

GENERAL NOTES:

A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.

C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-.

D. FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS

. FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENT: PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.

. Drawing numbers shown in P&ID continuation boxes are abbreviated showing drawing sequential

NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.

H. DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.

K. FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.

SUCH THAT ONE RELIEF VALVE IS ALWAYS ON LINE AT ANY TIME.

7. THREE TRANSMITTERS FOR PAHH ARE PROVIDED. ESD SYSTEM OPERATES WITH 2 OUT OF 3 VOTING BASIS. THIS APPLIES TO ESD FOR THE CRUDE FROM WET MANIFOLD.

8. VALVE IS SIZED FOR THE PROPER CAGE AND TRIM TO PREVENT FLASHING AND REDUCE NOISE.

INSTALLATION OF OIL PHASE WEIR IF 2 PHASE SEPARATOR TO BE USED AS A 3 PHASE SEPARATOR. WEIR LOCATION AND HEIGHT ARE FIXED AS FOLLOWS:

VANE PACK AND DEMISTER DEVICE TO ARREST 10 MICRONS AND LARGER FROM THE GAS STREAM.

SUPPORT LINE FOR 3-PHASE FLOW (SLUG FLOW) DOWNSTREAM OF CONTROL VALVE STATION.

18. LIQUID CARRY OVER POT TO BE LOCATED IN HORIZONTAL STRAIGHT RUN PIPE,

WITH MINIMUM 10D STRAIGHT UPSTREAM, TO ENSURE SATISFACTORY OPERATION.

19. INTERNALS ARE EASILY REMOVABLE FOR MANUAL CLEANING THROUGH MANHOLE.

21. ALL BLOWDOWN VALVES ARE SUPPLIED WITH A DEDICATED INSTRUMENT AIR ACCUMULATOR.

25. CHEMICAL INJECTION POINT ARE LOCATED AS NEAR AS POSSIBLE FROM THE GAS OIL OUTLET

27. SEPARATOR IS DESIGNED FOR THREE PHASE SEPARATION BUT OPERATED FOR TWO PHASE SEPARATION. SEPARATOR IS SIZED FOR A SLUG VOLUME OF 36.3 m3 & 6.9 m3 FOR 2 PHASE &

28. WATER OUTLET CONNECTION PROVIDED FOR FUTURE THREE PHASE FLOW OPERATION.

37. TRI-COCK CONNECTION PROVIDED FOR INTERFACE LEVEL CALIBRATION FOR THREE

38. FE 3013 ARE 2x50% AND ARE SUITABLE FOR OIL IN WATER TWO PHASE FLOW.

39. VALVES CONNECTED TO NOZZLES J4A/B, J5A/B, J6A/B, J9A/B, J10A/B, J14A/B & J15A/B ARE TO BE

41. CC & CP ARE INSTALLED AT MINIMUM DISTANCE OF 10D (DIAMETER OF PIPE) FROM

BAK/SSI AKG | SRA | RAK | 01.09.18 SRA | RAK | 28.11.16 BAK/SSI AKG | SRA | RAK | 25.05.16 HSH/PRS AKG | SRA | RAK | 11.03.16 ISSUED INCORPORATED CLIENT COMMENTS HSH/VSA D | ISSUED INCORPORATED CLIENT COMMENTS | BAK/VSA | AKG | SRA | RAK | 07.01.16 AKG | SRA | RAK | 23.10.15 ISSUED INCORPORATED CLIENT COMMENTS BAK/VSA OC ISSUED INCORPORATED CLIENT COMMENTS BAK/VSA SRA | RAK | 30.05.15 | SRA | RAK | 11.02.15 B ISSUED INCORPORATED CLIENT COMMENTS BAK/VSA AKG AKG | SRA | RAK |29.11.14 DRAWN CHECKED HOD PEM APPRD.



LARSEN & TOUBRO LIMITED

NEW GATHERING CENTRE GC-30

PIPING & INSTRUMENTATION DIAGRAM LP WET CRUDE SEPARATOR (C-301) TRAIN C

REV. KOC DRG. NO. SHEET NO.