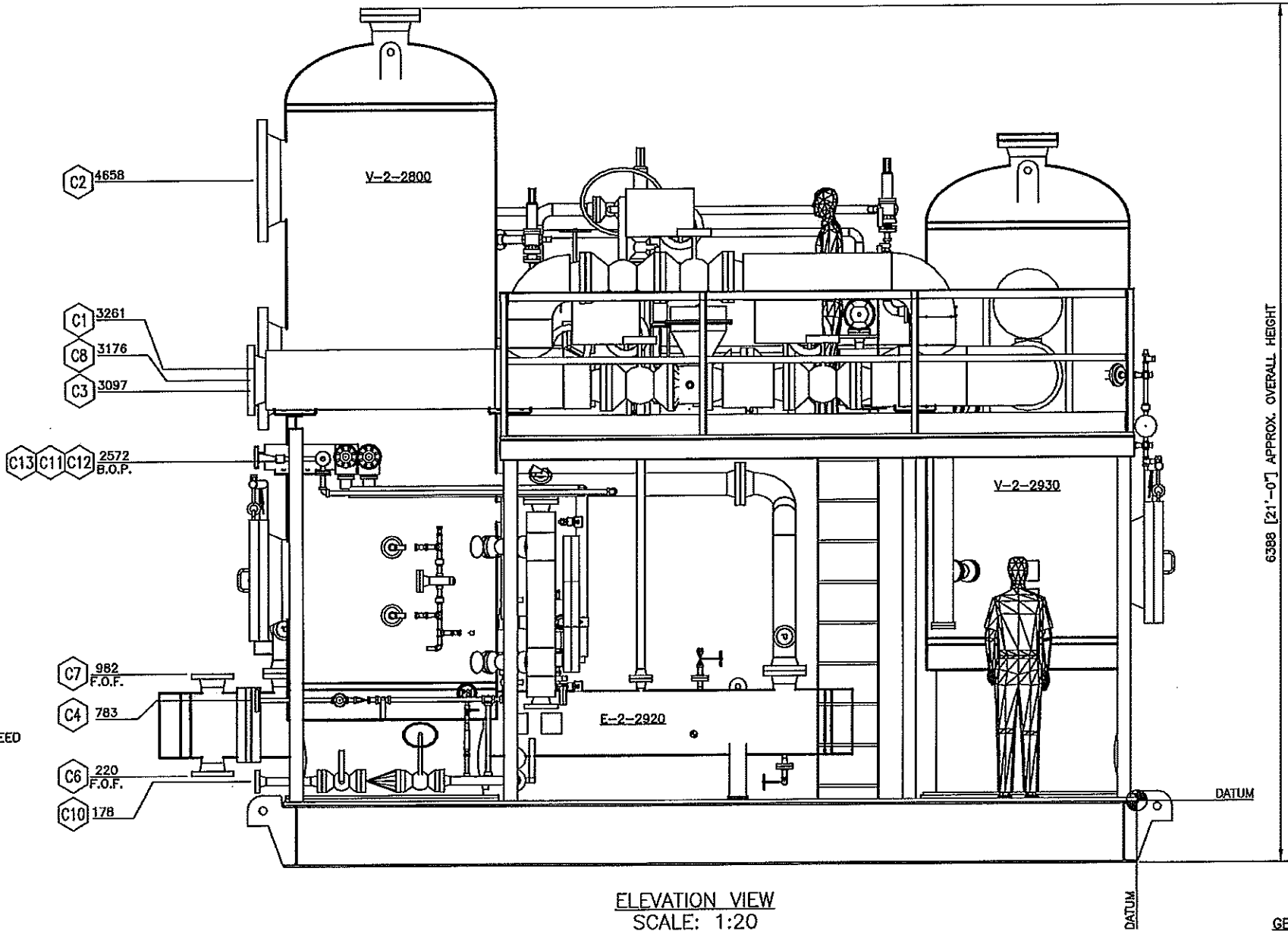





May 9, 2017

FOR CONSTRUCTION

- C1 610 - CL.300 RF REFRIGERANT VAPOUR FROM CHILLERS
- C2 610 - CL.300 RF REFRIGERANT VAPOUR TO REFRIGERANT COMPRESSORS
- C3 114 - CL.150 RF HP FLARE HEADER
- C4 60 - CL.300 RF PUSH GAS
- C6 168 - CL.300 RF PROCESS GAS FROM DE-ETH REFLUX DRUM
- C7 168 - CL.300 RF PROCESS GAS TO OVERHEAD COMPRESSORS
- C8 324 - CL.300 RF REFRIGERANT VAPOUR TO REFRIGERANT COMPRESSORS - SUPERFEED
- C10 60 - CL.600 RF HC DRAIN
- C11 60 - CL.300 RF FROM UTILITY HEAT MEDIUM SUPPLY
- C12 60 - CL.300 RF TO UTILITY HEAT MEDIUM RETURN
- C13 60 - CL.150 RF INSTRUMENT AIR HEADER



GENERAL NOTES:  
1. ALL TAIL DIMENSIONS FROM REFERENCE POINT.

REFERENCE DRAWINGS				REVISIONS										GAS CHILLING UNIT SCRUBBER/ECONOMIZER /SUB-COOLER SKID "09" LSD: 03-09-81-16 WGM		 <b>STARTEC</b> COMPRESSION & PROCESS LTD. APEQA NO. P13139	
DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION	SHIPPING WEIGHT 23594 Kg	DRAWN G.ELLIOTT	DATE 17-02-16	CUSTOMER ARC RESOURCES
				0	17-05-02	KC		ISSUED FOR CONSTRUCTION		05-04-17	WMM						c/o CORNERSTONE ENGINEERING LTD.
														SURFACE PREPARATION SSPC-SP3	CHECKED	DATE	TITLE GAS CHILLING UNIT SCRUBBER/ECONOMIZER/SUB-COOLER SKID "09" GENERAL ARRANGEMENT DRAWING ELEVATION VIEW
														PRIMER		DATE	
															ENG. APP'L WMM	05-04-17	
														PAIN	PROD. APP'L	DATE	
															ABSX VESSEL DRAWING NO. N/A		SCALE 1:20
															VESSEL JOB NO. N/A		
																	REV. 0



## V-2-5530

## SUCTION SCRUBBER

SIZE: 1372mm OD x 4267 mm S/S  
DESIGN: 2100 KPAG @ -45/204°C, CA=1.6mm

## E-2-5580

## REFRIGERATION SUBCOOLER

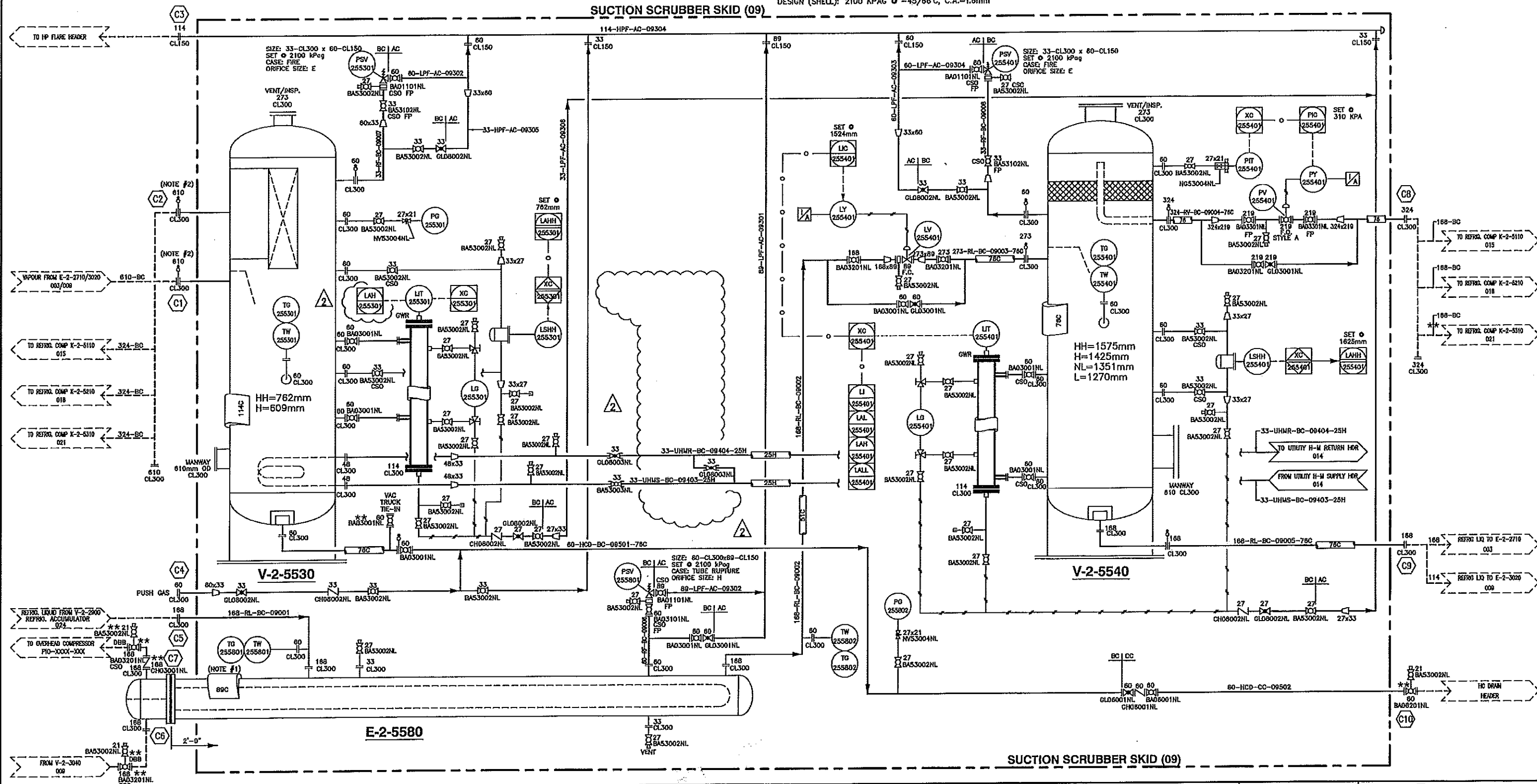
SIZE: 358mm OD x 4267mm S/S  
DUTY: 392 KW  
BEU-1414-DP2 TEMA "C" EXCHANGER  
DESIGN (TUBE): 3447 KPAG @ -45/121°C, C.A.=1.6mm  
DESIGN (SHELL): 2100 KPAG @ -45/66°C, C.A.=1.6mm

## V-2-5540

## REFRIGERATION ECONOMIZER

SIZE: 1372mm OD x 3048 mm S/S  
DESIGN: 2100 KPAG @ -45/204°C, C.A.=1.6mm

## SUCTION SCRUBBER SKID (09)



## GENERAL NOTES

1. INSULATE BONNET AND 2FT FROM BREAK FLANGE ONLY.
2. SPEC BLIND AT SKID EDGE PROVIDED BY OTHERS.

## REVISIONS

NO.	DATE	BY	AP'D	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION
A	17-02-16	GE		PRELIMINARY - ISSUED FOR REVIEW					
0	17-04-13	PH		ISSUED FOR CONSTRUCTION					
1	17-07-27	KC		ADDED LG-228001 & LG-229301, UPDATED VESSEL NOZZLE SIZE, AND RELOCATED SPEC BREAK					
2	18-01-15	KC		REVISED EQUIPMENT & INSTRUMENTATION TAGS FOR SKID NEW LOCATION					

FOR CONSTRUCTION

May 22, 2018



DRAWN: STARTEC  
CHECKED: WAM  
ENG. APPL: DATE

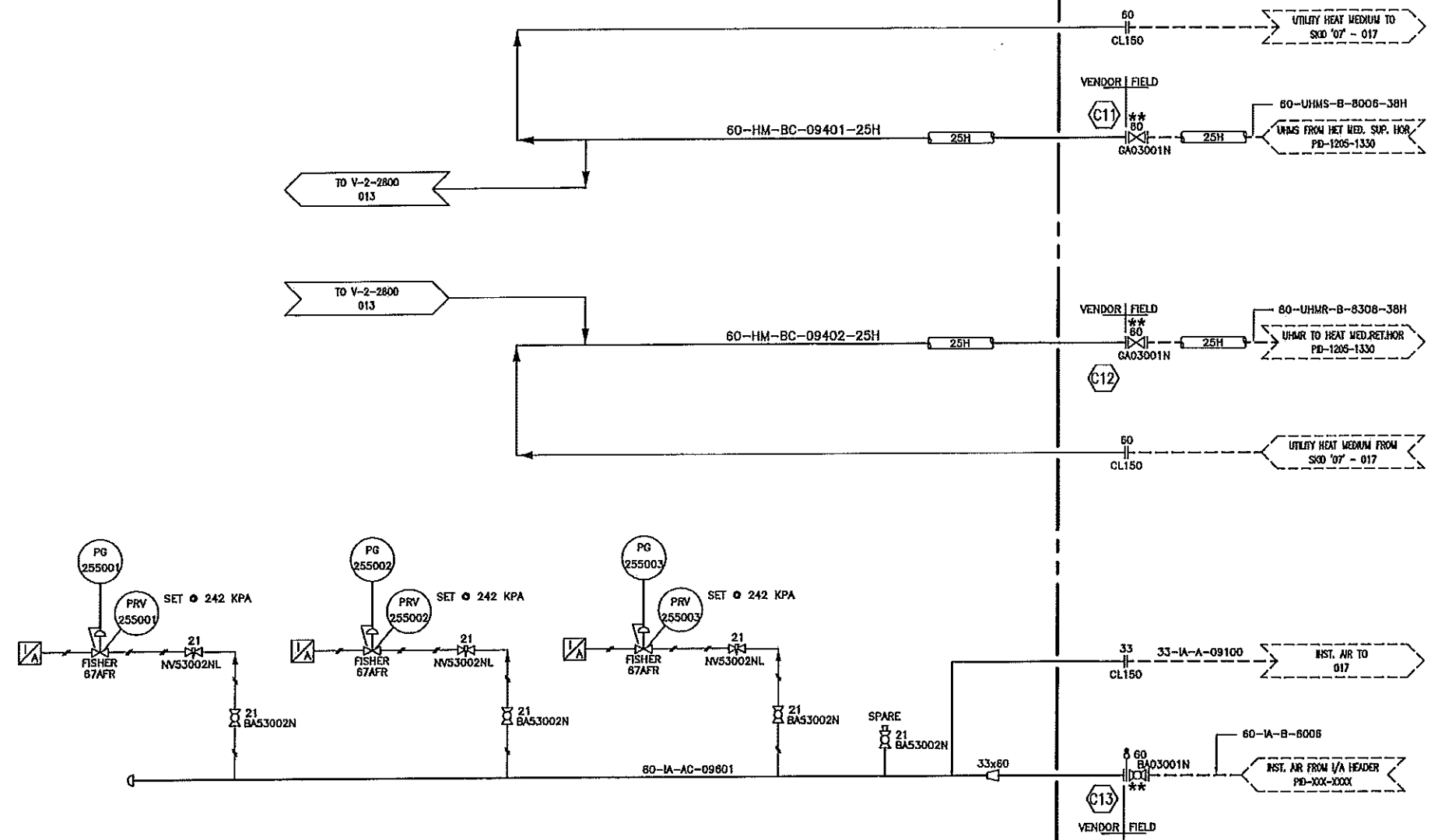
CUSTOMER: ARC RESOURCES  
c/o CORNERSTONE ENGINEERING LTD.

TITLE: GAS CHILLING UNIT - P&ID  
REFRIG. COMP. SUCTION SCRUBBER SKID "09"  
LSD: 13-07-80-14 W6M

SCALE: N/A  
DRAWING NO.: 17009-PR-PID-013  
REV: 2

\* VALVES AND INSTRUMENTS SUPPLIED BY STARTEC AND SHIPPED LOOSE  
\*\* VALVES AND INSTRUMENTS SUPPLIED BY OTHERS  
--- FIELD PIPING BY OTHERS

## SUCTION SCRUBBER SKID (09)



## GENERAL NOTES

\*VALVES AND INSTRUMENTS SUPPLIED BY STARTEC AND SHIPPED LOOSE  
 \*\*VALVES AND INSTRUMENTS SUPPLIED BY OTHERS  
 --- FIELD PIPING BY OTHERS

## REVISIONS

NO.	DATE	BY	AP'D	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION
A	17-02-16	GE		PRELIMINARY - ISSUED FOR REVIEW					
0	17-04-13	PH		ISSUED FOR CONSTRUCTION					
1	18-01-15	KC		REVISED EQUIPMENT & INSTRUMENTATION TAGS FOR SKID NEW LOCATION					

FOR CONSTRUCTION

May 22, 2018



DRAWN: STARTEC  
 CHECKED: WBM  
 EXG. APPL: DATE

CUSTOMER: ARC RESOURCES  
 c/o CORNERSTONE ENGINEERING LTD.

TITLE: GAS CHILLING UNIT - P&ID  
 SUCTION SCRUBBER SKID BUILDING UTILITIES  
 SKID "09" LSD: 13-07-80-14 WGM

SCALE: N/A  
 DRAWING NO.: 17009-PR-PID-014  
 REV: 1