

**PIPING AND RELEVANT COMPONENTS**

ITEM	SYMBOL	DEMONINATION
01		MAIN PROCESS (THK 0.8)
02		SECONDARY PROCESS (THK 0.6)
03		UTILITY, MAIN PROCESS AND SPACE MACHINE (THK 0.3)
04		DIRECT CONNECTION
05		MANUAL LOADING
06		HEAT TRACED PIPELINE
07		VENDOR PACKAGE
08		UNDERGROUND PIPING
09		JACKETED
10		HOSE
11		WITH BLIND FLANGE
12		WITH SPECIAL FLANGE
13		WITH PLUG
14		WITH CAP
15		WITH REDUCER
16		WITH OPEN FUNNEL
17		WITH CLOSED FUNNEL
18		WITH SPRAY NOZZLE
19		FLANGE CONNECTION
20		ELECTRODE

**PIPING SYMBOLS**

ITEM	SYMBOL	DEMONINATION
01		UPWARD VENT
02		DOWNWARD VENT
03		LATERAL VENT
04		WITH DAMPER OR SILENCER
05		WITH FLAME TRAP
06		PULSATION DAMPENER
07		GATE
08		CHECK
09		GLOBE
10		PISTON VALVE
11		PISTON VALVE WITH HANDWHEEL
12		Y-GLOBE VALVE
13		NEEDLE
14		BELLOWS
15		DIAPHRAGM
16		PINCH
17		SPRINGLOCKING VALVE

**PIPING COMPONENTS**

ITEM	SYMBOL	DEMONINATION
01		SPECIAL BLIND (CLOSED)
02		SPECIAL BLIND (OPEN)
03		TEMPORARY STRAINER
04		Y-STRAINER
05		T-STRAINER
06		CONTROL STRAINER
07		SIGHT FLOW GLASS
08		WATER
09		STEAM TRAP
10		TRACING MANIFOLD (SUPPLY OR DISCHARGE)
11		GAS TRAP
12		SLENDER
13		VORTEX BREAKER
14		SWING ELBOW
15		FILTER FOR COMPRESSOR
16		FILTER (GENERAL)
17		REMOVABLE SPOOL PIECE
18		MINIMUM DISTANCE

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (1)**

ITEM	SYMBOL	DEMONINATION
01		ON LINES
02		ON EQUIPMENT
03		WITH PRE-ARRANGED MANIFOLD VALVE
04		ON LINES - LOCAL INSTRUMENT
05		ON LINES - REMOTE INSTRUMENT
06		ON LINES - REMOTE INSTRUMENT
07		ON LINES AND EQUIPMENT
08		ON FLANGED NOZZLE
09		ON FLANGED NOZZLE WITH PLUG VALVE
10		ON FLANGED NOZZLE WITH BALL VALVE
11		BY-PASS ON GATE VALVE

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (2)**

ITEM	SYMBOL	DEMONINATION
01		WITH GATE VALVES
02		WITH PLUG VALVES
03		WITH BALL VALVES
04		WITH GATE VALVES
05		WITH PLUG VALVES
06		WITH BALL VALVES
07		WITH GATE VALVES
08		WITH PLUG VALVES
09		WITH BALL VALVES
10		WITH GATE VALVES
11		WITH PLUG VALVES
12		WITH BALL VALVES

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (3)**

ITEM	SYMBOL	DEMONINATION
01		ON LINES AND EQUIPMENT
02		ON LINES AND EQUIPMENT
03		ON LINES AND EQUIPMENT
04		ON LINES AND EQUIPMENT
05		ON LINES AND EQUIPMENT
06		ON LINES AND EQUIPMENT
07		ON LINES AND EQUIPMENT
08		ON LINES AND EQUIPMENT
09		ON LINES AND EQUIPMENT
10		ON LINES AND EQUIPMENT
11		ON LINES AND EQUIPMENT
12		ON LINES AND EQUIPMENT
13		ON LINES AND EQUIPMENT
14		ON LINES AND EQUIPMENT
15		ON LINES AND EQUIPMENT
16		ON LINES AND EQUIPMENT
17		ON LINES AND EQUIPMENT
18		ON LINES AND EQUIPMENT
19		ON LINES AND EQUIPMENT
20		ON LINES AND EQUIPMENT

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (4)**

ITEM	SYMBOL	DEMONINATION
01		ON LINES AND EQUIPMENT
02		ON LINES AND EQUIPMENT
03		ON LINES AND EQUIPMENT
04		ON LINES AND EQUIPMENT
05		ON LINES AND EQUIPMENT
06		ON LINES AND EQUIPMENT
07		ON LINES AND EQUIPMENT
08		ON LINES AND EQUIPMENT
09		ON LINES AND EQUIPMENT
10		ON LINES AND EQUIPMENT
11		ON LINES AND EQUIPMENT
12		ON LINES AND EQUIPMENT
13		ON LINES AND EQUIPMENT
14		ON LINES AND EQUIPMENT
15		ON LINES AND EQUIPMENT
16		ON LINES AND EQUIPMENT
17		ON LINES AND EQUIPMENT
18		ON LINES AND EQUIPMENT
19		ON LINES AND EQUIPMENT
20		ON LINES AND EQUIPMENT

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (5)**

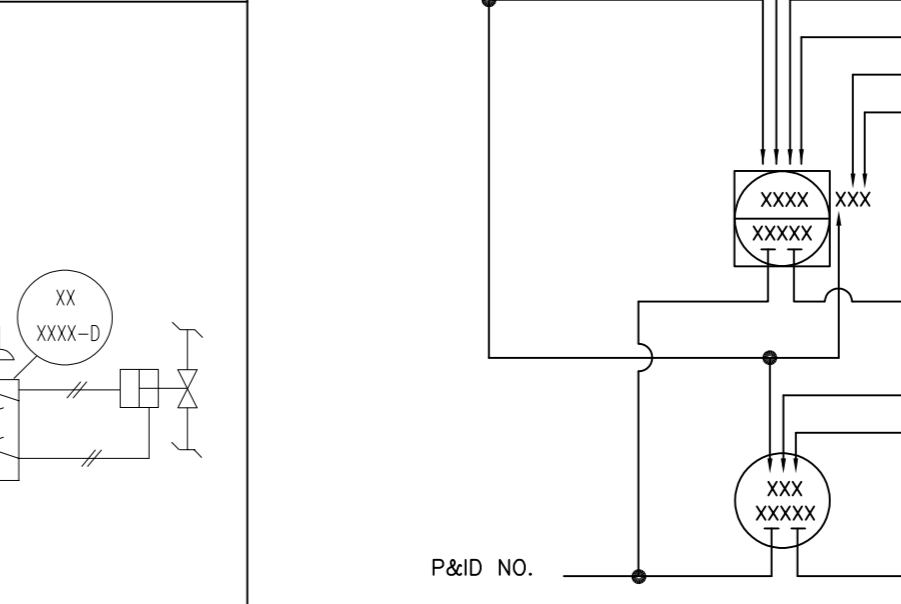
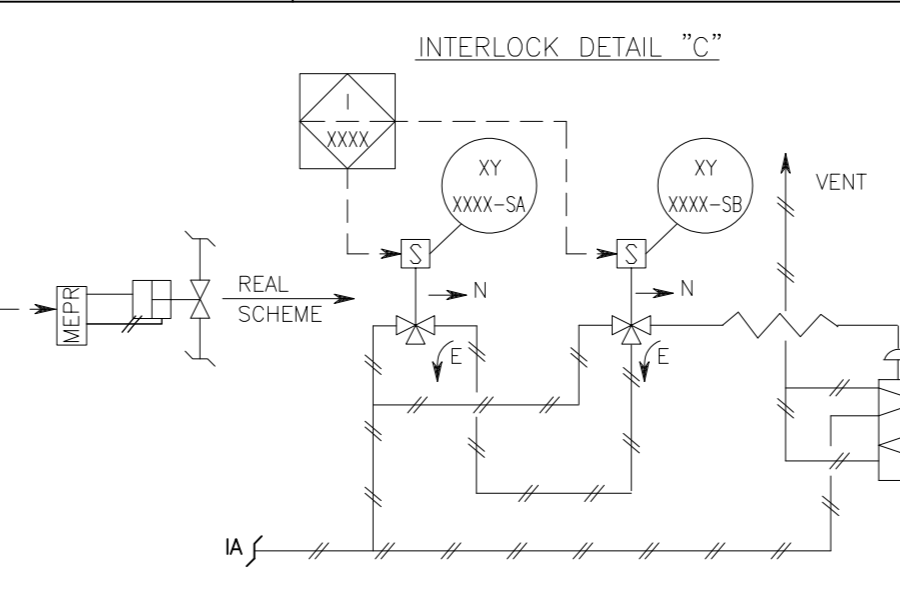
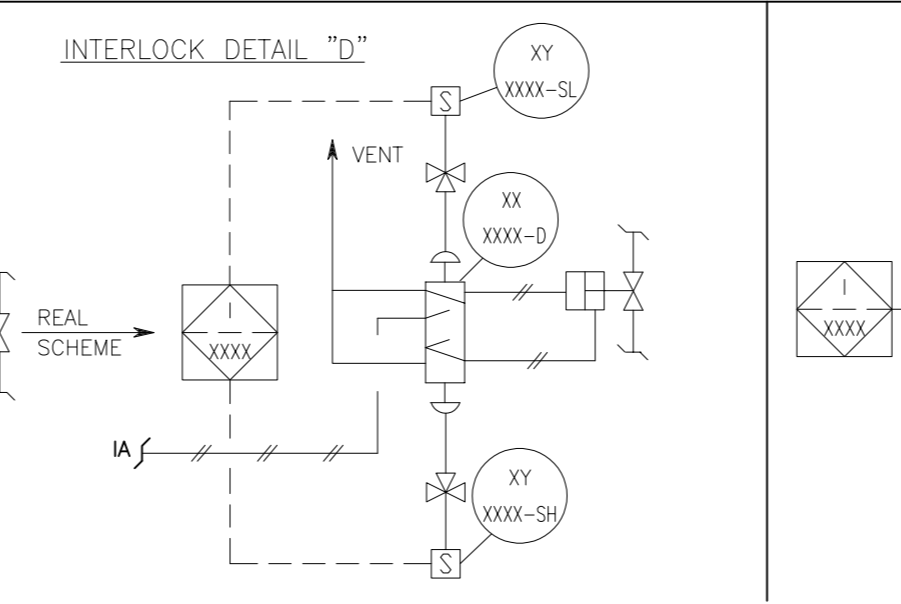
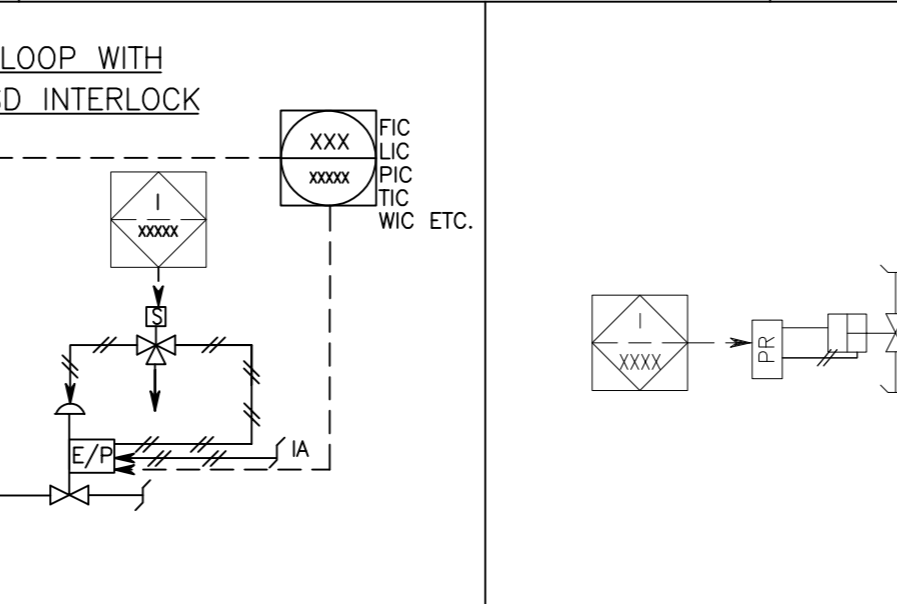
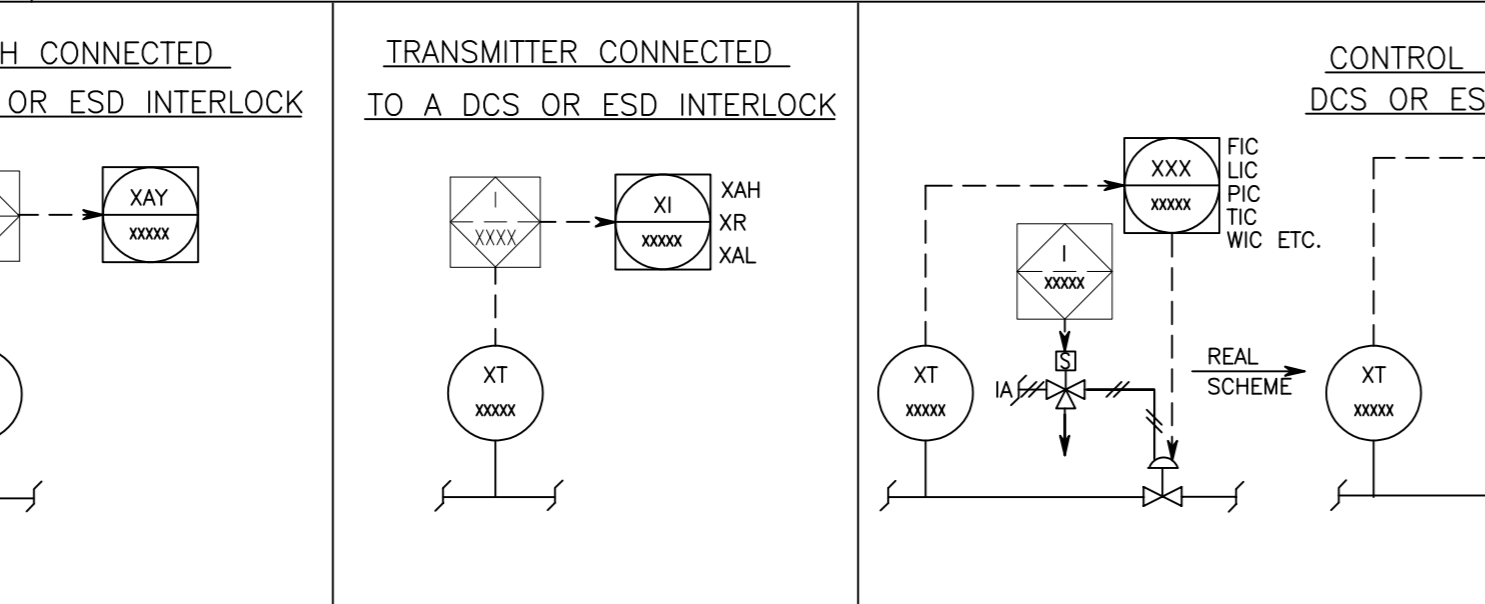
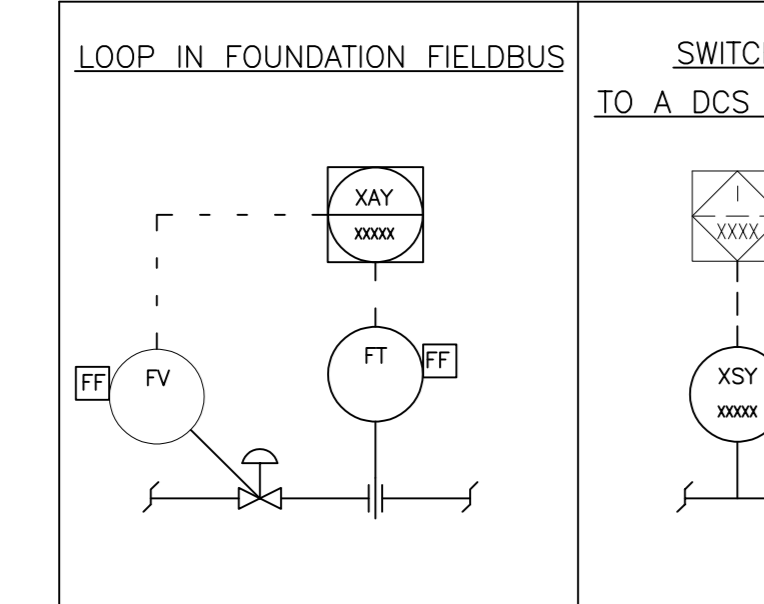
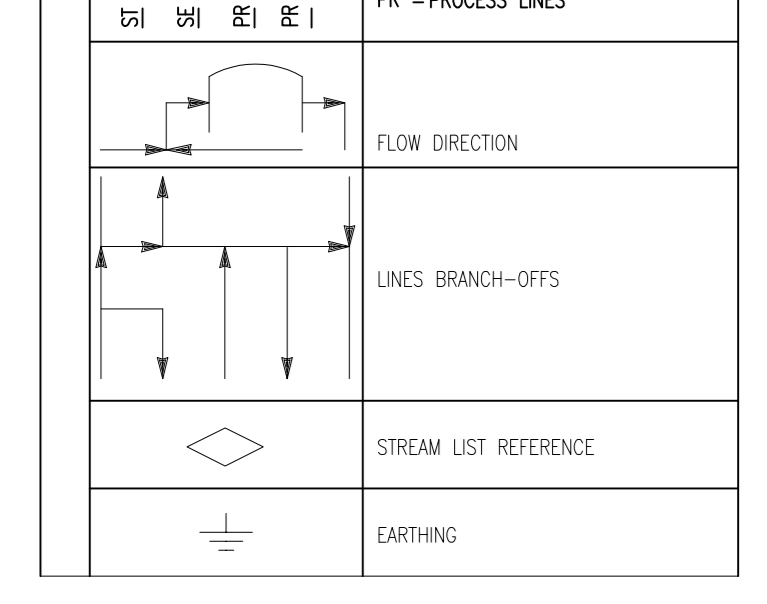
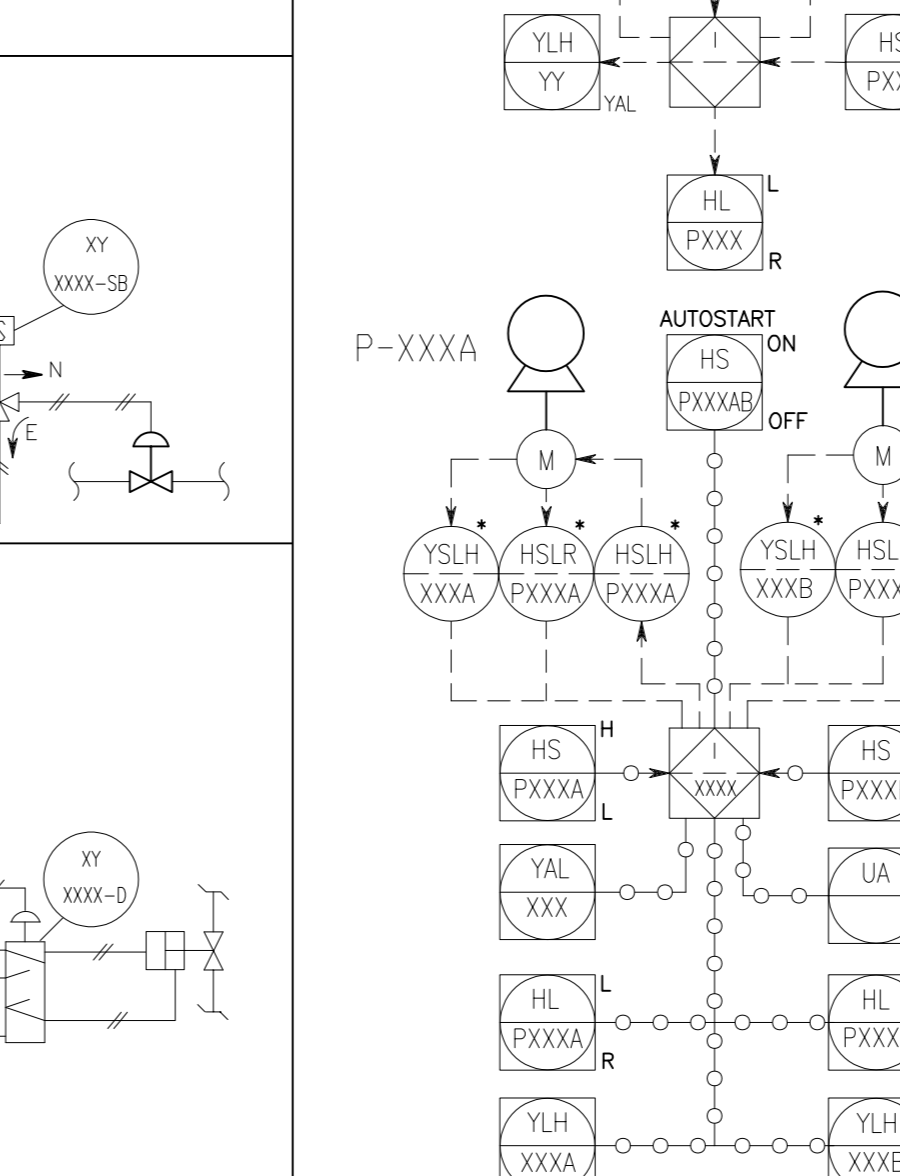
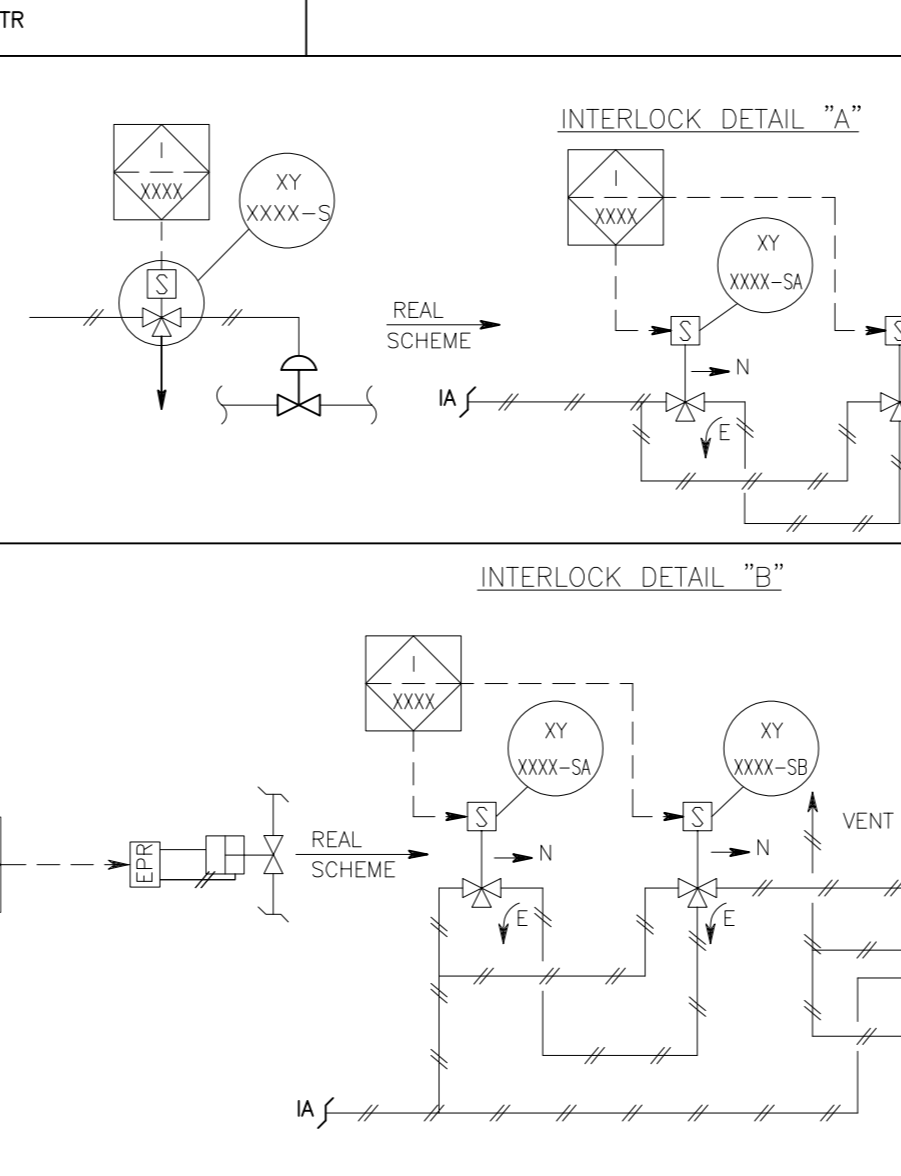
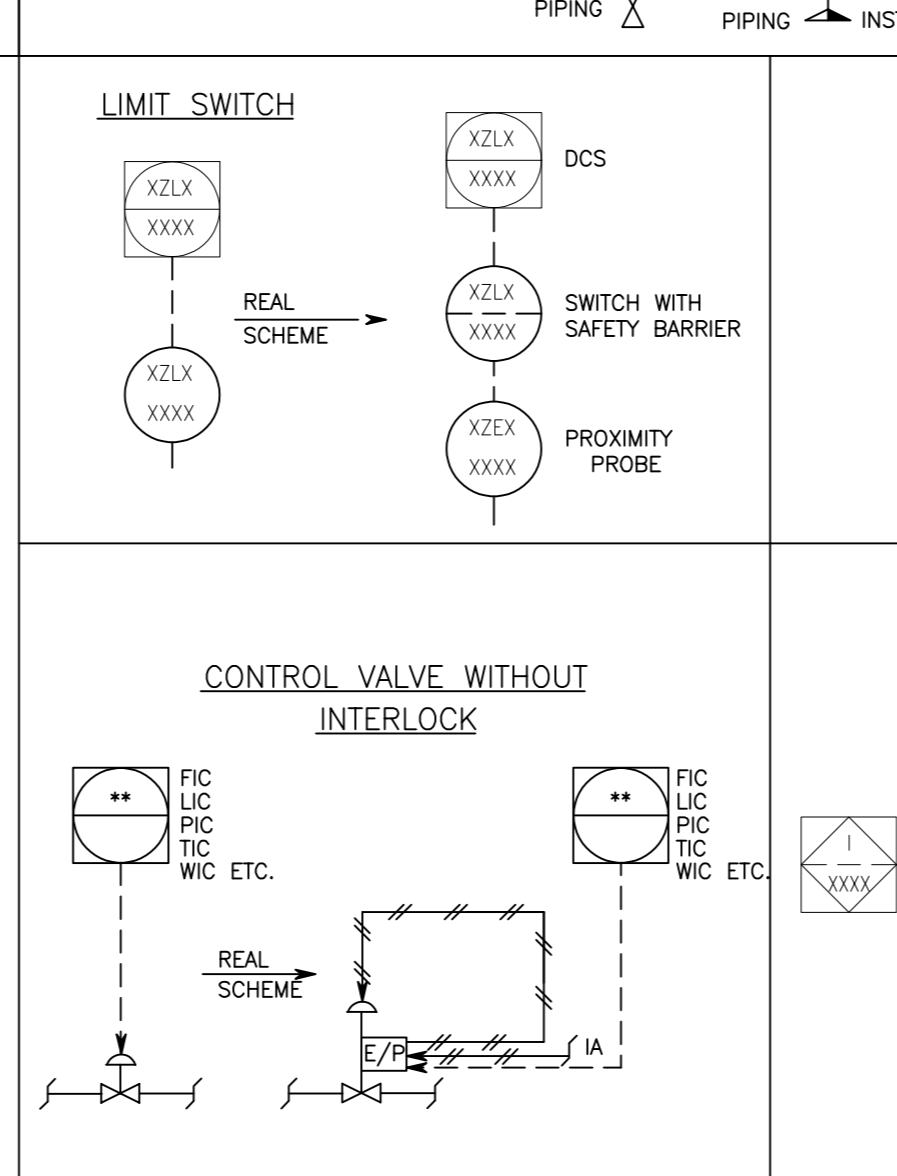
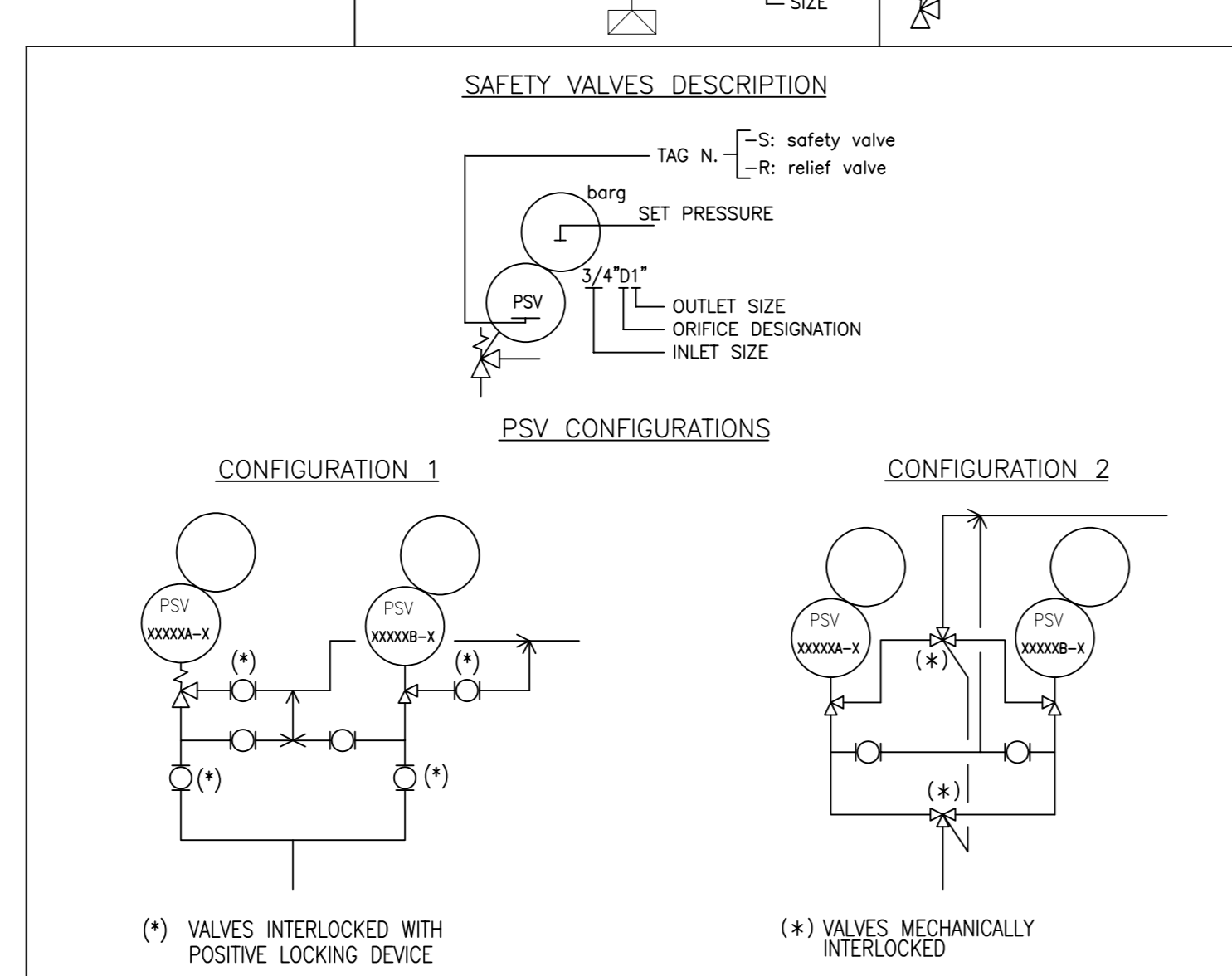
ITEM	SYMBOL	DEMONINATION
01		ON LINES AND EQUIPMENT
02		ON LINES AND EQUIPMENT
03		ON LINES AND EQUIPMENT
04		ON LINES AND EQUIPMENT
05		ON LINES AND EQUIPMENT
06		ON LINES AND EQUIPMENT
07		ON LINES AND EQUIPMENT
08		ON LINES AND EQUIPMENT
09		ON LINES AND EQUIPMENT
10		ON LINES AND EQUIPMENT
11		ON LINES AND EQUIPMENT
12		ON LINES AND EQUIPMENT
13		ON LINES AND EQUIPMENT
14		ON LINES AND EQUIPMENT
15		ON LINES AND EQUIPMENT
16		ON LINES AND EQUIPMENT
17		ON LINES AND EQUIPMENT
18		ON LINES AND EQUIPMENT
19		ON LINES AND EQUIPMENT
20		ON LINES AND EQUIPMENT

**VARIOUS INDICATORS**

SYMBOL	DEMONINATION
	FLOW ARROW FOR UTILITY AND INSTRUMENT LINES AND PROCESS LINES
	LINE CHANGE
	NO POCKET
	SLOPE
	INTERRUPTIONS OF INTERSECTING LINES (NOT CONNECTED EACH OTHER)
	LINES BRANCH-OFFS
	STREAM LIST REFERENCE
	EARTHING

**TYPICAL SYMBOLS OF PROTECTIVE EQUIPMENT**

SYMBOL	DEMONINATION
	EMERGENCY SHOWER AND EYE-WASH SET
	EMERGENCY SHOWER
	EYE-WASH FOUNTAIN



**PIPING SYMBOLS**

**PIPING COMPONENTS**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (1)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (2)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (3)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (4)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (5)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (6)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (7)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (8)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (9)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (10)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (11)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (12)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (13)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (14)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (15)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (16)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (17)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (18)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (19)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (20)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (21)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (22)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (23)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (24)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (25)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (26)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (27)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (28)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (29)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (30)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (31)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (32)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (33)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (34)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (35)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (36)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (37)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (38)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (39)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (40)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (41)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (42)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (43)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (44)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (45)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (46)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (47)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (48)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (49)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (50)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (51)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (52)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (53)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (54)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (55)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (56)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (57)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (58)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (59)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (60)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (61)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (62)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (63)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (64)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (65)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (66)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (67)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (68)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (69)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (70)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (71)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (72)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (73)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (74)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (75)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (76)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (77)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (78)**

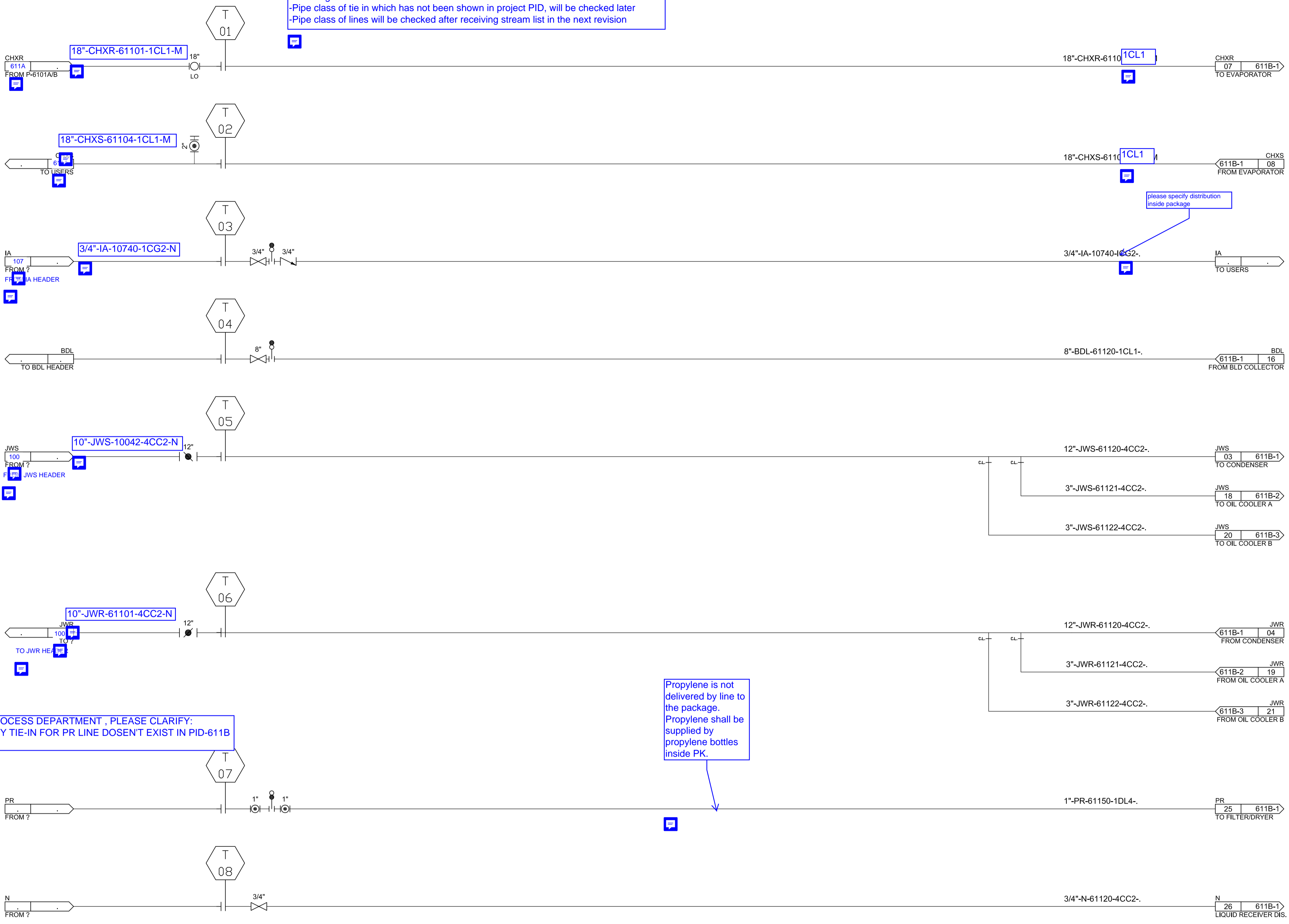
**PIPING COMPONENTS - TYPICAL INSTALLATIONS (79)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (80)**

**PIPING COMPONENTS - TYPICAL INSTALLATIONS (81)**

**PIPING COMPONENTS - TYPICAL**

-vendor BL shall be marked on the PIDs  
 -next to serial number for all lines inside package (PK) shall be marked  
 -Finishing of all lines shall be shown  
 -Pipe class of tie in which has not been shown in project PID, will be checked later  
 -Pipe class of lines will be checked after receiving stream list in the next revision

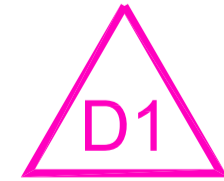


please specify distribution inside package

Propylene is not delivered by line to the package. Propylene shall be supplied by propylene bottles inside PK.

PROCESS DEPARTMENT, PLEASE CLARIFY: ANY TIE-IN FOR PR LINE DOESN'T EXIST IN PID-611B

PLEASE, ACC. TO PID-611B SHOW TIE-IN FOR LINE X<sup>3</sup>-BDG-61110-1CL1-N (OUT LET OF PSV-61102SAS/BS)



NOTES

BATTERY LIMIT NOZZLE LIST					
ITEM NO.	DESCRIPTION	SIZE	RATING	FACING	FINISH
T-01	HEXANE INLET	18"	150#	RF	150-250-AARH
T-02	HEXANE OUTLET	18"	150#	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: 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	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: \_\_\_\_\_

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



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

BDL have been referred to blow down flare system, destination should be checked.

1- please specify problem. all rules of your legend has been followed.  
 NEC Reply: Lines, valves/closed valve shall be defined by NC, instrument logic symbol, Equipment such as filter and gear pump and etc.  
 2- what does FINISHING mean?  
 NEC Reply: insulation requirement.  
 3- ok  
 4- This is not mentioned in the contract  
 NEC Reply: It is mentioned in package data sheet (MR attachment) instrumentation section Page 14/16 Note2.  
 5- in next revisions.

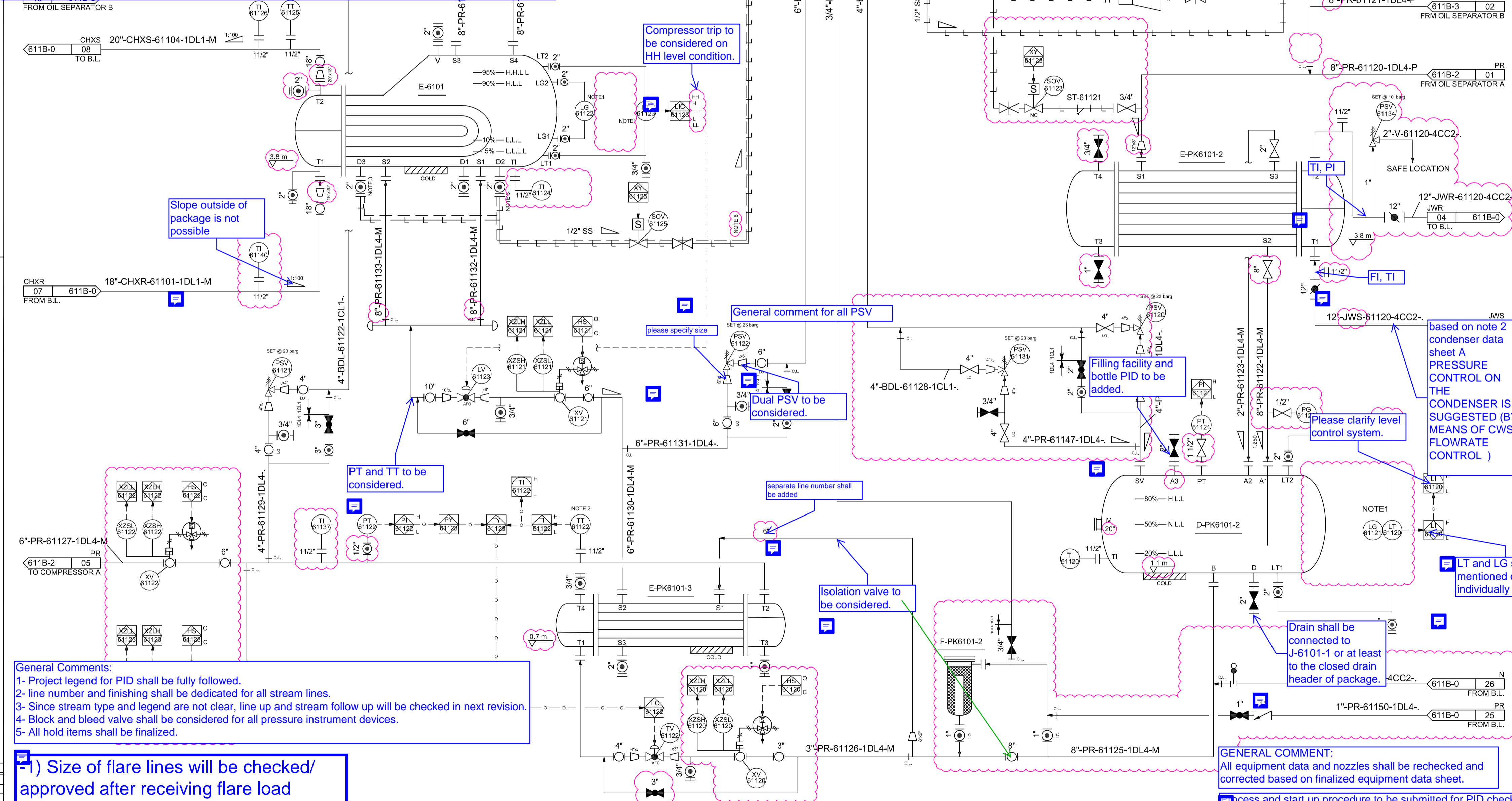
please clarify magnet type level transmitter, displacer or DP could be used as per project spec.

- NOTES**
- NOTE 1: LT & LG ARE MAGNETIC TYPE.
  - NOTE 2: TEMP. TRANSMITTER TO BE LOCATED AS FAR 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.

-Connection, line which shall be insulated shall be schematically shown  
 -Please specify location of electrical tracing  
 -slope value shall be specified  
 -please specify instrument which shall be on gauge board

- Based on General Specification for Instrumentation "On-off and throttling control valves operated by safety and interlocking system shall be generally equipped with limit switch, to show valve position on DCS. Limit switches shall be "Proximity" type (NAMUR)". (Malfunction of valve shall be indicate by limit switches or process values alarm).
- 2- Interlock for SOV actions not mentioned on PID
- 3- Instrument process connections shall be as per DPC-IN-SPC-0007
- 4-Individual page shall be considered for interface signals between PLC and DCS/ESD.(All interface signals shall be clearly mentioned).
- 5- Indication on DCS of all signals shall be mentioned on P&ID by using proper symbol.(Above page mentioned)

**GENERAL COMMENT :**  
 LINE NO. INSIDE PACKAGE SHALL BE CONSIST OF PK TAG.  
 FOR EXAMPLE: 61135(PK)



This stream is hot and there is not any cooler in start up cycle. May it cause over temperature? Please recheck and clarify.

Please clarify why this PSV is connected to inlet line? It shall be connected to Flare system.

Isolation valve and by pass line to be considered.

Based on Project Tie in and PID outlet of this PSV shall be connected to BDL line.

If this item is filter so PDI to be considered.

Liquid level to be indicated.

LT and LG shall be segregated.

Liquid level control to be clarified, for example in case of HLL or LLL.

Compressor trip to be considered on HH level condition.

Slope outside of package is not possible

This Symbol not defined on Legend

**Instrument Numbering Procedure:**  
 01XX-KYYYZZ  
 XX: instrument device: PT, PALL...  
 K: indicate for package  
 YYY: PID No.  
 ZZ: sequence no.  
 e.g.: 01PT-K23001

Important comment:  
 Package will be installed on the ground, so free draining of lines to flare network is not possible, please consider this matter

no need for control valve on CW LINE of this condenser.  
 NEC Reply: So please consider proper instrument for manually adjustment of JW during summer and winter...

LT and LG shall be mentioned on P&ID individually

Drain shall be connected to J-6101-1 or at least to the closed drain header of package.

**GENERAL COMMENT:**  
 All equipment data and nozzles shall be rechecked and corrected based on finalized equipment data sheet.

**GENERAL COMMENT :**  
 FINISHING FOR ALL LINE SHALL BE SPECIFIED

All equipment shall be listed here.  
 F-PK-6101-1 and J-PK-6101-1 are missed.

- General Comments:**
- 1- Project legend for PID shall be fully followed.
  - 2- line number and finishing shall be dedicated for all stream lines.
  - 3- Since stream type and legend are not clear, line up and stream follow up will be checked in next revision.
  - 4- Block and bleed valve shall be considered for all pressure instrument devices.
  - 5- All hold items shall be finalized.

1) Size of flare lines will be checked/ approved after receiving flare load summary (or PSVs datasheet) from vendor.  
 2) composition shall be reported by vendor for flare lines.  
 3) simultaneous scenario shall be specified.

<b>E-6101</b> 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.	<b>E-PK6101-2</b> 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.	<b>E-PK6101-3</b> 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.	<b>F-PK6101-2</b> 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.
-----------------------------	---	--------------------------------	--	---------------------------------	--	---	---

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

**CLIENT:** MC

**CONTRACTOR:** Petropars Ltd. NARGAN

**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	2 OF 4

**PURCHASER'S COMMENT/ APPROVAL STATUS**

T: AP: Approved (Released for Manufacturing)  
 AN: Approved With Minor Comments (Fabrication may Proceed)  
 NF: Approved With Comments (Fabrication not Proceed)  
 RJ: Rejected

**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

**Signature:** \_\_\_\_\_

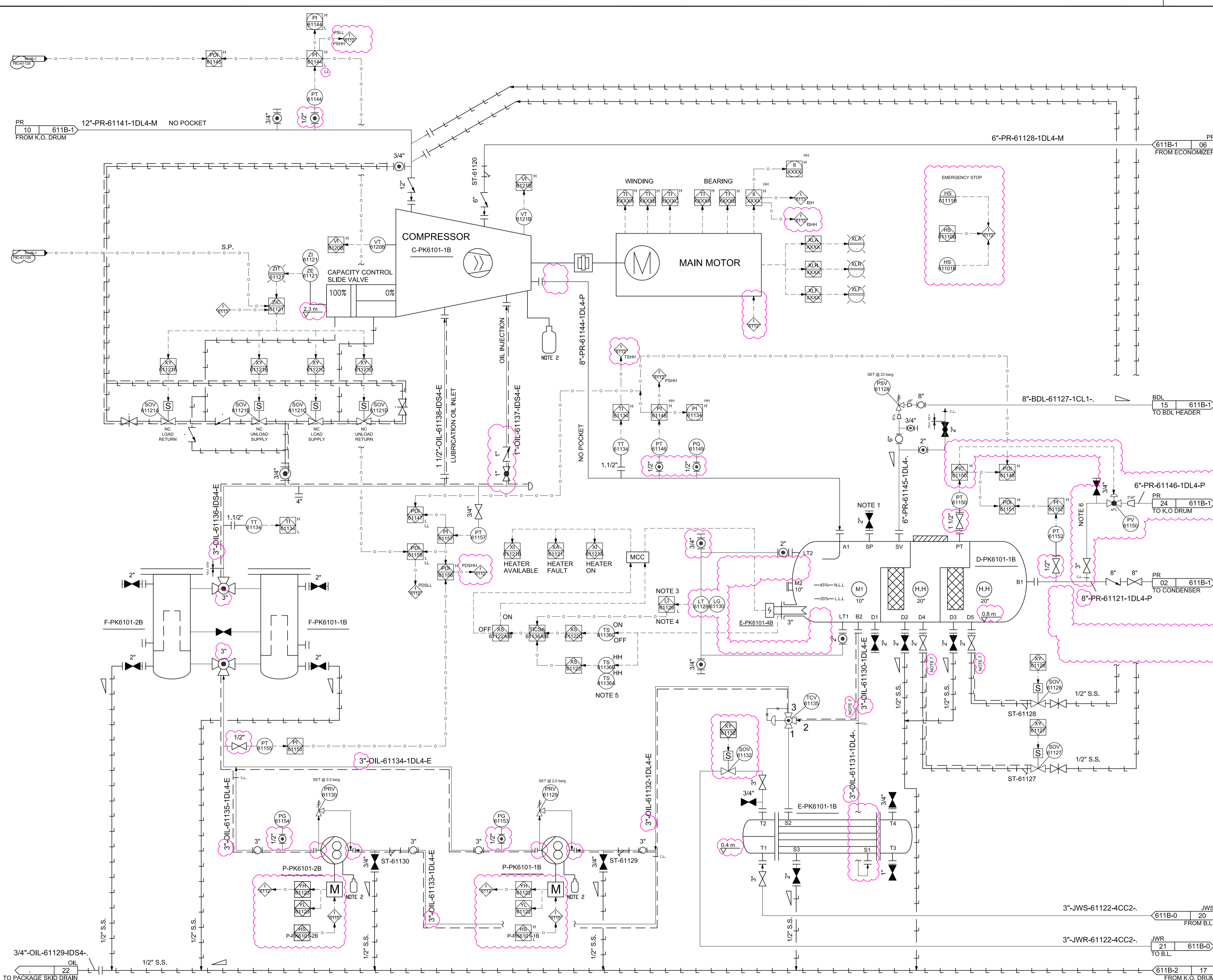
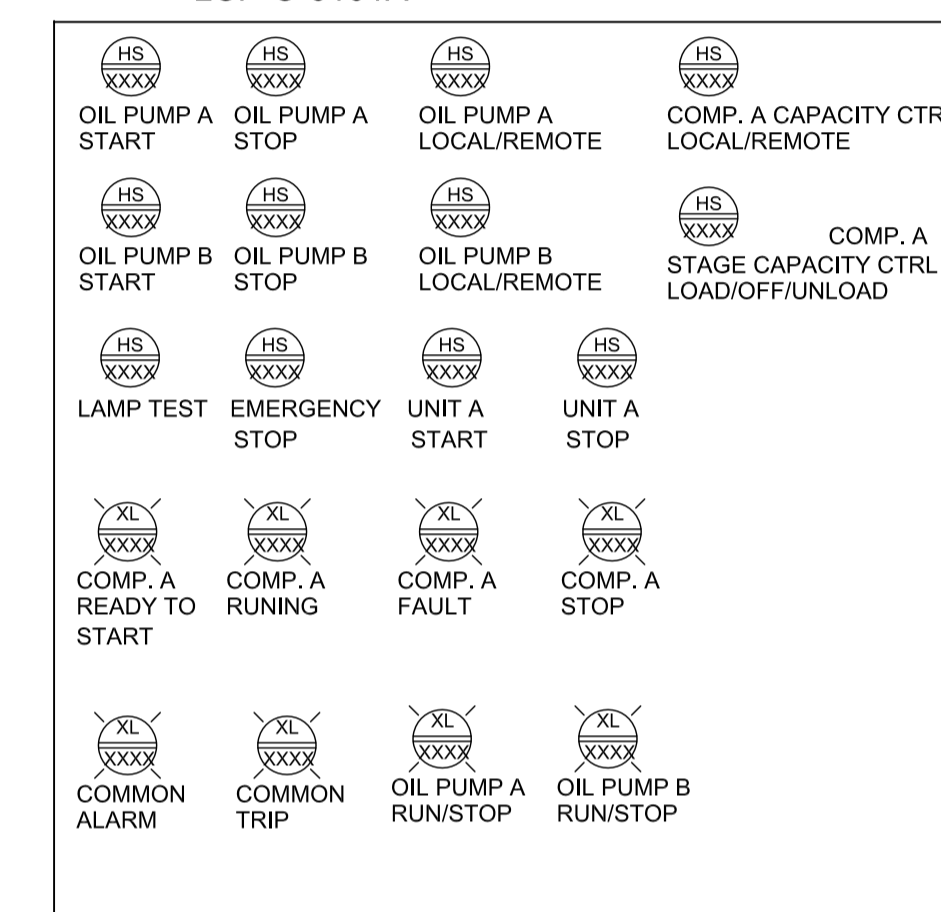
**KASRAVAND CO.**



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



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

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

CLIENT: **PERSIAN GULF** (Dewasht Petrochemical Industry Co.)

MC: **PERSIAN GULF** (Development Management Company)

CONTRACTOR: **Petropars Ltd.** and **NARGAN**

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	4 OF 4

PURCHASER'S COMMENT/APPROVAL STATUS: 4150

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 be Returned

Date: XX.XX.XX Signature: \_\_\_\_\_

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.GODARZI	A.MALEKINA	A.MALEKINA
D0	01-09-2021	ISSUE FOR APPROVAL	R.GODARZI	A.MALEKINA	A.MALEKINA
			PREP'D	CHK'D	APP'D

**KASRAVAND CO.**