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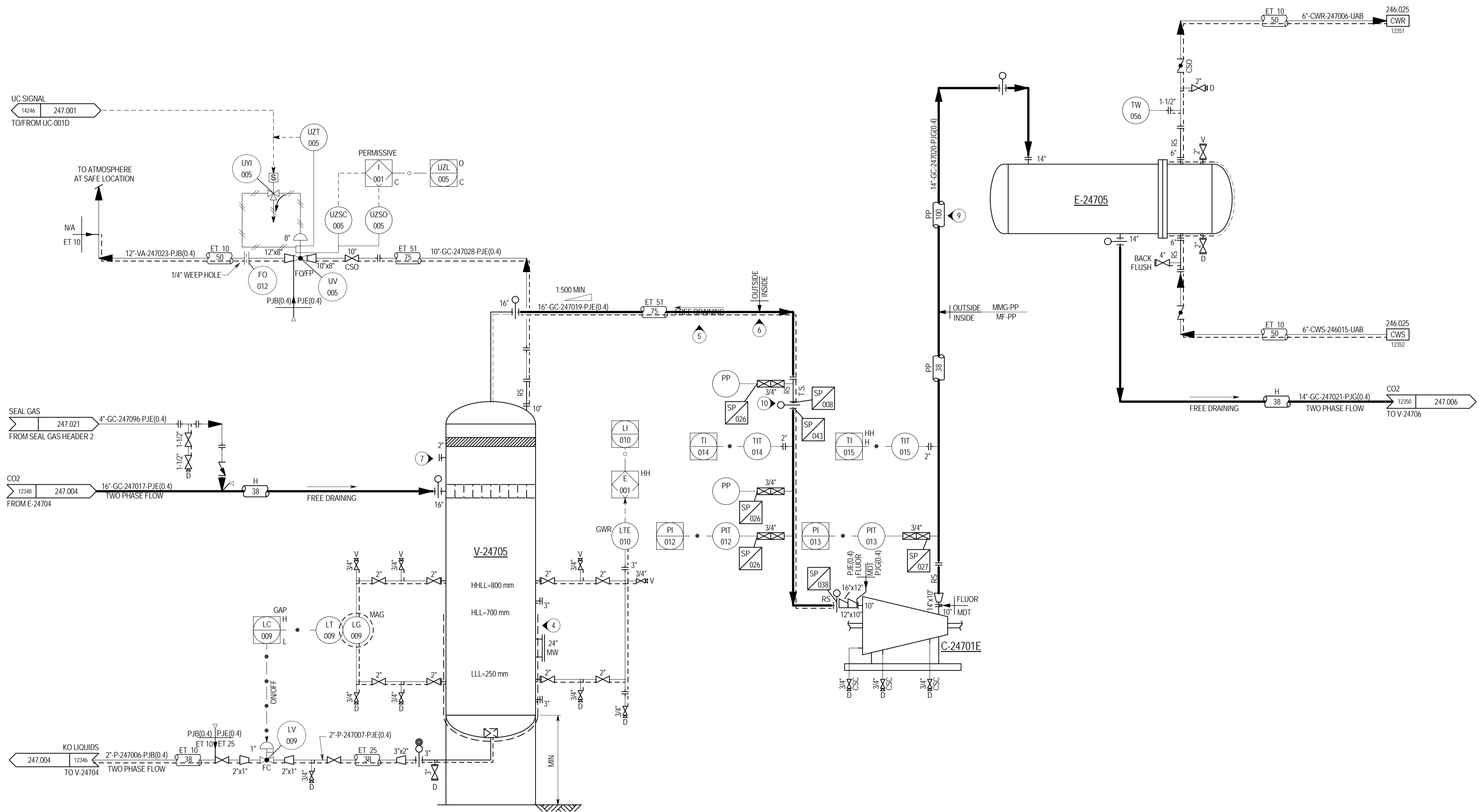
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V-24705
COMPRESSOR 5th STAGE KO DRUM
 SIZE: 1900 mm ID x 2200 mm T/T
 DESIGN PR. & TEMP: 2200 kPa-g @ 100 °C / V @ 150 °C
 MATERIAL (VESSEL/INTERVALS): CS + 3 mm 304L SS CLAD / 316L SS
 INSULATION TYPE/THK: H / 38 mm
 TRIM: VT-247005-PJE(0.4)

E-24705
COMPRESSOR 5th STAGE COOLER
 RATED DUTY: 2.7 MW
 SURFACE AREA: 255.0 m²
 TEMA TYPE: BELU
 SHELL
 DESIGN PRESS: 4200 kPa-g / HV
 DESIGN TEMP: 130 °C / 150 °C
 MATERIAL: CS + 3 mm 304L SS CLAD
 INSULATION TYPE/THK: PP / 25 mm
 TRIM: ET-247005-PJG(0.4)
 TUBE
 3300 kPa-g /
 58 °C /
 DUPLEX 2205 + 0.5 mm CA
 /
 ET-247019-UAB

- 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 25) WITH 75 mm INSULATION THICKNESS TO HLL.
 - MAXIMIZE LENGTH OF PIPING THAT FREE DRAINS TO KO DRUM.
 - GTAW ROOT PASS WELD IS MANDATORY ON THIS LINE.
 - RELIEF VALVE NOZZLE. RELIEF VALVE NO LONGER REQUIRED AS SYSTEM IS PROTECTED BY OPPSD (REFERENCE DOCUMENT: A6GT-R-1071 - OPPSD TECHNICAL JUSTIFICATION AND BASIS).
 - ELECTRIC TRACE (ET 10) WITH 50 mm INSULATION THICKNESS.
 - 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-247008 TO BE REPLACED BY SPACER SP-247043



FLUOR
 IAB - Issued As Built
 Sep 28, 2015

CRITICAL DRAWING
 AS BUILT
 INFORMATION REQUIRED

THE HARD COPY ORIGINAL
 CONTAINS THE
 ENGINEERING AND PERMIT
 STAMPS, SIGNATURE AND
 DATES

REV	ISSUED DATE	DESCRIPTION	BY	CHK	PRS	CS	PDP	MC	APE	PEM	CLIENT APP
5	08/28/15	CHANGE LIST 247.0000.000.041.005	GB	CC	-	-	-	-	-	-	-
4	05/29/15	CHANGE LIST 247.0000.000.041.005	GB	CC	-	-	-	-	-	-	-
3	07/08/13	ISSUED FOR CONSTRUCTION	GB	KB	KH	SL	-	-	-	-	BB
2	02/01/13	ISSUED FOR CONSTRUCTION	GB	KB	KH	SL	-	-	-	-	EM
1	10/31/12	ISSUED FOR CONSTRUCTION	GB	KB	KH	SL	-	-	-	-	EM
0A	07/25/12	RE-ISSUED FOR PHA	-	-	-	-	-	-	-	-	-
0	09/15/11	ISSUED FOR DESIGN	GB	OC	KH	SD	-	-	-	-	EM MD

SHELL CANADA
 QUEST CCS PROJECT

FLUOR

PIPING AND INSTRUMENT DIAGRAM
 QUEST CCS PROJECT
 UNIT 247 - COMPRESSION
 CO2 COMPRESSOR 5TH STAGE

SCALE: NONE
 SHELL DWG NO.: 247.0000.000.041.005
 REV. 5

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DWG. No. SHELL 247.0000.000.041.005

TITLE CO2 COMPRESSOR 5TH STAGE

REV.	DATE	DESCRIPTION	DRWN	CHKD	MECH	PROC	INST	APP'D	LOC
4	MAY 23 2015	AS-BUILT AS PER MOC-11457. ADDED NOTE TO REPLACE TEMP STRAINER SP-247026 BY SPACER SP-247043. ADDED HH ALARM FOR TI-247015. MMG REPLACED WITH MINERAL FIBER AND ALUMINUM CLADDING FOR PERSONAL PROTECTION ON LINE 14"-GC-247020-PJG(0.4). SPACER PLATES ADDED ON COMPRESSOR NOZZLE SUCTION.	CC	GB					B\3 C\2,3 D\1
5	AUG 19 2015	AS-BUILT AS PER MOC-11457. ADDED NEW VALVE & INSTRUMENT UV-005 & FO-012. ADDED TWO LINES 10"-GC-247028-PJE(0.4) & 12"-VA-247023-PJB(0.4)	CC	GB					C\3,4

NOTES

- MULTIPLE REVISIONS ARE PERMITTED UNDER A SINGLE REVISION NUMBER.
- — LINE UNDER REVISION INDICATES NOT MICROFILMED-REVISION STILL OPEN.
- LINE UNDER REVISION INDICATES MICROFILMED-REVISION CLOSED.



SHELL CANADA PRODUCTS LIMITED
SCOTFORD COMPLEX ALBERTA

CHANGE LIST

DRAWN GB	DATE 15/05/23	DESIGN	SCALE N.T.S.	CHECKED CC	APPROVED CC
SHELL DRAWING NUMBER 247.0000.000.041.005					REV. SHEET 5 1 OF 1