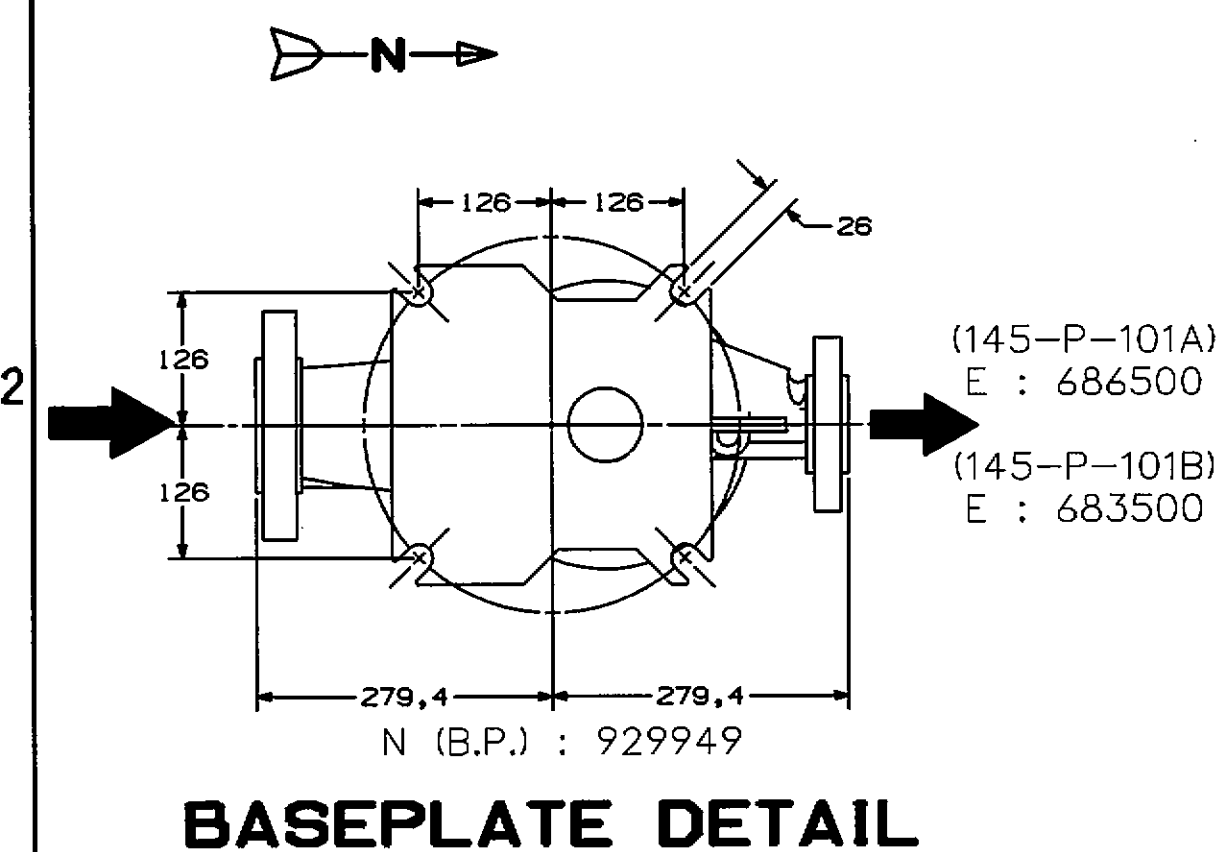
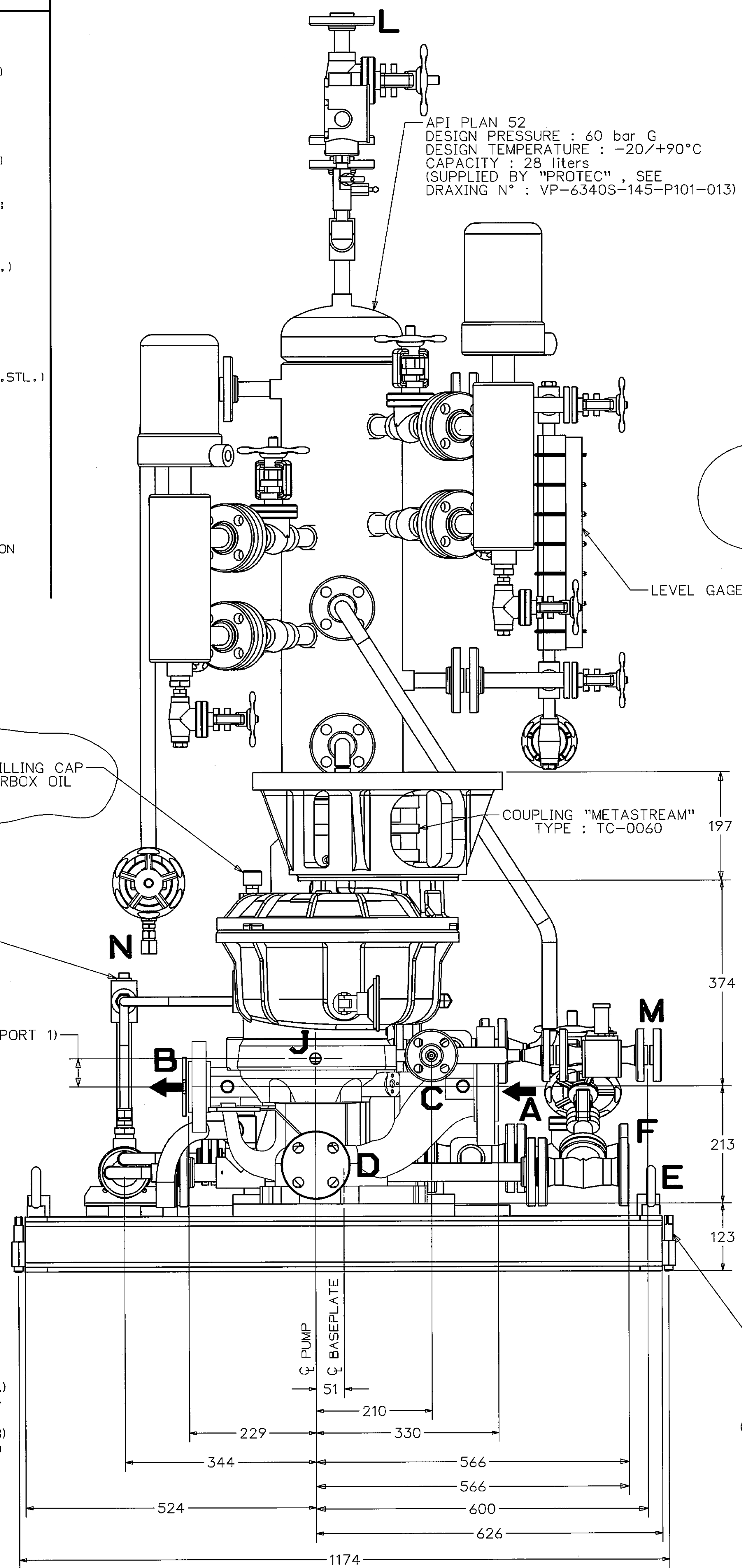
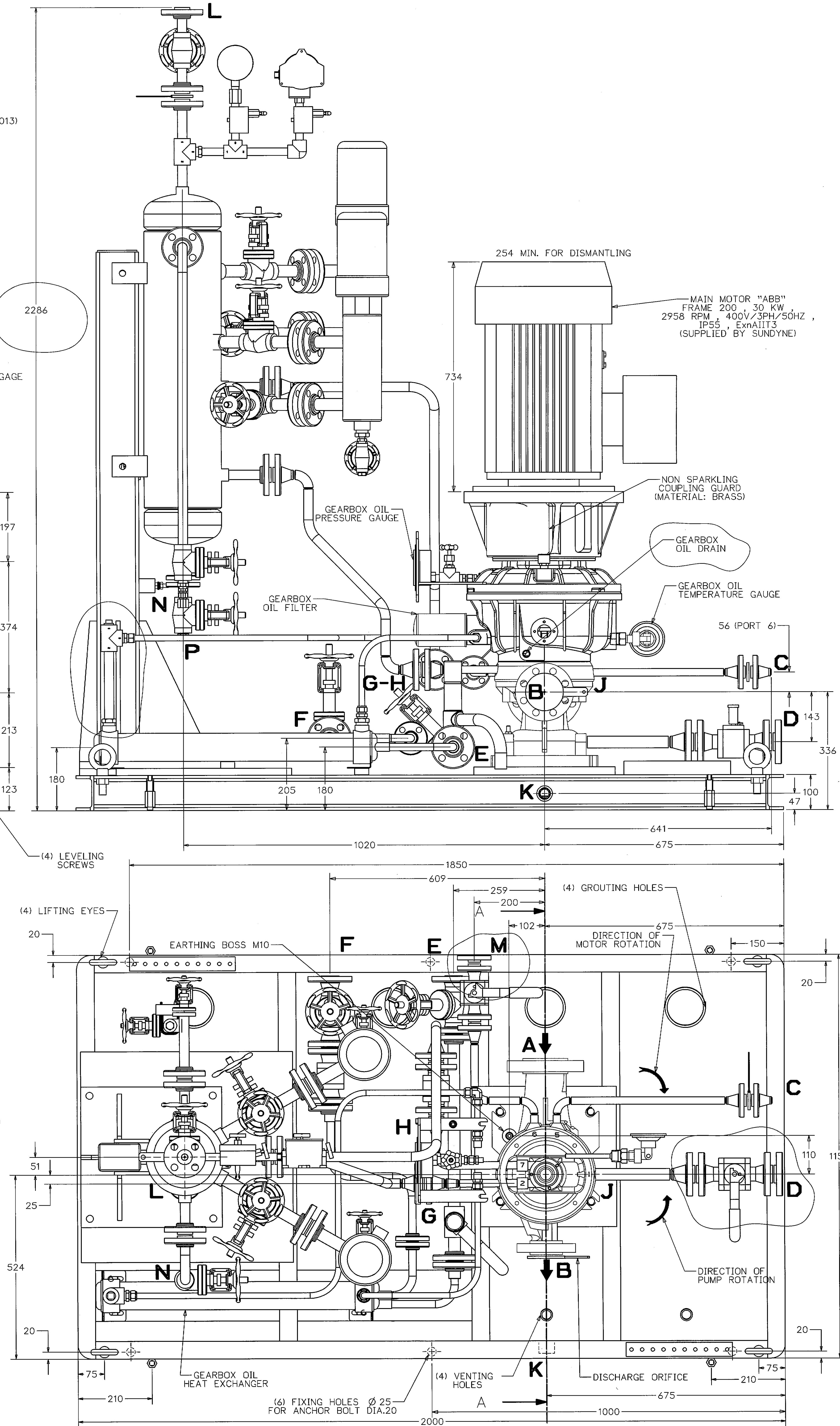
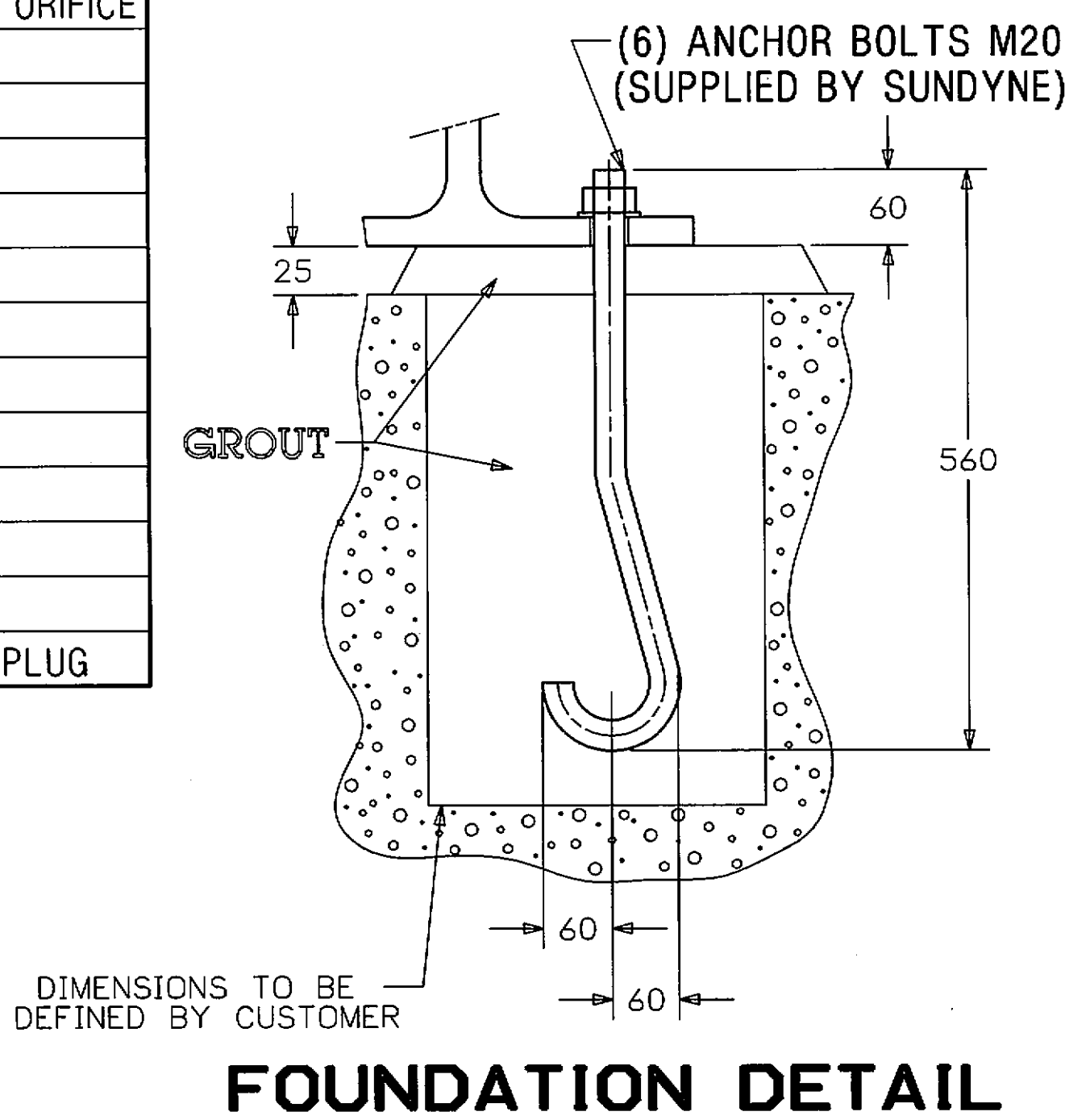
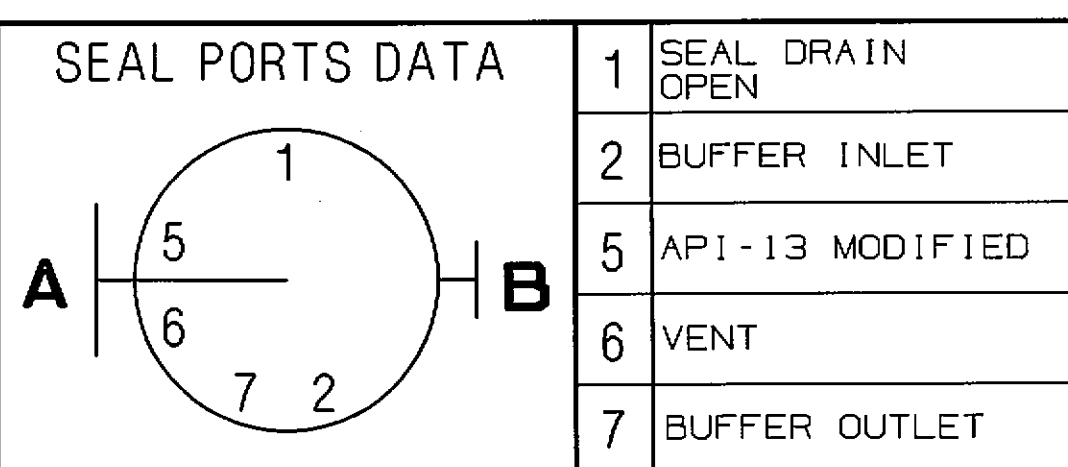


NO	NOTES
1	CASE DRAIN KIT : -CONNECTIONS ARE BUTT WELDED, SCHEDULE 160 -FLANGES & PIPE MATERIAL : STAINLESS STEEL -WELDING PROCEDURES : PN.05.29-06/E, SDJ-02-02 (ST.STL. TO ST.STL.)
2	API PLAN 13 MODIFIED & VENT KITS(PORTS 5 & 6): -CONNECTIONS ARE BUTT WELDED, SCHEDULE 160 -FLANGES & PIPE MATERIAL : STAINLESS STEEL -WELDING PROCEDURES : PN.05.29-06/E, SDJ-02-02 (ST.STL. TO ST.STL.)
3	LIQUID BUFFER INLET & OUTLET KIT (PORTS 2 & 7): -CONNECTIONS ARE BUTT WELDED, SCHEDULE 80 -PIPES ON SEAL RETAINER ARE ONLY SCREWED -FLANGES & PIPING MATERIAL: STAINLESS STEEL -WELDING PROCEDURE: PN.05.29-06/E, SDJ-02-02 (ST.STL. TO ST.STL.)
4	COOLING WATER KIT: -CONNECTIONS ARE SCREWED, SCHEDULE 80 -FLANGES ARE SOCKET WELDED TYPE -FLANGES & PIPING MATERIAL: CARBON STEEL -WELDING PROCEDURE: PN.05.29-02/E, SDJ-02-01 (CARB.STL. TO CARB.STL.)
5	FLANGES FACING FINISH : Ra 3.2-6.3um
6	MAIN MOTOR "ABB" FRAME 200, TYPE : M3GP 200 MLC 2 ExnA11T3 30 KW , 2958 RPM , 400V/3PH/50HZ MOUNTING : IM3011 , V1 (FLANGE) IP55 , ExnA11T3 (SUPPLIED BY SUNDYNE)
7	MECHANICAL SEAL CODE API FLUSH PLANS : PLAN 13 (WITH BACK CONNECTION AT 5 METERS FROM SUCTION FLANGE) & 52



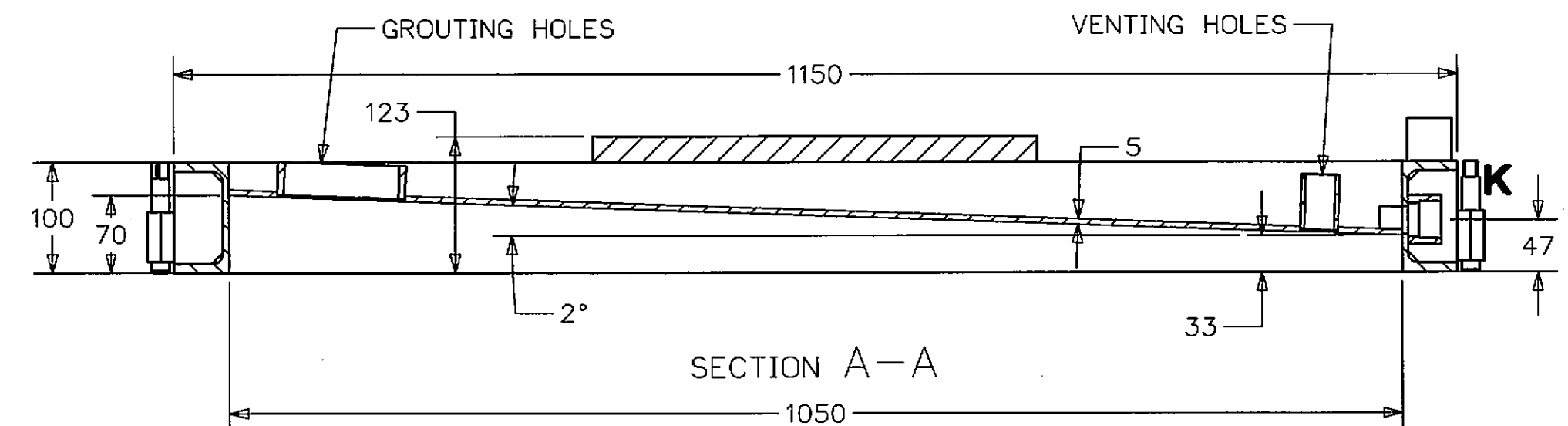
LTR	DESCRIPTION	TYPE/SIZE
A	PUMP SUCTION	FLANGE 3"-600#RF
B	PUMP DISCHARGE	FLANGE 2"-600#RF with DISCHARGE ORIFICE
C	API-13 MODIFIED (PORT 5)	FLANGE 1/2"-600#RF
D	PUMP CASE DRAIN	BLIND FLANGE 1"-600#RF
E	GEARBOX OIL COOLER INLET	GATE VALVE FLANGED 1"-300#RF
F	GEARBOX OIL COOLER OUTLET	GLOBE VALVE FLANGED 1"-300#RF
G	BUFFER FLUID INLET (PORT 2)	FLANGE 3/4"-600#RF
H	BUFFER FLUID OUTLET (PORT 7)	FLANGE 3/4"-600#RF
J	SEAL DRAIN (PORT 1)	1/2"NPT Female (OPEN)
K	BEDPLATE DRAIN	1"NPT Female
L	VENT TO FLARE (API-52)	FLANGE 3/4"-600#RF
M	SEAL VENT (PORT 6)	BLIND FLANGE 1/2"-600#RF
N	FILLING (API-52)	QUICK CONNECTION 1/2" NPT Male
P	DRAIN (API-52)	GATE VALVE 3/4" NPT Female with PLUG



LTR	DEC	REVISIONS	DATE/NAME
1	11087	- MODIFIED ACCORDING TO CUSTOMER COMMENTS	13/01/05 L.G.
2	11207	- MODIFIED ACCORDING TO CUSTOMER COMMENTS	07/12/05 L.G.

WEIGHT TABLE	
FLUID END	: 118 KG
GEARBOX	: 50 KG
ADAPTOR	: 18 KG
COUPLING	: 10 KG
EQUIPMENT	: 45 KG
BEDPLATE	: 265 KG
API-52	: 150 KG
MOTOR	: 305 KG
TOTAL WEIGHT	: 961 KG

MAXIMUM ALLOWABLE FORCES & MOMENTS ON FLANGES OF PUMP CASE						
TWICE TIME VALUES GIVEN IN TABLE 4 PARAGRAPH 5.5.2		10th EDITION OF API-610 PARAGRAPH 5.5		FORCE = N MOMENT = N.M		
FLANGE	F _x	F _y	F _z	M _x	M _y	M _z
SUCTION 3"	2140	2660	1780	1900	940	1440
DISCHARGE 2"	1420	1780	1160	920	460	700



DRAWN: R. GRILLLOT	01-JUN-05	SUNDSTRAND INTERNATIONAL S.A.
ENG.: B. BENUCCI	01-DEC-2005	16.27.30-21604, LONDON/C. Debb
CHKR.: P. SOUDANT	01-DEC-2005	TEL.: 03.80.38.33.00
MFR.: N/A		FAX.: 03.80.38.33.59
SCALE: 1/4		
TITLE: OUTLINE DRAWING FOR		
LMV-322, S/N. D-DB70489-1-A/B		
DIMENSIONS: MILLIMETERS	SIZE	DWG. NO. KT76DF16_OUT
GENERAL TOLERANCES	A0	ORIGINE DWG. NO. : mm-kt76df16_gs
UNIGRAPHICS V18	CAD FILE NO. : pmp\lmv-322\1-d-870489-1-a-b\kt76df16_out.rev0.prt	S/N. D-DB70489-1-A/B

AS BUILT
09 DEC. 2005

OUTLINE DRAWING INFORMATION					
DRAWING NO. : KT76DF16_OUT	SHEET	1	OF	1	REV.
REVISION	2	DATE	07-DEC-05		
CERTIFIED CORRECT		DATE	09 DEC 2005		
CUSTOMER APPLICATION DATA					
SERIAL NO.	D-DB70489-1-A/B				
CUSTOMER ITEM NO.	145-P-101 A/B				
CUSTOMER	MAN FERROSTAL				
P.O. NO.	53405-081001-0017 J				
FINAL USER	OIEC				
LOCATION	TRANS-SOUTH PARS GAS FIELD 9 & 10				
PROJECT	PROPANE TRANSFER PUMPS				

2	07/12/05	MODIFIED ACCORDING TO CUSTOMER COMMENTS	L.G.	L.G.	P.S.	P.S.
1	13/01/05	MODIFIED ACCORDING TO CUSTOMER COMMENTS	L.G.	L.G.	P.S.	P.S.
REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.
SOUTH PARS GAS FIELD DEVELOPMENT PHASES 9 & 10, ASSALUYEH-IRAN ONSHORE FACILITIES						
PROJECT No. : POGC-760-81-156			DOC. CLASS.		SCALE:	
Sundyne			GS E&C		OIEC	
TITLE: OUTLINE DRAWING (145-P-101 A/B)						
DRAWING No. VP-6340S-145-P101-001			SHEET No. 1 OF 1		REV. 2	