

NOTES

BATTERY LIMIT NOZZLE LIST					
ITEM NO.	DESCRIPTION	SIZE	RATING	FACING	FINISH
T-01	HEXANE INLET	18"	300#	RF	150-250-AARH
T-02	HEXANE OUTLET	18"	300#	RF	150-250-AARH
T-03	INSTRUMENT AIR	3/4"	150#	RF	150-250-AARH
T-04	BLOW DOWN GAS	8"	150#	RF	150-250-AARH
T-05	JACKET WATER SUPPLY	12"	150#	RF	150-250-AARH
T-06	JACKET WATER RETURN	12"	150#	RF	150-250-AARH
T-07	PROPYLENE	1"	300#	RF	150-250-AARH
T-08	NITROGEN	3/4"	150#	RF	150-250-AARH

CLIENT:	MC	CONTRACTOR:
		 

This document is the property of DPIC. Any unauthorized attempt to reproduce it, in any form, is strictly prohibited.

PROJECT TITLE:
**DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
 DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT**

DRAWING TITLE:
PIPING AND INSTRUMENT DIAGRAM (P&ID)

DOCUMENT No: **DPIC9812-000-VD-1002-ME-PID-0010** SC: **A1**

Proj. Code	Area No.	VD	PO No.	Disc. Code	Doc. Type	Serial No.	Rev.	Sheet No.
DPIC9812	000	VD	1002	ME	PID	010	D1	1 OF 4

PURCHASER'S COMMENT/APPROVAL STATUS

1. AP: Approved (Released for Manufacturing)
 2. AN: Approved With Minor Comments (Fabrication may Proceed)
 3. NF: Approved With Comments (Fabrication not Proceed)
 4. RJ: Rejected
 5. NR: Not be Returned

Date: XX.XX.XX Signature: _____

PURCHASER: _____

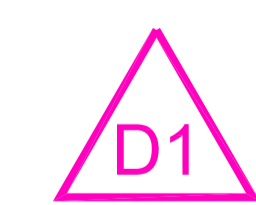
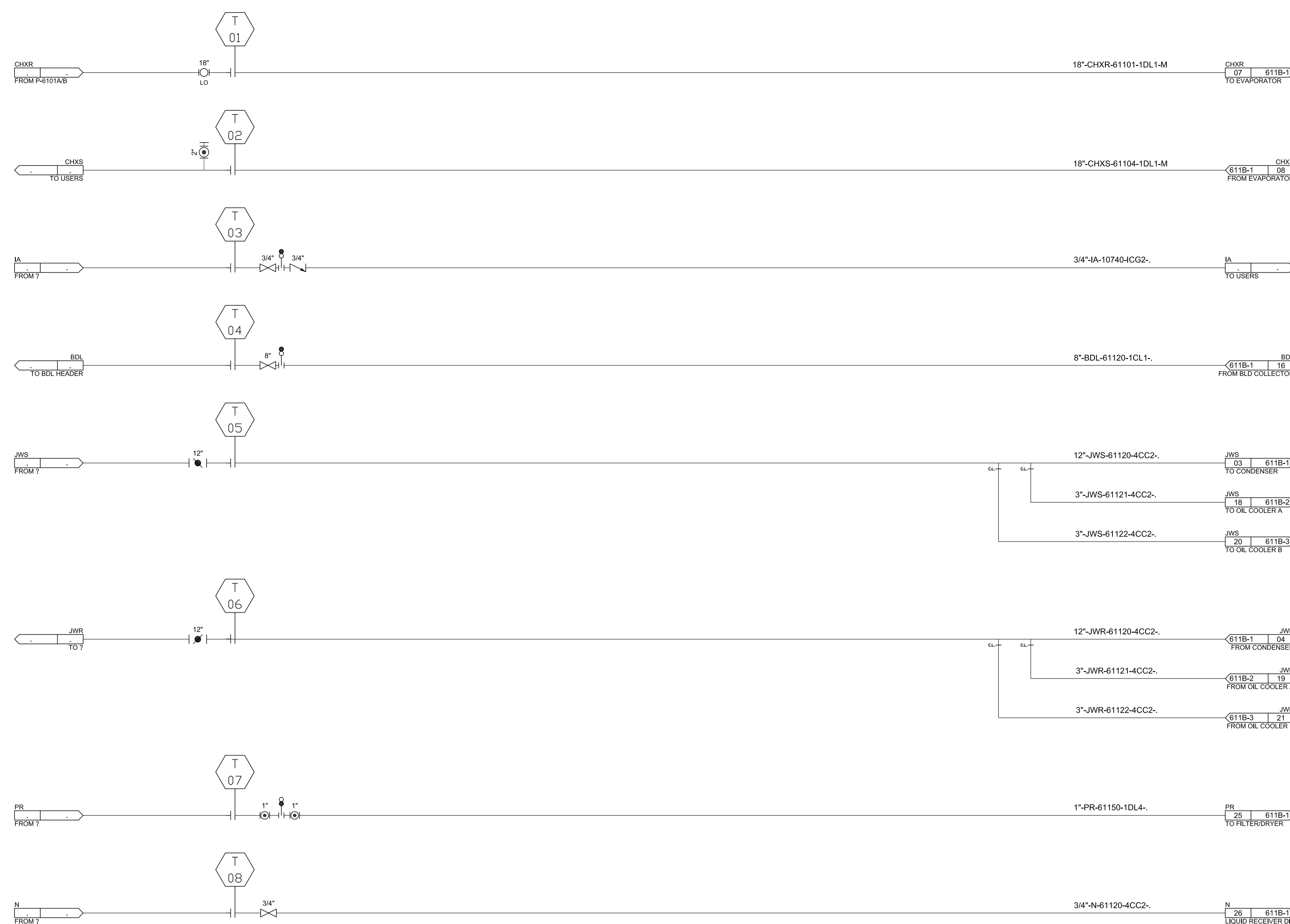
REQUISITION NO.: DPIC98-12-001-000-ME-MR-
 ITEM NO. (TAG NO.): PK-6101

VENDOR DOC. NO.: DPIC98-12-000-VD-1002-ME-PID-010-D1

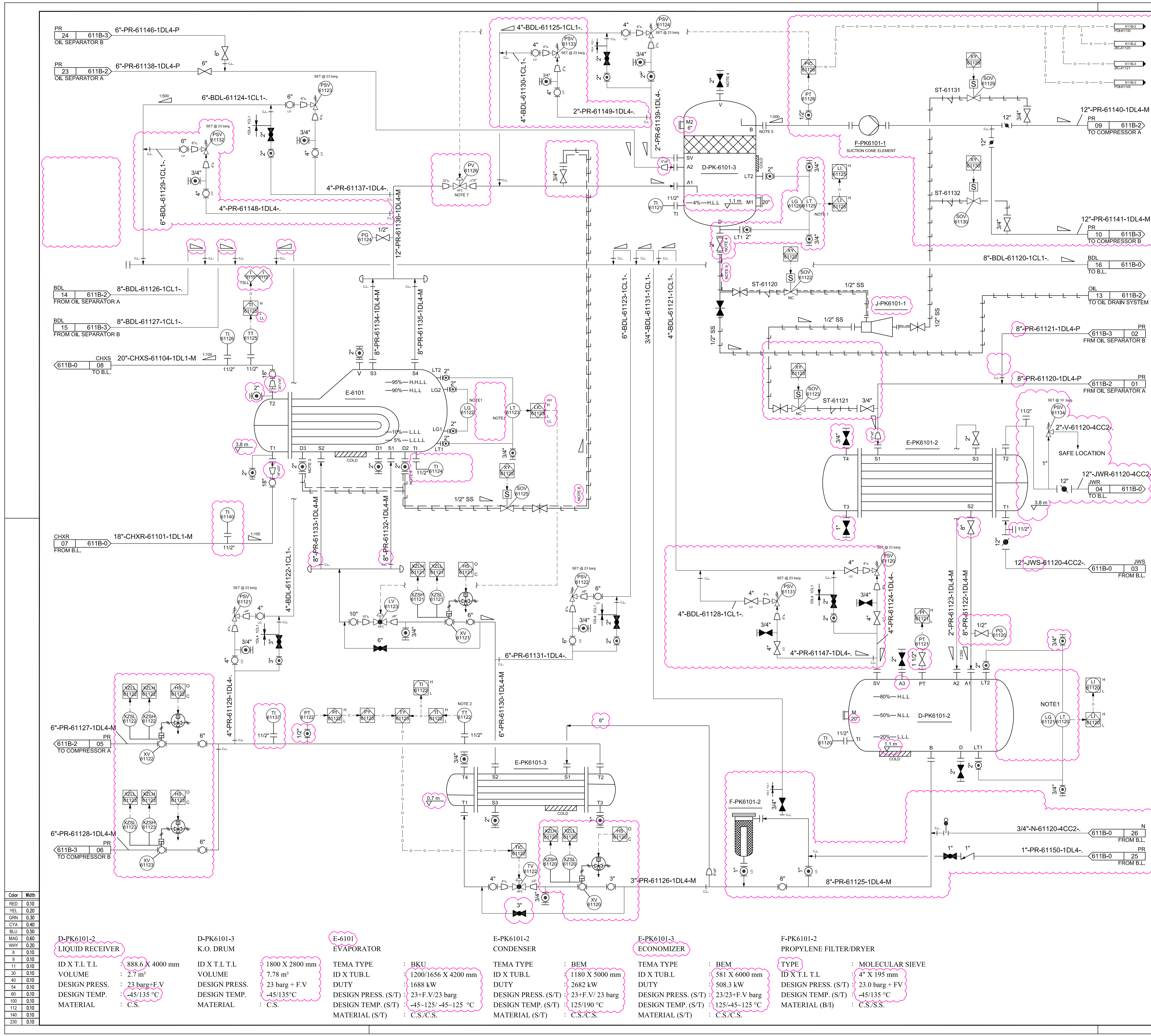
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
D1	29-Dec-21	ISSUE FOR APPROVAL	R.GOURAZI	A.MALEKINA	A.MALEKINA
D0	01-09-2021	ISSUE FOR APPROVAL	R.GOURAZI	A.MALEKINA	A.MALEKINA



KASRAVAND CO.



Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
8	0.10
9	0.10
11	0.10
30	0.10
40	0.10
54	0.10
60	0.10
100	0.10
112	0.10
140	0.10
200	0.10



NOTES

- NOTE 1: LT & LG ARE MAGNETIC TYPE.
- NOTE 2: TEMP. TRANSMITTER TO BE LOCATED AS FAR AS POSSIBLE FROM ECONOMIZER
- NOTE 3: OIL RECOVERY NOZZLE.
- NOTE 4: NITROGEN FILL OR PURGE/DRAIN.
- NOTE 5: DELETED.
- NOTE 6: ELECTRICAL TRACING. T= 30 °C.
- NOTE 7: TYPE OF CV WILL BE DEFINED LATER.

Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
8	0.10
9	0.10
11	0.10
30	0.10
40	0.10
54	0.10
60	0.10
100	0.10
112	0.10
140	0.10
200	0.10

D-PK6101-2
LIQUID RECEIVER
ID X T.L T.L : 888.6 X 4000 mm
VOLUME : 2.7 m³
DESIGN PRESS. : 23 barg+F.V
DESIGN TEMP. : -45/135 °C
MATERIAL : C.S.

D-PK6101-3
K.O. DRUM
ID X T.L T.L : 1800 X 2800 mm
VOLUME : 7.78 m³
DESIGN PRESS. : 23 barg + F.V
DESIGN TEMP. : -45/135°C
MATERIAL : C.S.

E-6101
EVAPORATOR
TEMA TYPE : B KU
ID X TUB.L : 1200/1656 X 4200 mm
DUTY : 1688 kW
DESIGN PRESS. (S/T) : 23+F.V/23 barg
DESIGN TEMP. (S/T) : -45-125/ -45-125 °C
MATERIAL (S/T) : C.S./C.S.

E-PK6101-2
CONDENSER
TEMA TYPE : BEM
ID X TUB.L : 1180 X 5000 mm
DUTY : 2682 kW
DESIGN PRESS. (S/T) : 23+F.V/ 23 barg
DESIGN TEMP. (S/T) : 125/45-125 °C
MATERIAL (S/T) : C.S./C.S.

E-PK6101-3
ECONOMIZER
TEMA TYPE : BEM
ID X TUB.L : 581 X 6000 mm
DUTY : 508.3 kW
DESIGN PRESS. (S/T) : 23/23+F.V barg
DESIGN TEMP. (S/T) : 125/45-125 °C
MATERIAL (S/T) : C.S./C.S.

F-PK6101-2
PROPYLENE FILTER/DRYER
TYPE : MOLECULAR SIEVE
ID X T.L T.L : 4" X 195 mm
DESIGN PRESS. (S/T) : 23.0 barg + FV
DESIGN TEMP. (S/T) : -45/135 °C
MATERIAL (B/I) : C.S./S.S.

CLIENT: 	MC 	CONTRACTOR:
-------------	--------	-----------------

This document is the property of DPIC. Any unauthorized attempt to reproduce it, in any form, is strictly prohibited.

PROJECT TITLE:
DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT

DRAWING TITLE:
PIPING AND INSTRUMENT DIAGRAM (P&ID)

DOCUMENT No:
DPIC9812-000-VD-1002-ME-PID-010

Proj. Code	Area No.	VD	PO No.	Disc. Code	Doc. Type	Serial No.	Rev.	Sheet No.
DPIC9812	000	VD	1002	ME	PID	010	D1	2 OF 4

PURCHASER'S COMMENT/APPROVAL STATUS

1. AP: Approved (Released for Manufacturing)
 2. AN: Approved With Minor Comments (Fabrication may Proceed)
 3. NR: Approved With Comments (Fabrication not Proceed)
 4. RJ: Rejected
 5. NR: Not Returned

Date: XX.XX.XX

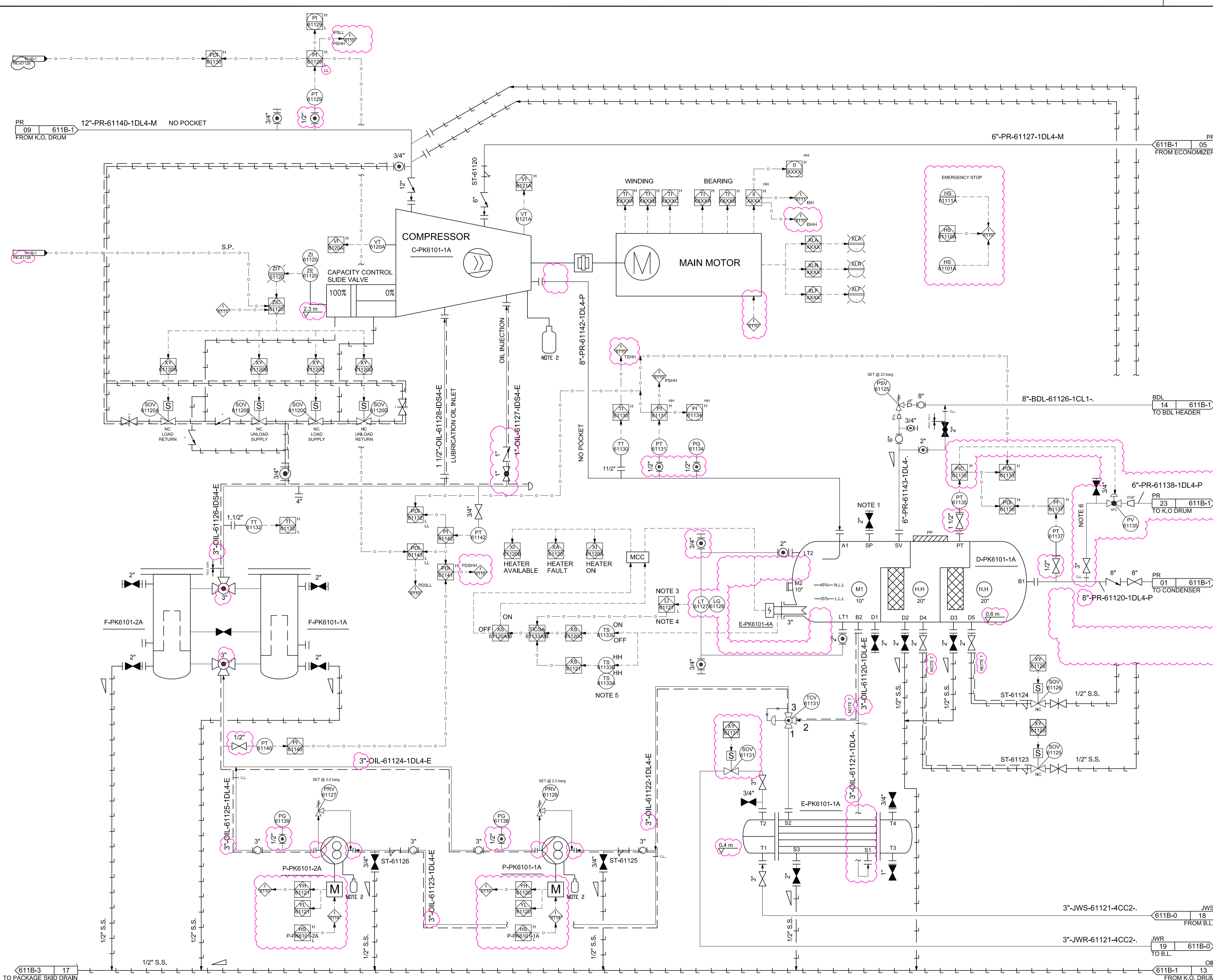
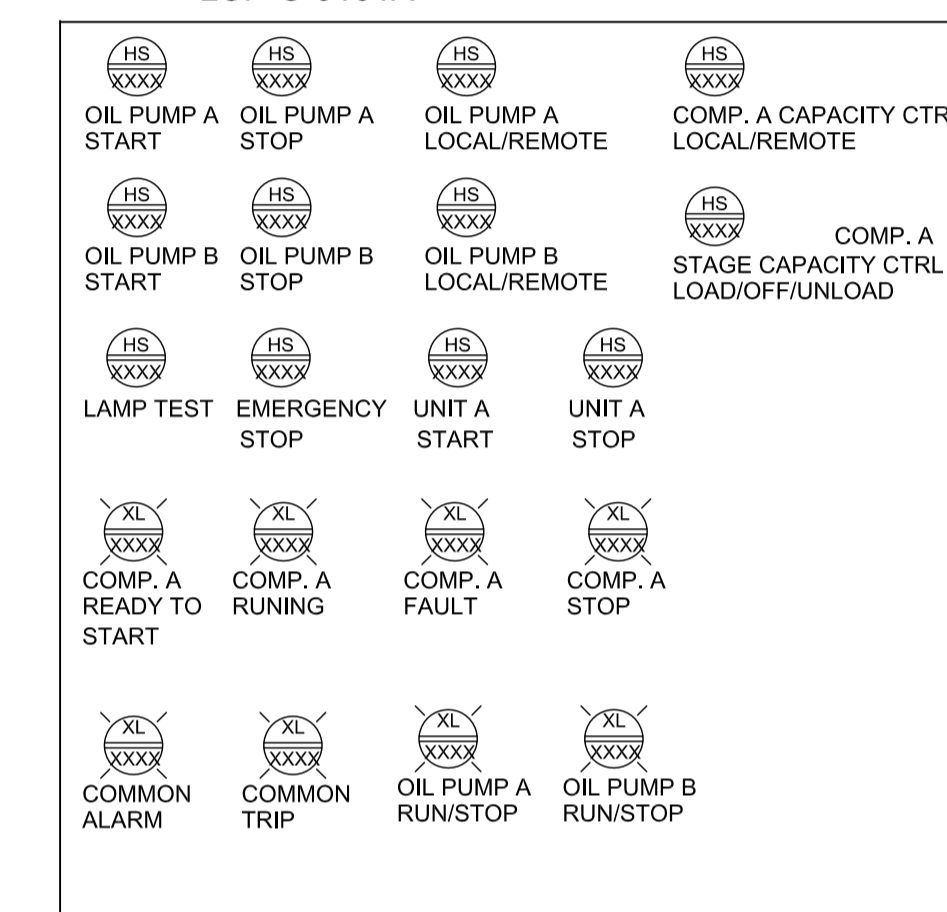
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
01	29-Dec-21	ISSUE FOR APPROVAL	R.GOURDARI	A.MALEKINIA	A.MALEKINIA
02	01-09-2021	ISSUE FOR APPROVAL	R.GOURDARI	A.MALEKINIA	A.MALEKINIA



NOTES

- NOTE 1: OIL FILL UP & VACUUM CONNECTION.
- NOTE 2: COLLECTION POT TO BE EMPTIED ONCE EVERY (X) WEEKS TIME.
- NOTE 3: MAGNETIC TYPE.
- NOTE 4: START PERMISSION FOR OIL SEPARATOR HEATER.
- NOTE 5: 61133A= BOX CUT OUT SWITCH.
61133B= OVERHEAT SWITCH.
- NOTE 6: START UP BYPASS.
- NOTE 7: ELECTRICAL TRACING. T= 30 °C.

LCP-C-6101A



Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
8	0.10
9	0.10
11	0.10
30	0.10
40	0.10
54	0.10
60	0.10
100	0.10
112	0.10
140	0.10
200	0.10

Item	Description	Specifications
C-PK6101-A	SCREW COMPRESSOR	RATED POWER : 1400 kW DP PRESSURE : 17.65 bar MANUFACTURER : MAYEKAWA COMP. TYPE : OIL FLOODED SCREW MAYEKAWA TYPE : PPN320UD-ME
D-PK6101-1A	OIL SEPARATOR	ID X HEIGHT : 1041.4 X 6604 mm VOLUME : 5.9 m ³ DESIGN PRESS. : 20.69 barg DESIGN TEMP. : -42.8/107.2 °C MATERIAL : C.S.
E-PK6101-1A	OIL COOLER	TEMA TYPE : BEM ID X TUB.L : 381 X 3000 mm DUTY : 209 kW DESIGN PRESS. (S/T) : 25/25 barg DESIGN TEMP. (S/T) : 120/190 °C MATERIAL (S/T) : C.S./C.S.
F-PK6101-1A/2A	OIL FILTER	TYPE : CARTRIDGE ID X T.L.T.L : 8" X 1300 mm DESIGN PRESS. (S/T) : 25.0 barg + FV DESIGN TEMP. (S/T) : 120 °C MATERIAL (B/I) : C.S./S.S.
P-PK6101-1A/2A	OIL PUMP	TYPE : GEAR FLOW : 240 L/min DESIGN PRESS. : 25 barg DESIGN TEMP. : 120 °C POWER : 7.5 kW DP : 5.2 MATERIAL : C.S.

CLIENT: MC: CONTRACTOR:

This document is the property of DPIC. Any unauthorized attempt to reproduce it, in any form, is strictly prohibited.

PROJECT TITLE:
**DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT**

DRAWING TITLE:
PIPING AND INSTRUMENT DIAGRAM (P&ID)

DOCUMENT No: **DPIC9812-000-VD-1002-ME-PID-0010** SC. **SIZE: A1**

Proj. Code	Area No.	VD	PO No.	Disc. Code	Doc. Type	Serial No.	Rev.	Sheet No.
DPIC9812	000	VD	1002	ME	PID	010	D1	3 OF 4

PURCHASER'S COMMENT/APPROVAL STATUS

1. AP: Approved (Released for Manufacturing)
2. AN: Approved With Minor Comments (Fabrication may Proceed)
3. NR: Approved With Comments (Fabrication not Proceed)
4. RJ: Rejected
5. NR: Not to be Returned

DATE: XX.XX.XX Signature: _____

PURCHASER: _____
REQUISITION NO.: DPIC98-12-001-000-ME-MR-
ITEM NO. (TAG NO.): PK-6101
VENDOR DOC. NO.: DPIC98-12-000-VD-1002-ME-PID-010-D1

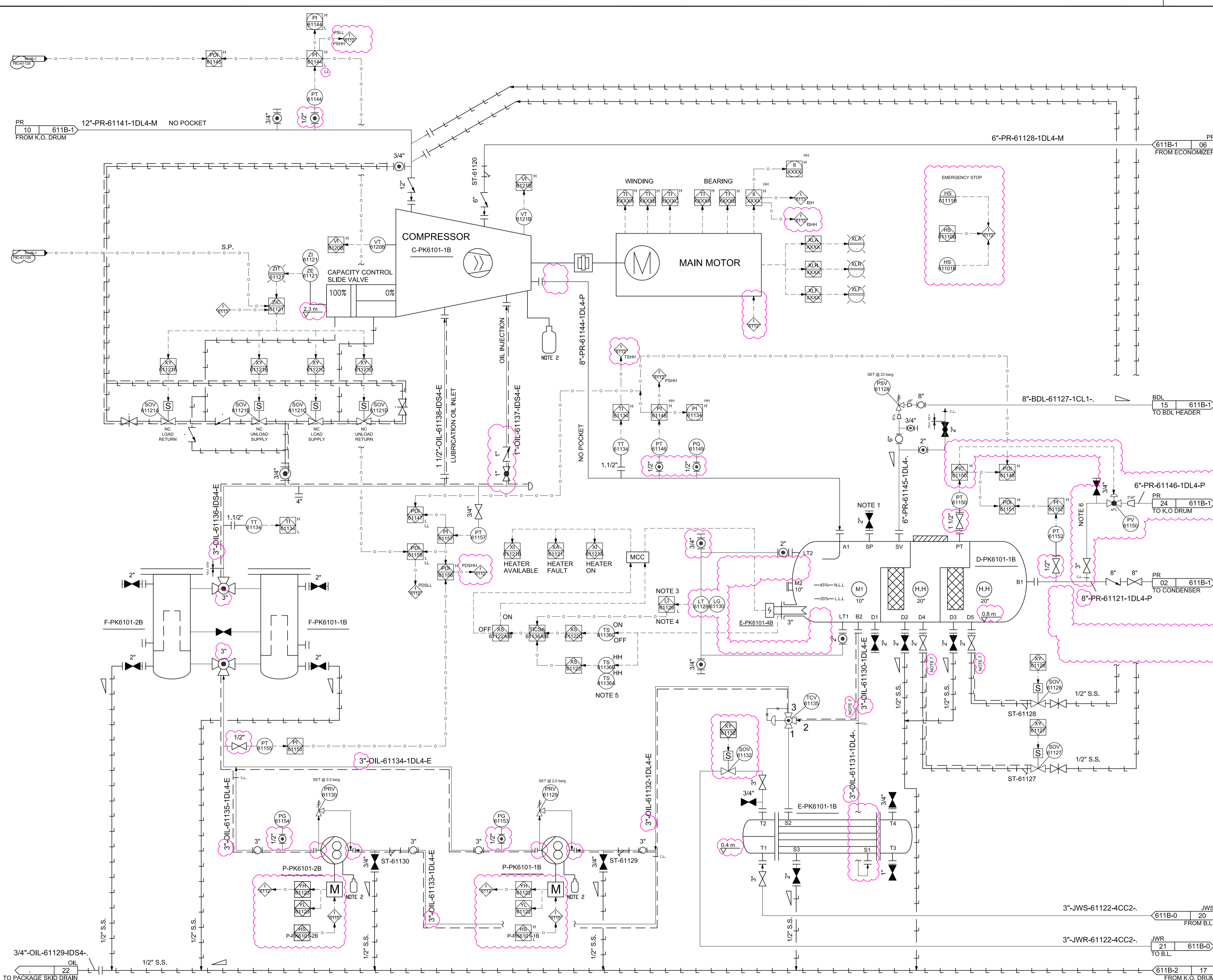
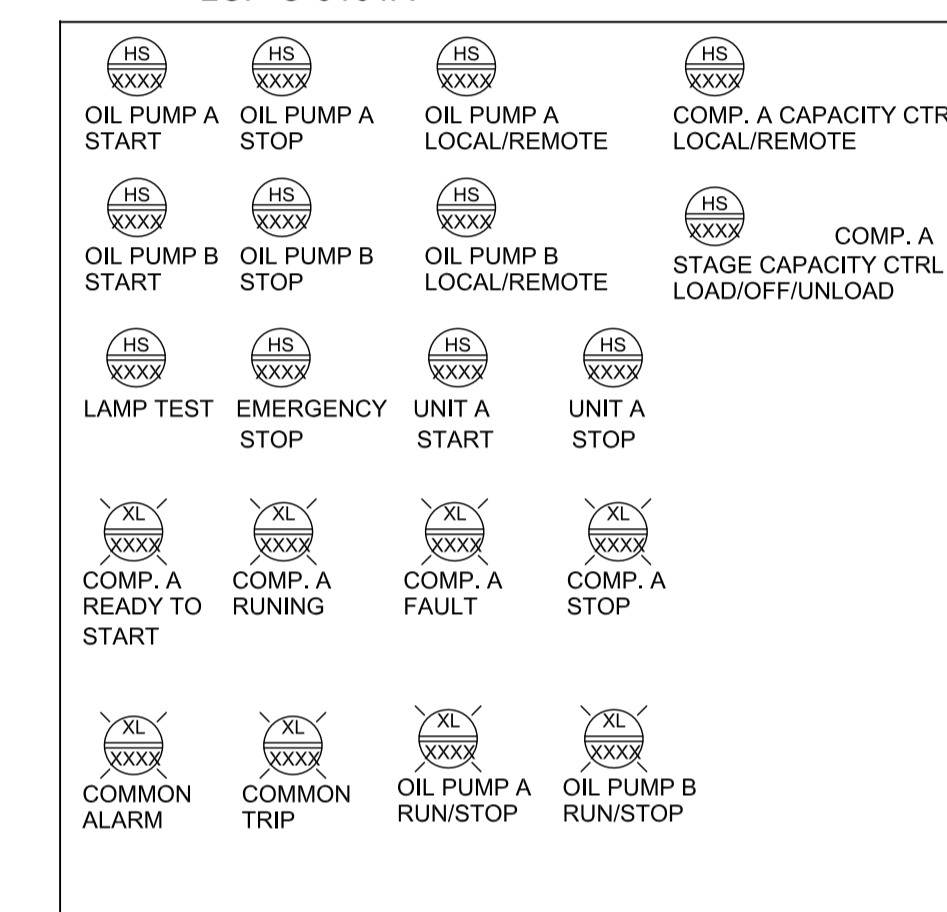
KASRAVAND CO.

REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
01	29-Dec-21	ISSUE FOR APPROVAL	R.GOURAZI	A.MALEKINI	A.MALEKINI
02	01-09-2021	ISSUE FOR APPROVAL	R.GOURAZI	A.MALEKINI	A.MALEKINI

NOTES

- NOTE 1: OIL FILL UP & VACUUM CONNECTION.
- NOTE 2: COLLECTION POT TO BE EMPTIED ONCE EVERY (X) WEEKS TIME.
- NOTE 3: MAGNETIC TYPE.
- NOTE 4: START PERMISSION FOR OIL SEPARATOR HEATER.
- NOTE 5: 61136A= BOX CUT OUT SWITCH.
61136B= OVERHEAT SWITCH.
- NOTE 6: START UP BYPASS.
- NOTE 7: ELECTRICAL TRACING. T= 30 °C.

LCP-C-6101A



Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
8	0.10
9	0.10
11	0.10
30	0.10
40	0.10
54	0.10
60	0.10
100	0.10
112	0.10
140	0.10
200	0.10

Equipment	Specifications
C-PK6101-B SCREW COMPRESSOR	RATED POWER : 1400 kW DP PRESSURE : 17.65 bar MANUFACTURER : MAYEKAWA COMP. TYPE : OIL FLOODED SCREW MAYEKAWA TYPE : PPN320LUD-ME
D-PK6101-1B OIL SEPARATOR	ID X HEIGHT : 1041.4 X 6604 mm VOLUME : 5.9 m ³ DESIGN PRESS. : 20.69 barg DESIGN TEMP. : -42.8/107.2 °C MATERIAL : C.S.
E-PK6101-1B OIL COOLER	TEMA TYPE : BEM ID X TUB.L : 381 X 3000 mm DUTY : 209 kW DESIGN PRESS. (S/T) : 25/25 barg DESIGN TEMP. (S/T) : 120/190 °C MATERIAL (S/T) : C.S./C.S.
F-PK6101-1B/2B OIL FILTER	TYPE : CARTRIDGE ID X T.L.T.L : 8" X 1300 mm DESIGN PRESS. (S/T) : 25.0 barg + FV DESIGN TEMP. (S/T) : 120 °C MATERIAL (B/I) : C.S./S.S.
P-PK6101-1B/2B OIL PUMP	TYPE : GEAR FLOW : 240 L/min DESIGN PRESS. : 25 barg DESIGN TEMP. : 120 °C POWER : 7.5 kW DP : 5.2 MATERIAL : C.S.

CLIENT: MC CONTRACTOR:

This document is the property of DPIC. Any unauthorized attempt to reproduce it, in any form, is strictly prohibited.

PROJECT TITLE:
**DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT**

DRAWING TITLE:
PIPING AND INSTRUMENT DIAGRAM (P&ID)

DOCUMENT No:	DPIC9812-000-VD-1002-ME-PID-0010	SC.	4150
Proj. Code	000	Area No.	VD
Rev.	01	Sheet No.	4 OF 4

REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
01	29-Dec-21	ISSUE FOR APPROVAL	R.GODDARDI	A.MALEKINIA	A.MALEKINIA
02	01-09-2021	ISSUE FOR APPROVAL	R.GODDARDI	A.MALEKINIA	A.MALEKINIA
03					

