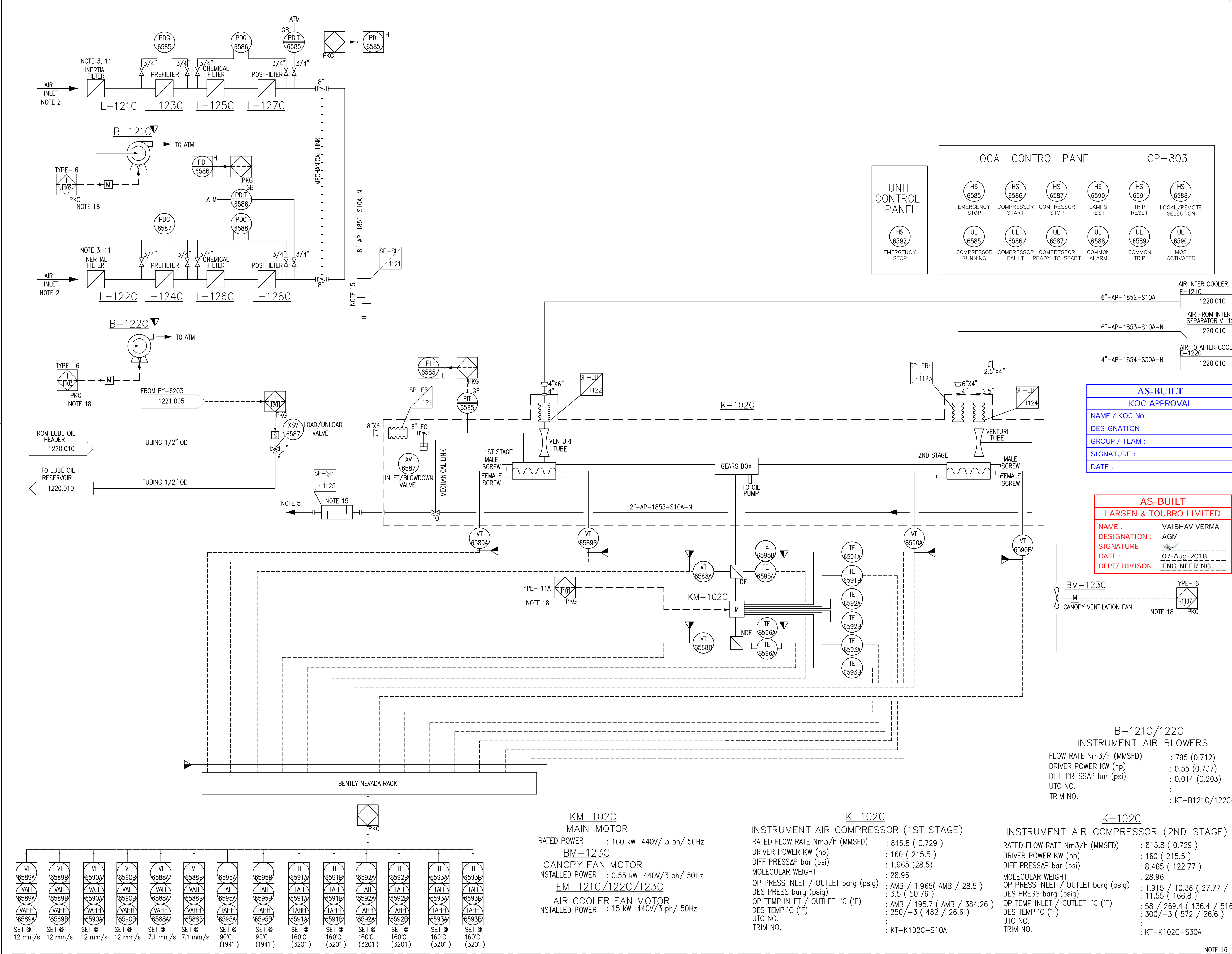


<b>L-121C/122C</b> INERTIAL FILTERS	<b>L-125C/126C</b> CHEMICAL FILTERS	<b>L-123C/124C</b> PRE FILTERS	<b>L127C/128C</b> POST FILTERS
CAPACITY Nm3/h (MMSFD) : 815.8 ( 0.729 )	CAPACITY Nm3/h (MMSFD) : 815.8 ( 0.729 )	CAPACITY Nm3/h (MMSFD) : 815.8 ( 0.729 )	CAPACITY Nm3/h (MMSFD) : 815.8 ( 0.729 )
ID mm (ft.-in) : N/A	ID mm (ft.-in) : N/A	ID mm (ft.-in) : N/A	ID mm (ft.-in) : N/A
LENGTH /T mm (ft.-in) : N/A	LENGTH /T mm (ft.-in) : N/A	LENGTH /T mm (ft.-in) : N/A	LENGTH /T mm (ft.-in) : N/A
OP PRESS / DES PRESSURE barg (psig) : ATM / 0.5 (7.25 )	OP PRESS / DES PRESSURE barg (psig) : ATM / 0.5 (7.25 )	OP PRESS / DES PRESSURE barg (psig) : ATM / 0.5 (7.25 )	OP PRESS / DES PRESSURE barg (psig) : ATM / 0.5 (7.25 )
OP TEMP / DESIGN TEMP °C (°F) : AMB / 55 / -3 ( AMB / 131 / 26.6 )	OP TEMP / DESIGN TEMP °C (°F) : AMB / 55 / -3 ( AMB / 131 / 26.6 )	OP TEMP / DESIGN TEMP °C (°F) : AMB / 55 / -3 ( AMB / 131 / 26.6 )	OP TEMP / DESIGN TEMP °C (°F) : AMB / 55 / -3 ( AMB / 131 / 26.6 )
UTC NO. :	UTC NO. :	UTC NO. :	UTC NO. :
TRIM NO. : L121C/122C-S10A	TRIM NO. : L125C/126C-S10A	TRIM NO. : L123C/124C-S10A	TRIM NO. : L127C/128C-S10A

NOTE 16,



- GENERAL NOTES:**
- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
  - B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-.
  - C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-.
  - D. FOR TYPICAL INSTRUMENT CONNECTION, SBOV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
  - E. FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.
  - F. 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.
  - G. FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
  - H. DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
  - I. PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
  - J. LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
  - K. FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
  - L. FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

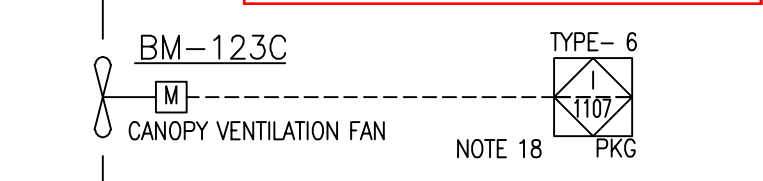
- NOTES:**
- 1. ALL THE DRAINS FROM THE COMPRESSOR PACKAGE/VESSELS ARE COMBINED INTO A COMMON HEADER AND ROUTED TO THE NEAREST SWALE/STAKAWAY.
  - 2. AIR INTAKE FILTER MOUNTED AT SAFE LOCATION, AWAY FROM HYDROCARBONS.
  - 3. AIR INTAKE IS CAPABLE OF REJECTING SAND, 100 % REMOVAL OF ALL PARTICLES LARGER THAN 1 MICRON.
  - 4. PACKAGE INCLUDES AFTER/INTERCOOLERS, MOISTURE SEPARATORS AND ALL NECESSARY INSTRUMENTATION AND CONTROLS. ALL COOLING BY AMBIENT AIR.
  - 5. VENT TO SAFE LOCATION.
  - 6. INSTRUMENT AIR COMPRESSORS ARE ALSO ON EMERGENCY POWER SUPPLY.
  - 7. DELETED.
  - 8. THE MASTER CONTROL MAINTAINS TWO COMPRESSOR RUNNING AND ONE IN STANDBY (3X50%), WHEN ONE OF THE TWO COMPRESSOR RUNNING TRIPS, THE MASTER CONTROLLER STARTS THE STANDBY COMPRESSOR. FOR MORE INFORMATIONS REFER. LOADING/UNLOADING OPERATIONS AS DESCRIBED IN DOC." PROCESS AND CONTROL PHILOSOPHY FOR INSTRUMENT AIR COMPRESSOR AND DRYER PACKAGE" 50489-530-020-00048-PHL-V001.
  - 9. DELETED
  - 10. PROVIDED H2S DETECTOR AT AIR INTAKE FILTER.
  - 11. INLET FILTERS ARE COMPOSED BY FOUR FILTRATION STAGES (INERTIAL FILTER IS INERTIAL GRID WITH AIR BLOWER FOR THE EXTRACTION OF SAND; PREFILTER IS A POCKET FILTER FOR FURTHER SAND REMOVAL; CHEMICAL FILTER IS A MODULE FOR H2S REMOVAL AND POSTFILTER IS GLASS MICROFIBER FILTER FOR LAST PARTICLE REMOVAL), THE FILTERS WORK WITH 2X100% LOGIC. THE COMPRESSOR USES THE MAIN DRIVE MOTOR FOR BOTH STAGES OF COMPRESSION AND FOR THE LUBE OIL PUMP.
  - 12. THE COMPRESSOR USES THE MAIN DRIVE MOTOR FOR BOTH STAGES OF COMPRESSION AND FOR THE LUBE OIL PUMP.
  - 13. DELETED
  - 14. DELETED
  - 15. THESE ARE THE IN-LINE SILENCERS.
  - 16. FOR CONTINUATION, SEE DRAWING 50489-530-020-PID-1220.010.
  - 17. FOR SET POINTS OF ALARM, REFER TO VENDOR DOCUMENT "50489-530-020-00048-LST-V002 ALARM & TRIP SET-POINT SUMMARY FOR INSTRUMENT AIR COMPRESSOR AND DRYER PACKAGE"
  - 18. FOR MORE DETAIL, REFER 50489-530-020-PID-1220.016.
  - 19. PACKAGE LOGIC IS IMPLEMENTED IN PACKAGE PLC. ALL RELEVANT SIGNALS ARE TRANSFERRED TO DCS FOR SMOOTH OPERATION FROM DCS.
  - 20. INSTRUMENT AIR COMPRESSORS ARE ALSO ON EMERGENCY POWER SUPPLY.
  - 21. MOTOR WINDING RTDS ARE SIMPLEX TYPE, WHILE BEARING RTDS ARE DUPLEX TYPE.
  - 22. VENDOR PID NO: 50489-530-020-00048-PID-V001 SHEET 1 OF 3.

**AS-BUILT**  
**KOC APPROVAL**

NAME / KOC No:	
DESIGNATION :	
GROUP / TEAM :	
SIGNATURE :	
DATE :	

**AS-BUILT**  
**LARSEN & TOUBRO LIMITED**

NAME :	VAIBHAV VERMA
DESIGNATION :	AGM
SIGNATURE :	
DATE :	07-Aug-2018
DEPT/ DIVISION :	ENGINEERING



**B-121C/122C**  
INSTRUMENT AIR BLOWERS

FLOW RATE Nm3/h (MMSFD)	: 795 (0.712)
DRIVER POWER KW (hp)	: 0.55 (0.737)
DIFF PRESSΔP bar (psi)	: 0.014 (0.203)
UTC NO.	:
TRIM NO.	: KT-B121C/122C-S10A

**K-102C**  
INSTRUMENT AIR COMPRESSOR (1ST STAGE)

RATED FLOW RATE Nm3/h (MMSFD)	: 815.8 ( 0.729 )
DRIVER POWER KW (hp)	: 160 ( 215.5 )
DIFF PRESSΔP bar (psi)	: 1.965 (28.5)
MOLECULAR WEIGHT	: 28.96
OP PRESS INLET / OUTLET barg (psig)	: AMB / 1.965( AMB / 28.5 )
DES PRESS barg (psig)	: 3.5 ( 50.76 )
OP TEMP INLET / OUTLET °C (°F)	: AMB / 195.7 ( AMB / 384.26 )
DES TEMP °C (°F)	: 250 / -3 ( 482 / 26.6 )
UTC NO.	:
TRIM NO.	: KT-K102C-S10A

**K-102C**  
INSTRUMENT AIR COMPRESSOR (2ND STAGE)

RATED FLOW RATE Nm3/h (MMSFD)	: 815.8 ( 0.729 )
DRIVER POWER KW (hp)	: 160 ( 215.5 )
DIFF PRESSΔP bar (psi)	: 8.465 ( 122.77 )
MOLECULAR WEIGHT	: 28.96
OP PRESS INLET / OUTLET barg (psig)	: 1.915 / 10.38 ( 27.77 / 150.6 )
DES PRESS barg (psig)	: 11.55 ( 166.8 )
OP TEMP INLET / OUTLET °C (°F)	: 58 / 269.4 ( 136.4 / 516.9 )
DES TEMP °C (°F)	: 300 / -3 ( 572 / 26.6 )
UTC NO.	:
TRIM NO.	: KT-K102C-S30A

NOTE 16,