V-100
SUCTION SCRUBBER
SERIAL: OD: 406 mm (16")
S/S: 1676 mm (60")
DESIGN: 1034 kPag (Int) @ 93°C/FV
MDMT: -29°C
TRIM: SA-106B SHELL;
SA-234-WPB PIPE CAP HEAD
CORROSION ALLOWANCE: 3.2 mm (1/8")
CRN: TBC
INSULATION: 38PP

P-101
SUCTION SCRUBBER DRAIN PUMP
SANDPIPER/BRUIN
PUMP MODEL: S1F/G1F
CAPACITY: 0-15 USGPM

K-110
STAGE 1 COMPRESSOR
RO-FLO SLIDING VANE COMPRESSOR
MODEL: 8DE-110
OPERATING SPEED: 600-1465 RPM
CAPACITY: 12 e3m3/d @1362 RPM(DESIGN)
PRESSURE RATIO: -
MAWP: 552 kPag (80 PSIG)
MAWT: 177°C (350°F)

M-110
COMPRESSOR MOTOR
TECO WESTINGHOUSE
MODEL: PDH0604
POWER: 60 HP
SPEED: 1800 RPM
SUPPLY: 460 V, 3 PH, 60 HZ
SPEC: CL I, ZONE 2, GP IIB+H2, IIB & IIA, T3
FRAME: 364T

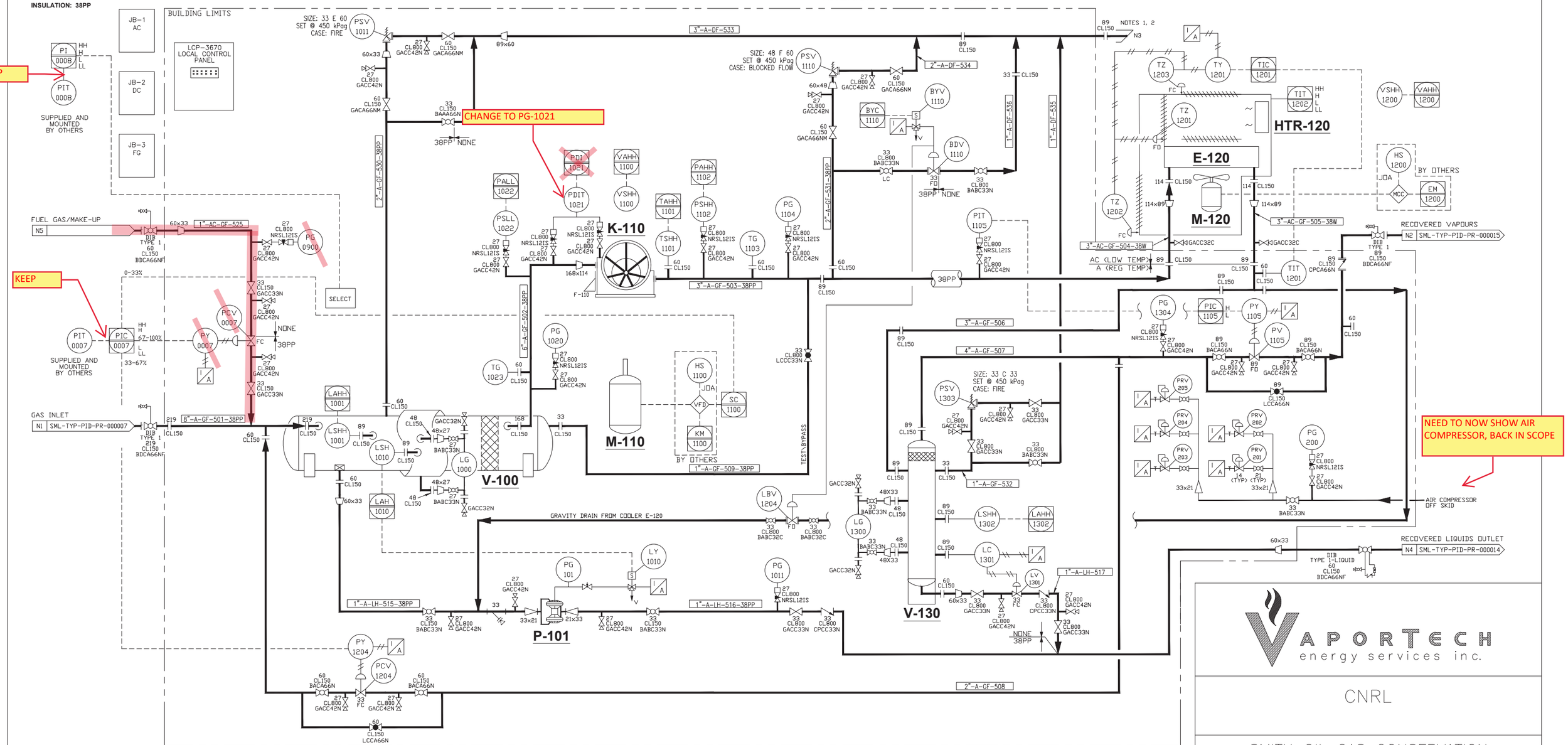
E-120
STAGE 1 AFTERCOOLER
KIMCOOL
MODEL: ACPACK
SIZE: 40 X 40-8R
DESIGN: 1034 kPag @ 204°C
MDMT: - °C @ 1034 kPag
CRN: TBD

M-120
COOLER MOTOR
WEG
MODEL: IEEE 841 W22
POWER: 5 HP
SPEED: 1750 RPM
SUPPLY: 460 V, 3PH, 60 HZ
SPEC: CL I, DIV 2, ZONE 2, GP A,B,C,D, T3
FRAME: 182/4T

V-130
GAS/LIQUID SEPARATOR
SERIAL: TBC
OD: 304.8 mm (12")
S/S:1651 mm (65")
DESIGN: 1034 kPag (Int) @ 204°C
MDMT: -29°C
TRIM: SA-106B SHELL, SA-516 70N HEADS
CORROSION ALLOWANCE: 3.2 mm (1/8")
CRN: TBC

HTR-120
GAS COOLER HEATER
XB4-6500T2D73T
480VAC / 3 PH / 60Hz
5,000 WATTS, CLASS 1, DIV. 1, T2D

DRAWING APPROVAL		SIGN	DATE
	ENGINEERING MANAGER		
	PRODUCTION MANAGER		
	QC (DRAWING CONFORMANCE)		



GENERAL NOTES

1. VENT TO SAFE LOCATION.
2. BIRD SCREEN AT THE END OF PIPE.

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NOZZLE DATA

REF	FUNCTION	SIZE & RATING	PROJ.	PRESS (KPAG)	TEMP (°C)	REF	FUNCTION	SIZE & RATING	PROJ.	PRESS (KPAG)	TEMP (°C)
N1	TANK VAPOR INLET	168 CL150	6"	14	43						
N2	RECOVERED VAPOURS OUTLET	114 CL150	6"	450	49						
N3	PSV HEADER OUTLET	60 CL150	6"	0	0						
N4	RECOVERED LIQUIDS OUTLET	60 CL150	6"	350	43						
N5	FUEL GAS / MAKE-UP										

REVISIONS

REV	DESCRIPTION	MM/DD/YY	BY	CHK'D
4	GENERAL UPDATE	05/03/23	EB	JC
3	ISSUED FOR CONSTRUCTION	04/21/23	EB	JC
2	RE-ISSUED FOR REVIEW	04/18/23	EB	JC
1	ISSUED FOR REVIEW	03/10/23	EB	JC
0	ISSUED FOR REVIEW	01/11/23	EB	JC

VAPORTECH energy services inc.

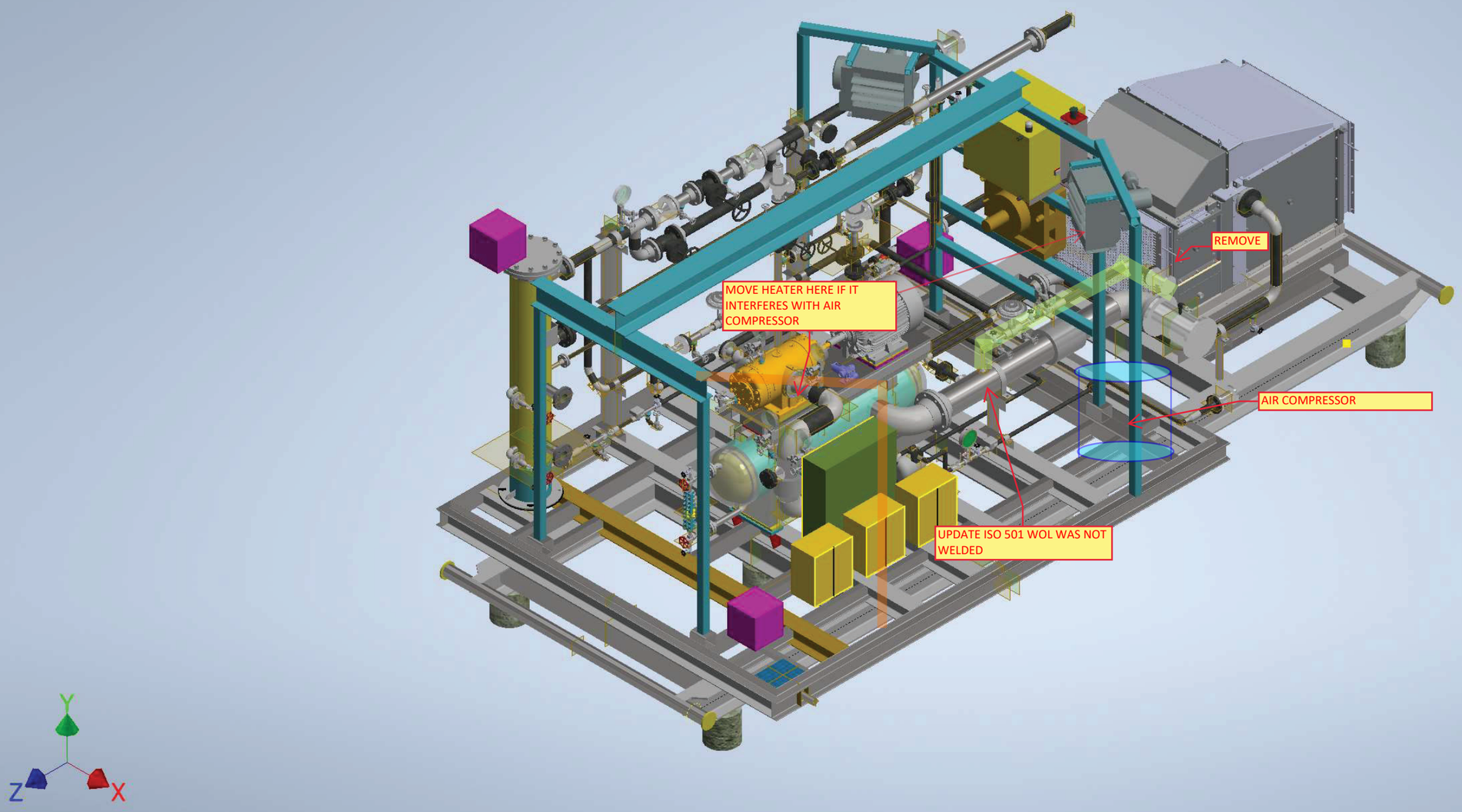
CNRL

SMITH OIL GAS CONSERVATION
VAPOUR RECOVERY UNIT

P&ID

DRAWN BY	MM/DD/YY	DRAWING NO.	REV
EB	12/22/22	6556-100	4

CLIENT DOCUMENT NO: –


REMOVE
MOVE HEATER HERE IF IT INTERFERES WITH AIR COMPRESSOR
AIR COMPRESSOR
UPDATE ISO 501 WOL WAS NOT WELDED
Y
Z
X