

## GENERAL NOTES:

- 1. FOR SYMBOLS, GENERAL NOTES, SEE DRAWING NO. 50489-530-020-PID-1104.001 AND 50489-530-020-PID-1104.002.
- 2. CASING VENT IS ROUTED TO BASE PLATE.
- 3. HARD PIPING IS PROVIDED FOR ALL FILTER DRAINS. ONLY "Y" AND DUPLEX TYPE STRAINERS SHOWN FOR CLARITY.
- 4. BLOCK VALVE TO BE INSTALLED HORIZONTAL.
- 5. LOW PRESSURE DROP CHECK VALVE REQUIRED.
- 6. THE COLLECTOR FOR HANDLING OIL SPILLAGE IN THE PUMP BASEPLATE IS PROVIDED. THIS COLLECTOR IS PROVIDED FOR EACH PUMP.
- 7. FIRST DRAIN ISOLATION VALVE ARE FITTING TO FITTING. (MINIMUM DISTANCE) FROM HEADER OR PIPE TO REDUCE DEAD LEG CORROSION.
- 8. DRAIN PIPES FROM DRIPTRAY & TUNDISHES ARE PROVIDED WITH LIQUID SEAL (MINIMUM SEAL HEIGHT 150mm).
- 9. AT SPEC BREAK, MATERIAL DOWNSTREAM SPECIFICATION IS AS PER THE DRAIN PIPING CLASS,
- WHEREVER APPLICABLE.

10. DELETED.

- 11. FOR SELF VENT HORIZONTAL CENTRIFUGAL PUMPS (G-103A/B/C & G-203A/B/C) CASING VENT CONNECTIONS ARE NOT REQUIRED.
- 12. INSULATION KIT IS PROVIDED FOR DISSIMILAR METAL FLANGE JOINTS AND AT METALLIC PIPING UG-AG INTERFACE.
- 13. FOR PUMP DRAIN & VENT LINE NUMBER, REFER TO PID-1108.005.
- 14. DRAIN LINE OF CHEMICAL TRANSFER PUMP RUNNING 600 mm DEEP IN RCC (REINFORCED
- CONCERETE CEMENT) COVERED TRENCH, REFER PID-1211.002. 15. PUMP DRAIN OF FIRE WATER, BRACKISH WATER & POTABLE WATER SERVICE IS NOT
- CONNECTED TO CLOSED NETWORK (DD) AND DRAIN VALVE IS PROVIDED WITH BLIND FLANGE.
- 16. BEFORE OPERATION OF DRAIN VESSEL PUMP, AUTO GREASING SHALL START FOR ~1.5 min AS BELOW a). AUTO START GREASING BEFORE THE DRAIN PUMP REMOTE START.
- b). AUTO RE-START GREASING AFTER EVERY 20 min DRAIN PUMP CONTINUOUS RUN.
- c). MANUAL START/STOP GREASING BY DCS HAND SWITCH FOR MAINTENANCE/LOCAL START OF DRAIN PUMP.



## **AS-BUILT** LARSEN & TOUBRO LIMITED VAIBHAV VERMA **DESIGNATION:** SIGNATURE DATE: 28-Nov-2018 DEPT/ DIVISON: ENGINEERING

			100 h	Bh	Par	- VI.		
	Z1	ISSUED FOR AS-BUILT	BAK/AKG	AKG	SRA	RAK	28.11.18	
	Z0	ISSUED FOR AS-BUILT	BAK/AKG	AKG	SRA	RAK	24.09.18	
	01	ISSUED FOR CONSTRUCTION	BAK/AKG	AKG	SRA	RAK	06.01.17	
	0	ISSUED FOR CONSTRUCTION	PAK/ABY	AKG	SRA	RAK	28.04.16	
	D	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AKG	SRA	RAK	05.01.16	
	С	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AKG	SRA	RAK	28.10.15	
(	0C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AKG	SRA	RAK	08.09.15	
	В	ISSUED''INCORPORATED CLIENT COMMENTS" PREVIOUS DWG. NO. 50489-530-020-PID-1109.001	JSI/VSA	AKG	SRA	RAK	20.01.15	
	Α	ISSUED FOR APPROVAL	JSI/VSA	AKG	SRA	RAK	24.11.14	
F	REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE	
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	CONTRACTOR REVISION							

CONTRACTOR REVISION



CONTRACTOR DETAILS:-

LARSEN & TOUBRO LIMITED FARIDABAD

NEW GATHERING CENTRE GC-30 IN NORTH KUWAIT

DOCUMENT TITLE:-

PIPING & INSTRUMENTATION DIAGRAM STANDARD DRAWING (PUMP DETAIL)

PROJECT NO.	DRAWING NO.					
	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV.		
TT1000	50489-530-020-PID-1108.004	Z1				
	SHEET NO. 4 OF 10		SHEET NO.			
EF1902	COMPANY DRG. NO.	REV.				
	EF1902-530-DC0-PID-0109.001	A1				
	SHEET NO.					