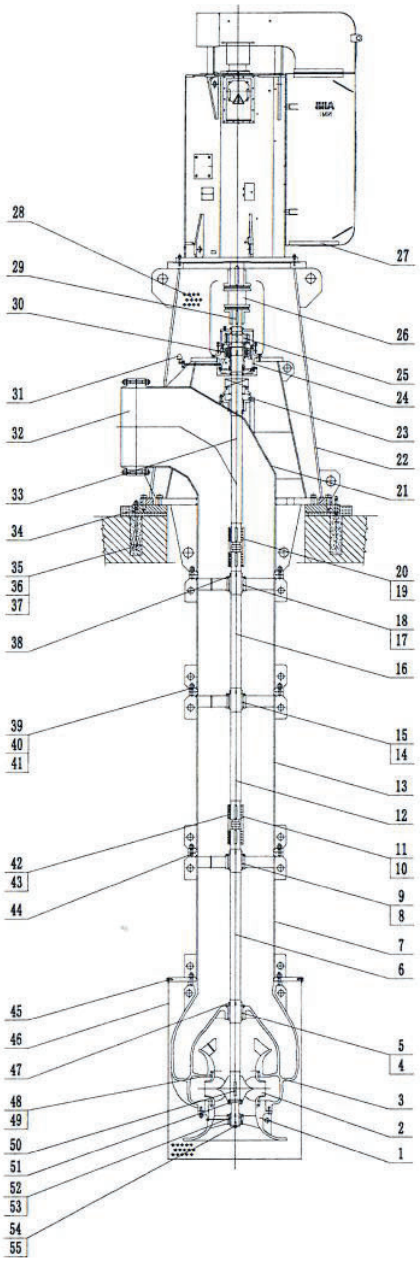


ITEM	DESIGNATION	MATERIAL
55	External Tab Washer	ASTM A276 S31803
54	Screw	ASTM A276 S31803
53	Shaft Sleeve	ASTM A182 Gr.F51
52	Bushing	PEEK
51	Impeller Snap ring	ASTM A182 Gr.F51
50	Key	ASTM A276 S32750
49	Impeller wear ring	ASTM A182 Gr.F51
48	Casing wear ring	ASTM A182 Gr.F51
47	Key	ASTM A276 S32750
46	Strainer	ASTM A276 S31803
45	Screw	ASTM A276 S31803
44	O-ring	FKM
43	Washer	ASTM A276 S31803
42	Screw	ASTM A276 S31803

ITEM	DESIGNATION	MATERIAL
41	Spring Washer	ASTM A276 S31803
40	Nut	ASTM A276 S31803
39	Stud	ASTM A276 S31803
38	Key	ASTM A276 S32750
37	Washer	316L
36	Nut	316L
35	Anchor Bolt	316L
34	Baseplate	ASTM A240 S31603
33	Upper shaft	ASTM A276 S32750
32	Companion Flange	ASTM A182 Gr.F51
31	Oil Cup	Assembly
30	Roller Bearing	Bearing Steel
29	Coupling Key	30Cr13
28	Coupling Guard	AL
27	Electric Motor	
26	Coupling	40CrMo...
25	Reverse Rotation Assembly	Q235A...
24	Bearing casing	ZG230-450
23	Mechanical seal Casing	ASTM A182 Gr.F51
22	Motor Support	Q235A
21	Outlet casing	ASTM A240 S31803
20	Shaft Sleeve	ASTM A182 Gr.F51
19	Bushing	PEEK
18	Shaft Sleeve	ASTM A182 Gr.F51
17	Bushing	PEEK
16	Upper Column pipe	ASTM A240 S31803
15	Shaft Sleeve	ASTM A182 Gr.F51
14	Bushing	PEEK
13	Middle Column pipe	ASTM A240 S31803
12	Middle shaft	ASTM A276 S32750
11	Split ring	ASTM A182 Gr.F51
10	Sleeve couping	ASTM A182 Gr.F51
9	Shaft Sleeve	ASTM A182 Gr.F51
8	Bushing	PEEK
7	Column pipe	ASTM A240 S31803
6	Below shaft	ASTM A276 S32750
5	Shaft Sleeve	ASTM A182 Gr.F51
4	Bushing	PEEK
3	Bowl	ASTM A995 Gr.5A
2	Impeller	ASTM A995 Gr.5A
1	Suction Casing	ASTM A995 Gr.5A

REFERENCE DRAWINGS | No.

GENERAL NOTES

LEGEND

KEY PLAN

REV.	DATE	PURPOSE OF ISSUE	PREP.	CHK.	APPR.
00	Jan.10.2023	FOR APPROVAL	LL	LSP	LZO

OWNER: MOKRAN ABNIROO — Mokran Ab Niroo

MC: AFAGH ENERGY PARS — Afagh Energy Pars CO

CONTRACTOR: V-FLO — Delta Offshore Technology

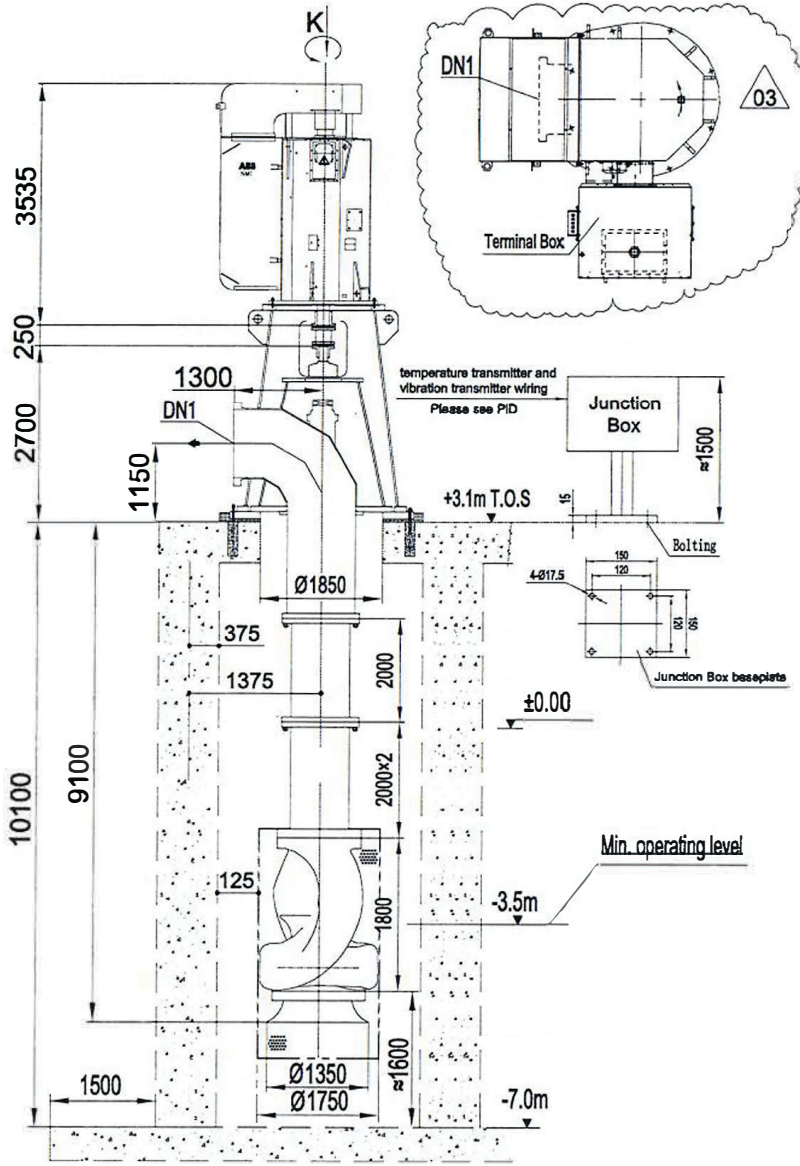
PROJECT TITLE: Sea Water Intake of MOKRAN Petrochemical Complex-Phase I

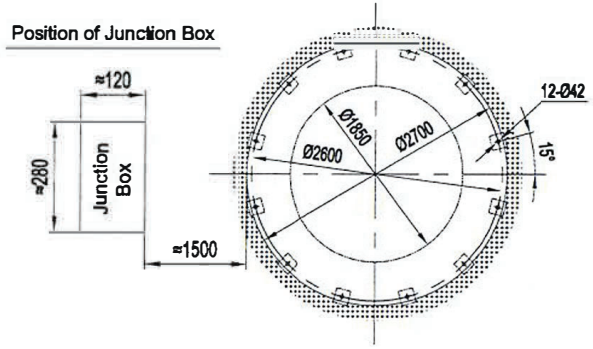
DRAWING TITLE: CS Drawings with Pump part numbers and materials

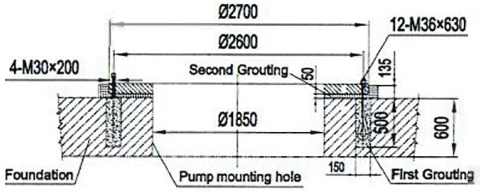
DEL PROJ. NO.: 41 | SC.: VAH

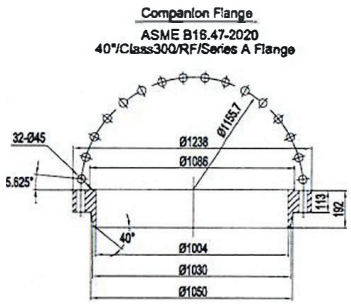
DOCUMENT No.: MAN-DEL-4101-DD-MA-DWG-0218 | SIZE: A3

Owner	Cont.	Unit-Sub Unit No.	Phase	Dis.	Doc.	Seq.	Rev.	SHEET NO.
MAN	DEL	4101	DD	MA	DWG	0218	00	1 OF 1









REFERENCE DRAWINGS | No.

GENERAL NOTES

LEGEND

KEY PLAN

REV.	DATE	PURPOSE OF ISSUE	PREP.	CHK.	APPR.
03	Sep.27.2023	FOR APPROVED	LL	LSP	LZD
02	Feb.13.2023	FOR APPROVED	LL	LSP	LZD
01	Dec.13.2022	FOR APPROVED	LL	LSP	LZD
00	Nov.26.2022	FOR ISSUED	LL	LSP	LZD

OWNER: MOHRAN ABNIROO — Mohran Ab Niroo

MC: AFAGH ENERGY PARS — Afagh Energy Pars CO

CONTRACTOR: V-FLO — Delta Offshore Technology

PROJECT TITLE: Sea Water Intake of MOHRAN Petrochemical Complex- Phase I

DRAWING TITLE: GA drawing (including pump & driver)

DEL PROJ. NO.: 41 | SC.: 1:40

DOCUMENT No.: MAN-DEL-4101-DD-MA-PLP-0220-00 | SIZE: A3

Owner	Cont.	Area no.	Phase	Dis.	Doc.	Seq.	Rev.	SHEET NO.
MAN	DEL	4101	DD	MA	PLP	0220	03	1 OF 1