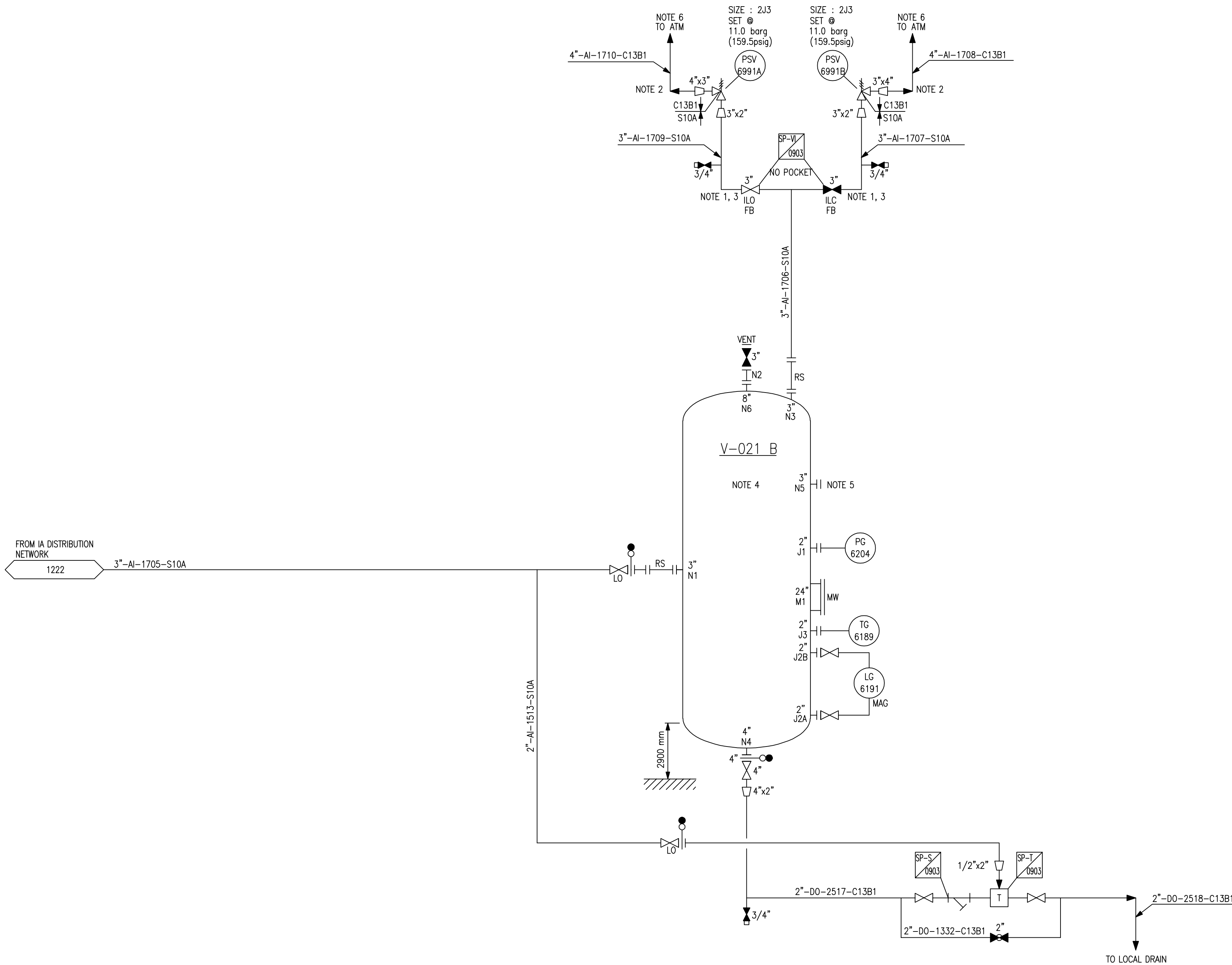


V-021 B
INSTRUMENT AIR RECEIVER

CAPACITY m3 (ft.3) : 168 (5928)
ID mm (ft.-in) : 4000 (13'-2")
LENGTH mm (ft.-in) : 12000 (39'-4")
OP PRESS /DES PRESS barg (PSIG) : 9.3/11 (135/159.5)
OP TEMP/DESIGN TEMP °C (°F) : 60/130/-3 (140/266/27)
UTC NO. :
TRIM NO. : VT-V021B-S10A/S30A /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-1106.002, .003, .004, .005, .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.
- WEEP HOLE IS PROVIDED AT LOW POINT OF PSV OUTLET LINE.
- WHEN PSV IS REMOVED FOR MAINTENANCE THE INLET LINE IS FITTED WITH FULLY RATED BLIND FLANGES.
- THE INSTRUMENT AIR RECEIVER WILL PROVIDE ADDITIONAL SURGE CAPACITY. VESSEL IS SIZED FOR 30 MINUTES NORMAL SUPPLY OF AIR (1040 Nm3/hr) BETWEEN 8.5 barg AND 4.0 barg IN EVENT OF AIR COMPRESSOR FAILURE.
- SPARE CONNECTION.
- VENT TO SAFE LOCATION 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 : 09-Aug-2018

DEPT/ DIVISON : 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	BAK/VSA	AKG	SRA	RAK	01.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	19.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	RAK	10.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD APPRD.	PEM	DATE

CONTRACTOR REVISION



CONTRACTOR DETAILS:-
LARSEN & TOUBRO LIMITED
FARIDABAD

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
SPARE INSTRUMENT AIR RECEIVER (V-021B)

PROJECT NO.	DRAWING NO.			
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV.
	50489-530-020-PID-1221.006	Z0		
	SHEET NO. 6 OF 6		SHEET NO.	
	COMPANY DRG. NO.	REV.		
	EF1902-530-DC0-PID-0221.006	A2		
	SHEET NO.			