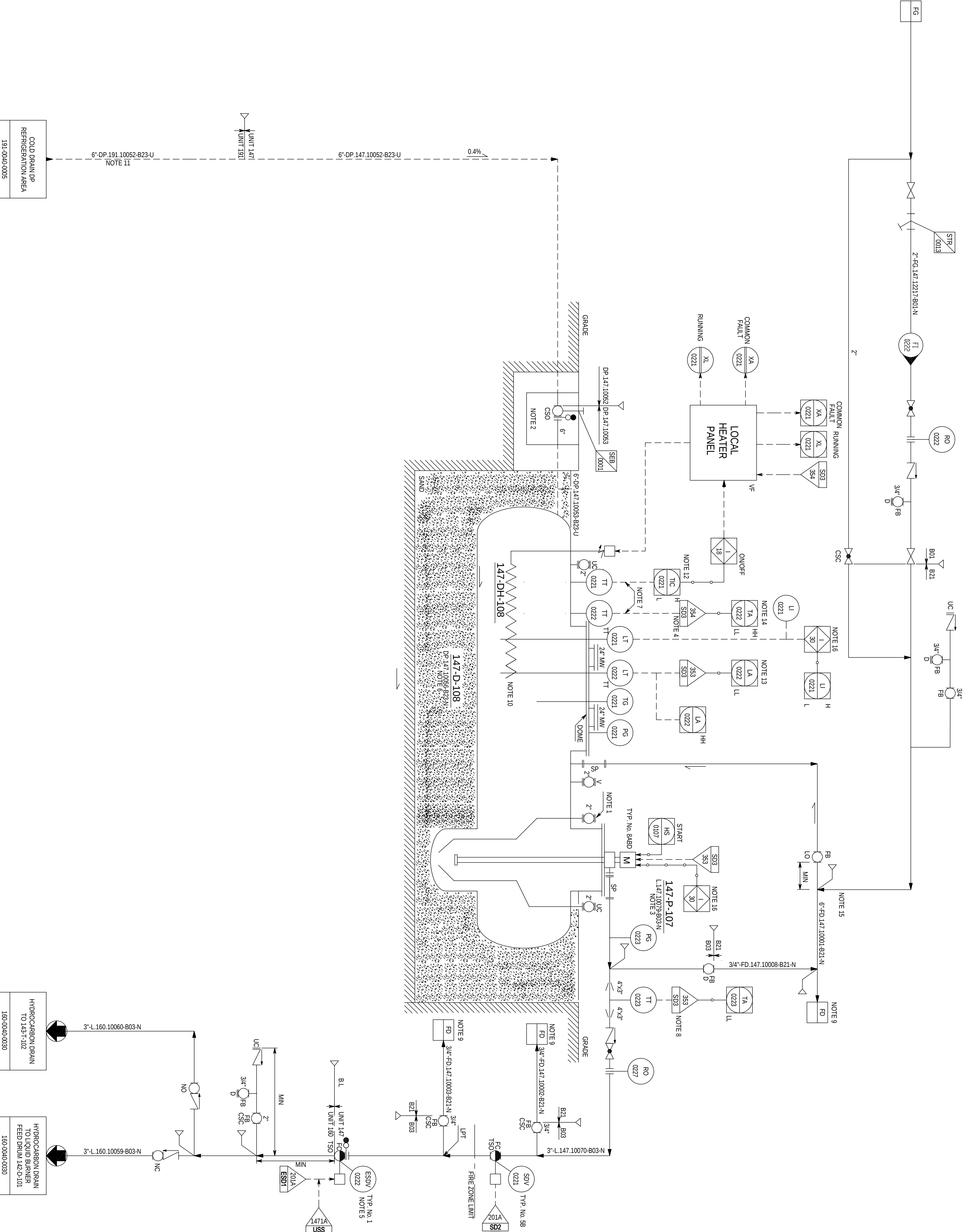


ITEM 147-DH-108
SERVICE DRAIN DRAIN HEATER
DUTY 25 kW

ITEM 147-D-108
SERVICE REFRIGERATION AREA DRAIN DRUM
ID x I L T L 3000 mm x 7000 mm
CAPACITY 3.5 barg
DESIGN PRESS. 3.5 barg
DIFF. PRESS. N
INSULATION N
Mn: -44 °C/Max: 95 °C

ITEM 147-P-107
SERVICE REFRIGERATION AREA DRAIN DRAIN PUMP
TYPE SLUMP PUMP
CAPACITY 15.5 m³/h
DIFF. PRESS. 6.2 bar
ABSORBED 5.9 kW
POWER



COLD DRAIN DP
REFRIGERATION AREA
191-0040-0005

HYDROCARBON DRAIN
TO L457-102
180-0040-0030

HYDROCARBON DRAIN
TO LIQUID BURNER
FEED DRAIN 142-D-101
180-0040-0030

REV	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	AUTH.
1	26/10/07	ISSUED FOR INCH	WP	RI	AB	RPV	MS
2	01/02/08	APPROVED FOR DESIGN	WP	RI	AB	RPV	MS
3	15/DEC/2008	ISSUED FOR COMMENT	IDRO	NA	NZ	MF	AKH
4	10/JAN/2010	ISSUED FOR APPROVAL	IDRO	AD	AD	MF	AKH
5	07/DEC/2010	APPROVED FOR CONSTRUCTION	IDRO	NA	NS	MF	AKH
6	24/SEP/2014	APPROVED FOR CONSTRUCTION	IDRO	RT	GS	GS	MD

SOUTH PARS GAS FIELD DEVELOPMENT - PHASES 17 & 18, ASSALUYEH - IRAN
ONSHORE FACILITIES

PROJECT NO.: PDGC-84-801-244
DOC. CLASS: 1
SCALE: N/A

DATE: 24/SEP/2014
BY: IDRO
CHKD: OIBC

FD PD-1718-191-0040-0004
PD-1718-191-0040-0005

FD PD-1718-191-0040-0004 (SHEET 2 OF 2)

EQUIPMENT LIST	
DRUM	PUMP
147-D-108	147-P-107

UTILITY PID NUMBER	

FOR CONSTRUCTION

NOTES

- ONE UC IS USED TO FLUIDISE THE BOTTOM WHILE THE OTHER IS USED FOR EMPTING BY MOBILE SYSTEM.
- VALVE P.T. VALVE TO BE FITTED WITH EXTENDED SPINDLE FOR EASE OF ACCESSIBILITY.
- PUMP IS OPERATED MANUALLY BY OPERATOR.
- PERMISSIVE REQUIRED TO START 147-P-107 TO PREVENT CRYOGENIC LIQUID BEING PUMPED.
- DISTANCE BETWEEN ESDV AND HAZARDOUS EQUIPMENT IN THE FIRE ZONE SHOULD CONFORM TO THE RESULTS OF THE CONSEQUENCE ANALYSIS (REF. DOC. NC-1718-999-1900-0001). IF NOT PRACTICABLE, THE MINIMUM DISTANCE SHALL BE 15 M FROM UNIT EDGE AND THE ESDV AND ASSOCIATED PIPING SHALL BE PROTECTED.
- VESSEL RECEIVES DRAINS FROM EQUIPMENT AND PIPING IN REFRIGERATION AREA.
- THERMOCOUPLES SHOULD BE INSTALLED ON THE VESSEL.
- DOME.
- PUMPS TO BE SUITABLE MECHANICALLY FOR CRYOGENIC TEMPERATURES.
- 46 °C DESIGN TEMP. TAO22LL STORES DRAIN PUMP.
- CONNECTED EITHER TO PHASE 17 OR 18.
- HEATER WITHDRAWAL TO BE CONSIDERED IN P.T. DESIGN.
- DELETED.
- TT0221H STORES DRAIN DRAIN HEATER TT0221L STARTS DRAIN DRUM HEATER.
- LA0222LL STORES DRAIN PUMP.
- LL IS AN ALARM FUNCTION ONLY AND DOES NOT INITIATE A TRIP ACTION.
- TOP OR SIDE CONNECTION.
- PUMP WILL BE STOPPED AUTOMATICALLY BY LA-0221.

GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:
LETTERS NUMBERS
147I FFF NNNN