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

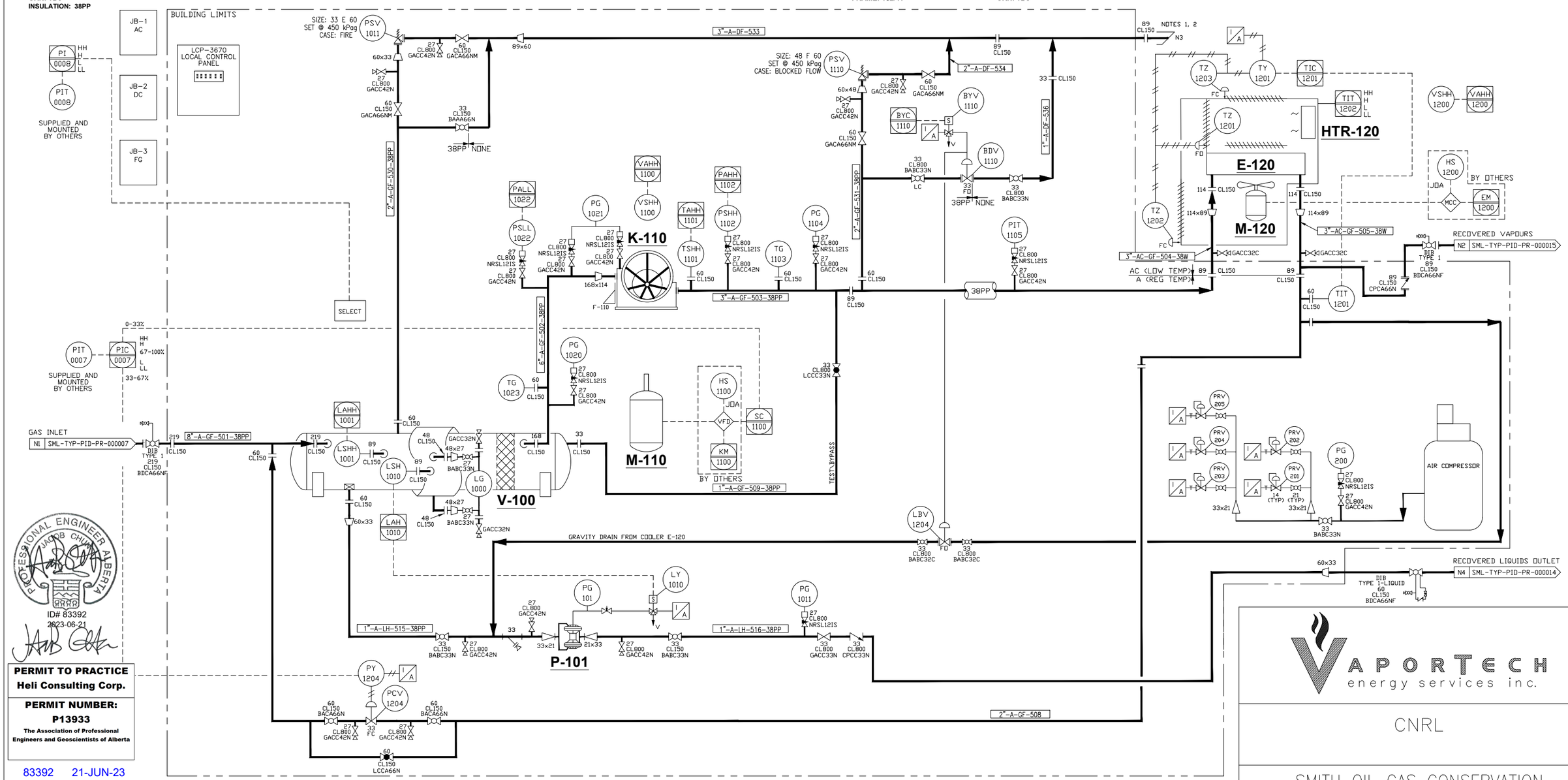
E-120
STAGE 1 AFTERCOOLER
KIMCOOL
MODEL: ACPACK
SIZE: 40 X 40-8R
DESIGN: 1034 kPag @ 204°C
MDMT: - °C @ 1034 kPag
CRN: TBD

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)		



PROFESSIONAL ENGINEER JACOB CHUA ALBERTA
ID# 83392
2023-06-21

PERMIT TO PRACTICE
Heli Consulting Corp.
PERMIT NUMBER:
P13933
The Association of Professional Engineers and Geoscientists of Alberta

83392 21-JUN-23

VAPORTECH energy services inc.

CNRL

SMITH OIL GAS CONSERVATION
VAPOUR RECOVERY UNIT

P&IS

DRAWN BY	MM/DD/YY	DRAWING NO.	REV
EB	05/23/23	6556-100C-F	1

CLIENT DOCUMENT NO: —

GENERAL NOTES

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

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
1	ISSUED FOR CONSTRUCTION	05/23/23	EB	JC

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