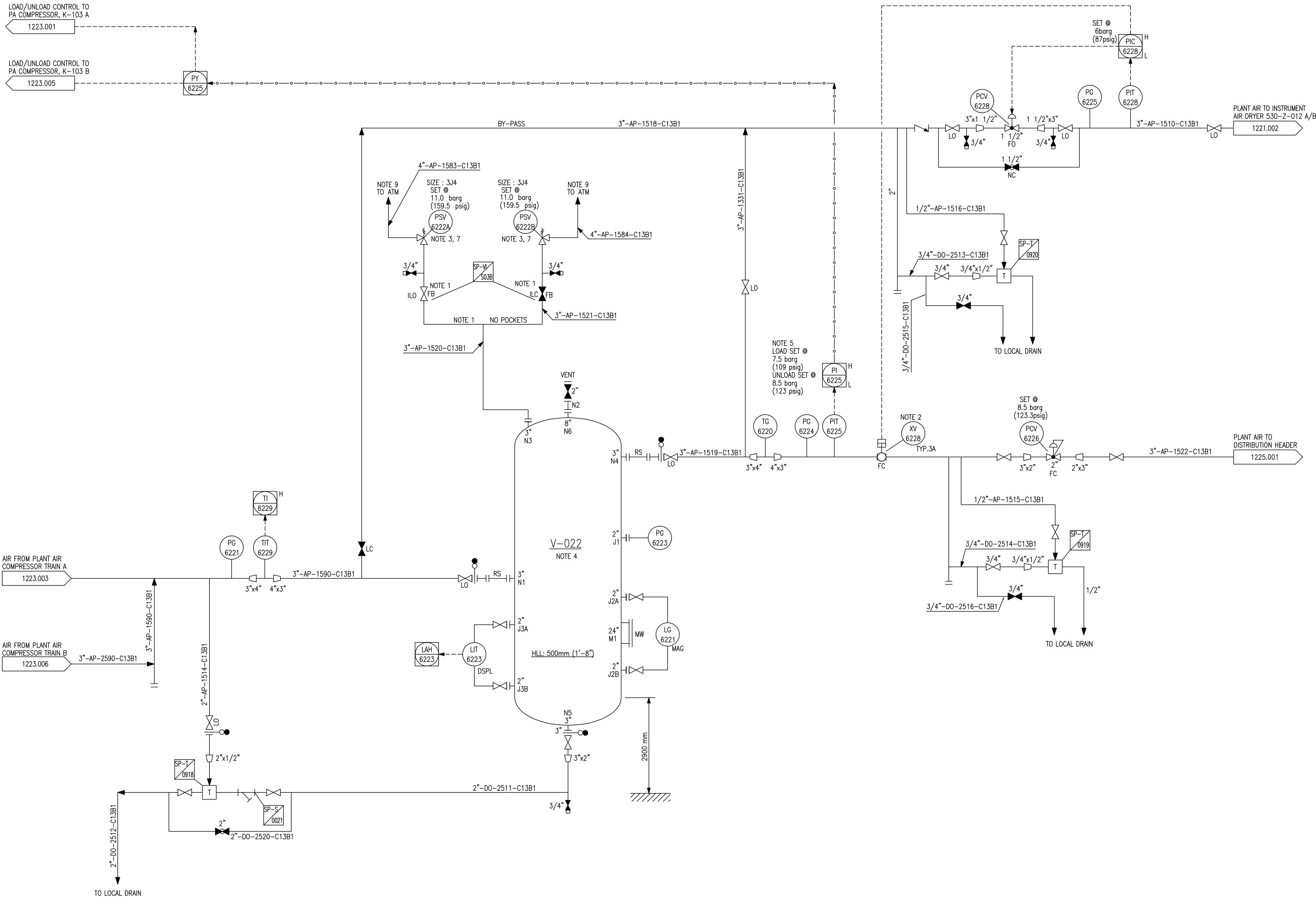


V-022
PLANT AIR RECEIVER

CAPACITY m3 (ft.3) : 78 (2754.5)
ID mm (ft.-in) : 3100 (10'-2")
LENGTH mm (ft.-in) : 9300 (30'-6")
OP PRESS /DES PRESS barg (PSIG) : 10/11 (145/159.5)
OP TEMP/DESIGN TEMP °C (°F) : 60/130/-3 (140/266/27)
UTC NO. :
TRIM NO. : VT-V022-C13B1



GENERAL NOTES:

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

NOTES:

- RELIEF VALVE INLET VALVES ARE KEY INTERLOCKED SUCH THAT ONE RELIEF VALVE IS ALWAYS ON-LINE.
- XV-6228 CLOSING ON LOW INSTRUMENT AIR PRESSURE, TO ALLOW PLANT AIR TO BE DIVERTED INTO INSTRUMENT AIR SYSTEM.
- WEEP HOLE IS INSTALLED AT LOW POINT OF PSV OUTLET LINE.
- THE PLANT AIR RECEIVER IS SIZED FOR 30 MINUTES MAXIMUM SUPPLY OF AIR (540 NM3/H) BETWEEN 8.5 barg AND 4.0 barg IN THE EVENT OF AIR COMPRESSOR FAILURE.
- PLANT AIR COMPRESSORS ARE OPERATED AS FOLLOWS:
1st COMPRESSOR UNLOADING PRESSURE = 8.5 barg
LOADING PRESSURE = 7.5 barg
- DELETED.
- WHEN PSV REMOVED FOR MAINTENANCE THE INLET PIPE IS FITTED WITH FULLY RATED BLIND FLANGE.
- DELETED.
- VENT TO SAFE LOCATION ARE AS PER KOC-G-002.

AS-BUILT	
KOC APPROVAL	
NAME / KOC No:	
DESIGNATION :	
GROUP / TEAM :	
SIGNATURE :	
DATE :	

AS-BUILT	
LARSEN & TOUBRO LIMITED	
NAME :	VAIBHAV VERMA
DESIGNATION :	AGM
SIGNATURE :	
DATE :	09-Aug-2018
DEPT/ DIVISION :	ENGINEERING

Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	09.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	04.11.16
0	ISSUED FOR CONSTRUCTION	SHH/VSA	AKG	SRA	RAK	29.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	26.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	JSI/ABY	AKG	SRA	RAK	02.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/ABY	AKG	SRA	RAK	20.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	RAK	10.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

CONTRACTOR REVISION

KUWAIT OIL CO.
K. S. C.

شركة نفط الكويت
ش.م.ك.

CONTRACTOR DETAILS:-

LARSEN & TOUBRO LIMITED
FARIDABAD

PROJECT TITLE:-
NEW GATHERING CENTRE GC-30
IN NORTH KUWAIT

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
PLANT AIR RECEIVER (V-022)

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO.	REV. KOC DRG. NO.
50489-530-020-PID-1224	Z0
SHEET NO. 1 OF 1	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0224.001	A1
SHEET NO.	