100 mm (Verplichtenmaat)

E-3007 A/B
PURE METANOL STEAM REBOILER

A	1979	m2
SHELL– pe *	7.0	bar
SIDE t *	200	°C
TUBE– pe *	14/–1	bar
SIDE t *	200	°C

* = MECH.DESIGN

E-3005
OFF GAS SUPERHEATER

A	13.9	m2
SHELL– pe *	7	bar
SIDE t *	200	°C
TUBE– pe *	3.5	bar
SIDE t *	150	°C

* = MECH.DESIGN

E-3006
PURE METHANOL GAS REBOILER

A	2325	m2
SHELL– pe *	14/–1	bar
SIDE t *	200	°C
TUBE– pe *	39.0	bar
SIDE t *	200	°C

* = MECH.DESIGN

T-3002
PRESSURE COLUMN

Vnom	1502 m3
od	5600 mm
1TL–TL	58600 mm
pe *	11/–1 bar
t *	200 °C

* = MECH.DESIGN

REMARKS:
ALL PRESSURES ARE IN GAUGE
IF NOT STATED OTHERWISE
1) DELETED.
2) LP–STEAM LINE TO BE CONNECTED FROM ABOVE 600 MM MIN. TO ENSURE TOTAL FLOODING OF E-3007 A/B
3) LOCATION OF CONTROL VALVE CLOSE TO D-1501
4) DELETED.
5) LEVEL CONTROL VALVE TO BE MIN. TO D-1007
6) CLOSE TO MANUAL
7) DELETED.
8) DELETED.
9) LOCATE AT GRADE
10) LOCATE MIN. 1.5 M LOWER THAN BOTTOM OF T-3002
11) VENT VALVE TO BE ACCESSIBLE FOR OPERATION

OFF GAS TO FH-1001 — SHEET 114 M7
TO SAFE LOCATION
SIGNAL TO UC-101401 — SHEET 114 M6
FLARE GAS FROM 30AP348 — SHEET 303 B13
FLARE GAS TO FLG-70-03-006 — SHEET 703 G1
LP-NITROGEN FROM NIL-75-02-004 — SHEET 752 B11
SIGNAL FROM LC-300202 — SHEET 302 L10
METHANOL VAPOR TO E-3008 A — SHEET 306 B5
METHANOL VAPOR TO E-3008 B — SHEET 306 B7
SIGNAL TO PI-300610 — SHEET 306 B6
SIGNAL TO HS-300610 — SHEET 306 B8
SIGNAL TO FFI-300611A — SHEET 306 B13
SIGNAL TO FC-300409 — SHEET 306 C8

PC-300303A C15 SHEET 303 PV
PC-300303A D15 SHEET 303
OFF GAS E-3004 D15 SHEET 303 — 8"-OFG-30-03-001- AA1--05--B1
FC-300305B E15 SHEET 303
METHANOL STABILIZED P-3001 A/B F15 SHEET 303 — 12"-PMS-30-03-008- AA1-H-23-W1-BW1

8"-OFG-30-04-007- AA1--E-05-WE2-BW1
PC 300303E, FI 300407, FY 300407, FT 300407C, FT 300407B, FT 300407A, PV 300303E, I 1001 6), FE 300407, 30SPP 026
8"-OFG-30-04-008- AA1-H-05-W1-BW1
30FG008 AA1 AA3, 30FLG005 AA3, 8"-FLG-30-04-005- AA3-P-05-WP1-BW1
3/4"-FLG-30-03-018- AA3-P-05-WP1-BW1
PV 300303A, FC/TSO
30ONL003 AA2, 30PMS025 AA1
3"-NL-30-04-003- AA2--06--B1
I 2005, SET TO LEVEL CONTROL, SELECT, HS 300401
3"-PMS-30-04-025- AA1-P-23-W1-BW1
LV 300202, FC
28"-PMV-30-04-003- AA1-H-06-W1-BW1
28"-PMV-30-04-004- AA1-H-06-W1-BW1
T-3002 VT-T-3002 AA1 — N2A N2B N3 M6 85 84 68 M5 67 50 M4 49 30 M3 29 18 12 M2 11 N1A 10 N1B 9 8 7 6 5 4 3 2 1 P1 M1
12"-PMR-30-05-012-AA1-H-06-W1-BW1 — METHANOL REFLUX P-3003 A/B SHEET 305 D1
30AP602 D1 SHEET 305
30AP602 SHEET 305 D1
3/4"-CWS-30-04-016- AA2--07--
3/4"-CWR-30-05-016- AA2--07--
AY 300405, AI 300405, PDI 300406, %METHANOL
FI 300409, FT 300409, FE 300409, 30SPP 006, PIPING INSTR., 30AP450 TYPE 3E, AP 30450
TT 300414, TI 300414, TT 300432, TI 300432, TT 300413, TI 300413, TT 300431, TI 300431, PT 300405, PI 300405, LC 300407, LT 300414, LT 300413, LT 300407, LI 300448, TT 300410, TI 300410, LI 300413, TT 300412, TI 300412
3/4"-CWR-30-04-005- AA2--07--B1
30-CWR-005 30-CWR-004
10"-PMS-30-04-014- AA1-H-07-W1-BW1
SWEET CW RET. TO CWR-30-004 — SHEET 611 J10
METHANOL STAB. TO T-3003 — SHEET 306 B8

E-3005 VT-E-3005 N6 W1 N1 N4 N3 N2 N5 — TT 300409, TI 300409, FC 300305A
E-3007 A VT-E-3007 A BA1 — E-3007 B VT-E-3007 B BA1
2"-LPS-30-04-004- BA1-H-05-W1-BW1
LI 300454 A, LT 300454 A, LI 300453A, LI 300454 B, LT 300454 B, LI 300453B, 30SPP 013, 30SPP 014, 30SPP 024
E-3006 VT-E-3006 W1 N8 N4 N3 N6 N7 N2A N2B N2C N2D N1A N1B N1C N1D N5 M1 M2 N1
24"-LPS-30-04-003- BA1-H-06-W1-BW1
AP 30451, FI 300421, FY 300421, 30AP451 TYPE 1E, TO GRADE
LT 300406, LC 300406, 26"-RFG-30-04-003- NB1-H-06-W1-
28"-PMS-30-04-017- AA1-H-06-W1-BW1
FT 300421, FE 300421, 30RFG004 6"/4", 30SPP 017
28"-PMS-30-04-023- AA1-H-06-W1-BW1
28"-PMS-30-04-024- AA1-H-06-W1-BW1
28"-RFG-10-04-005- ND2-H-06-W1-
10"-RFG-30-04-004- ND2-H-06-W1-
6"-PC-30-04-002- ND2-H-53-W1-
2"-PML-30-04-027-AA1--06-
2"-PML-30-04-026- AA1--06-W1-BW1
3"-PML-30-04-023- AA1--06--
3"-PML-30-04-024- AA1--06-WP1-BW1
3"-PML-30-04-025- AA1--06--
2"-PML-30-04-028- AA1--07--
3/4"-CWS-30-04-004- AA2--07--B1
NO POCKETS
START UP 4" MIN., START UP 12"/6", 30SPP 016, 30SPP 027
FE 300408, FT 300408, FY1 300408, FY2 300408, FC 300408, FV 300408, TT 300407, TI 300407, JC 300401, MASTER HEAT CONTROLLER, RSP
TT 300405, TI 300405, TT 300411, TI 300411
3/4"-CWS-30-04-015- AA2--06--B1
3/4"-CWS-30-04-025- AA2--06--B1
30-CWR-025 30-CWR-001
7"-LPC-30-04-004- BA1-H-09-W1-BW1
26"-LPC-30-04-002- BA1-H-06-W1-BW1
12"-LPC-30-04-002- BA1-H-09-W1-BW1
SHEET 157 L10

LP–STEAM SATURATED FROM LPS–15–07–012 — SHEET 157 H14
LP–STEAM COND. TO D-1501 — SHEET 151 B9
SIGNAL FROM LC–300614 — SHEET 306 L8
SIGNAL FROM PC–300808B — SHEET 308 B3
SWEET CW SUPP. FROM CWS–30–001 — SHEET 612 M9
SWEET CW RET. TO CWR–30–001 — SHEET 611 G13
REFORMED GAS TO E–3002 — SHEET 302 L5
PROCESS COND. TO D–1007 — SHEET 115 B5
REFORMED GAS FROM E–1005 — SHEET 104 B11
METHANOL SLOP. TO PML–30–10–071 — SHEET 312 E10
METHANOL SLOP TO PML–30–04–026 — SHEET 312 E9
METHANOL SLOP TO PML–30–10–071 — SHEET 312 E9
METHANOL SLOP TO PML–30–04–023 — SHEET 312 E10
METHANOL SLOP TO PML–30–10–071 — SHEET 312 K12
SWEET CW SUPP. FROM CWS–30–001 — SHEET 612 M6
METHANOL SLOP. TO PML–30–10–071 — SHEET 312 K10

REV.	LF/PS	NAME	DATE	NAME	DATE	STATUS	KIND OF REVISION
		PREPARED/CHANGED		CHECKED		APPROVED	
13		E.N	30.10.21	S.Heydari	E.Babaei	30.10.21	ASBUILT REVISED AS MARKED
12		E.N	11.10.21	B.N	SH.SH	11.10.21	ASBUILT REVISED AS MARKED
11		E.N	13.12.20	SH.SH			ASBUILT REVISED AS MARKED
10		R.P	10.09.13	A.R	M.N	10.09.13	ASBUILT REVISED AS MARKED
9		R.P	21.06.13	E.B	M.N	21.06.13	ASBUILT REVISED AS MARKED

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SCALE: ORIGINAL SIZE:
NOMINATION: E-3005, E-3006, E-3007 A/B, T-3002
BASIC DOCUMENT:
DCC DG DL–NO. RT
JOB NAME: MEGA METHANOL IRAN

OWNER: NATIONAL PETROCHEMICAL COMPANY ZAGROS PETROCHEMICAL COMPLEX شرکت پتروشیمی زاگرس
PROJECT: 4th METHANOL PROJECT
OWNER: | CONTRACTOR: | DWG. NO. DIG–PI–33 | REV. 13
CONTRACTOR: PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY شرکت طراحی ومهندسی صنایع پتروشیمی
ZPC PROJ.NO. 4040427 | PIDEC PROJ.NO. 1175 | DWG. NO. P–30–1–PR–004 | REV. 13
ITD engineering Lurgi

METHANOL DISTILLATION
PRESSURE COLUMN
UNIT 300
P&I DIAGRAM SHEET 304

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