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V-24702
COMPRESSOR 2nd STAGE KO DRUM

SIZE: 2800 mm ID x 3000 mm T/T
 DESIGN PR. & TEMP: 385 kPa-g @ 115 °C / FV @ 150 °C
 MATERIAL (VESSEL/INTERNAL): CS + 3 mm 304L SS CLAD / 316L SS
 INSULATION TYPE/THK: H / 38 mm
 TRIM: VT-247002-PJB(0.4)

E-24701
COMPRESSOR 1st STAGE COOLER

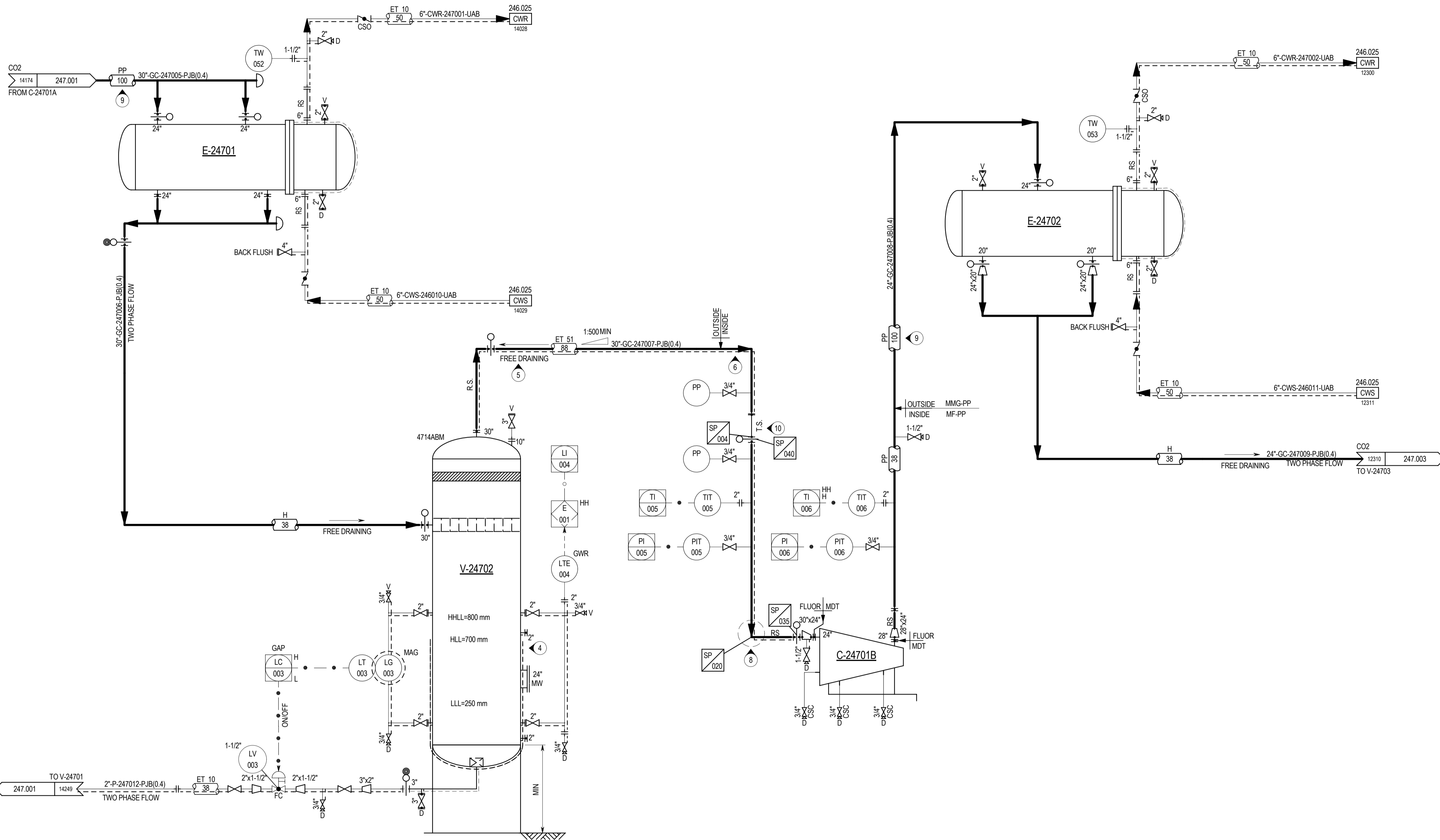
RATED DUTY: 2.8 MW
 SURFACE AREA: 420.0 m²
 TEMA TYPE: B/U
 SHELL
 DESIGN PRESS: 385 kPa-g / HV
 DESIGN TEMP: 130 °C / 150 °C
 MATERIAL: CS + 3 mm 304L SS CLAD
 INSULATION TYPE/THK: H / 50 mm
 TRIM: ET-247001-PJB(0.4)

E-24702
COMPRESSOR 2nd STAGE COOLER

RATED DUTY: 2.5 MW
 SURFACE AREA: 502.0 m²
 TEMA TYPE: B/U
 SHELL
 DESIGN PRESS: 530 kPa-g / HV
 DESIGN TEMP: 130 °C / 150 °C
 MATERIAL: CS + 3 mm 304L SS CLAD
 INSULATION TYPE/THK: PP / 25 mm
 TRIM: ET-247016-PJB(0.4)

NOTES:

- SEE DRAWINGS 200.0000.000.041.007 THRU 016 FOR SYMBOL IDENTIFICATION GENERAL NOTES & CONNECTION DETAILS.
- ALL INSTRUMENT TAG NUMBERS ARE PREFIXED BY "247" UNLESS OTHERWISE STATED.
- DRIVER POWER AND DIFFERENTIAL PRESSURE DEPICTED ARE THE TOTAL FOR THE COMPRESSOR.
- ELECTRIC TRACE (ET 10) WITH 50 mm INSULATION THICKNESS TO HLL.
- MAXIMIZE LENGTH OF PIPING THAT FREE DRAINS TO KO DRUM.
- GTAW ROOT PASS WELD IS MANDATORY ON THIS LINE.
- ELECTRIC TRACE (ET 10) WITH 50 mm INSULATION THICKNESS.
- VANED ELBOW.
- METAL MESH GUARD FOR PERSONNEL PROTECTION. THE DISTANCE BETWEEN METAL MESH GUARD AND BARE SURFACE, IN mm, IS SPECIFIED IN THE SYMBOL.
- AFTER START-UP, TEMPORARY STRAINER SP-247004 TO BE REPLACED BY SPACER SP-247040.



C-24701B
CO2 COMPRESSOR 2nd STAGE
 RATED FLOW: 84255 Sm³/hr
 DIFF PRESSURE: 12229 kPa
 DRIVER: 16500 kW
 MATERIAL: 304 SS
 INSULATION TYPE/THK: /

CRITICAL DRAWING
AS BUILT
INFORMATION REQUIRED

THE HARD COPY ORIGINAL
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DATES

5	12/22/15	CHANGE LIST 247.0000.000.041.002	KL	DC																
4	05/23/15	CHANGE LIST 247.0000.000.041.002	GB	CC																
3	07/08/13	ISSUED FOR CONSTRUCTION	GB	KB	KH	SL														
2	02/01/13	ISSUED FOR CONSTRUCTION	GB	KB	KH	SL														
1	10/30/12	ISSUED FOR CONSTRUCTION	GB	KB	KH	LMF														
0A	07/25/12	RE-ISSUED FOR PHA																		
0	09/15/11	ISSUED FOR DESIGN	GB	KB	KH	SD														
REV	ISSUED DATE	DESCRIPTION	BY	CHK	PRS	CS	PDP	MC	APE	PEM	APP	CLIENT								

SHELL CANADA
QUEST CCS PROJECT

FLUOR

PIPING AND INSTRUMENT DIAGRAM
QUEST CCS PROJECT
UNIT 247 - COMPRESSION
CO2 COMPRESSOR 2ND STAGE

SCALE: NONE
SHELL DWG NO.: 247.0000.000.041.002
REV. 5

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247.002
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