
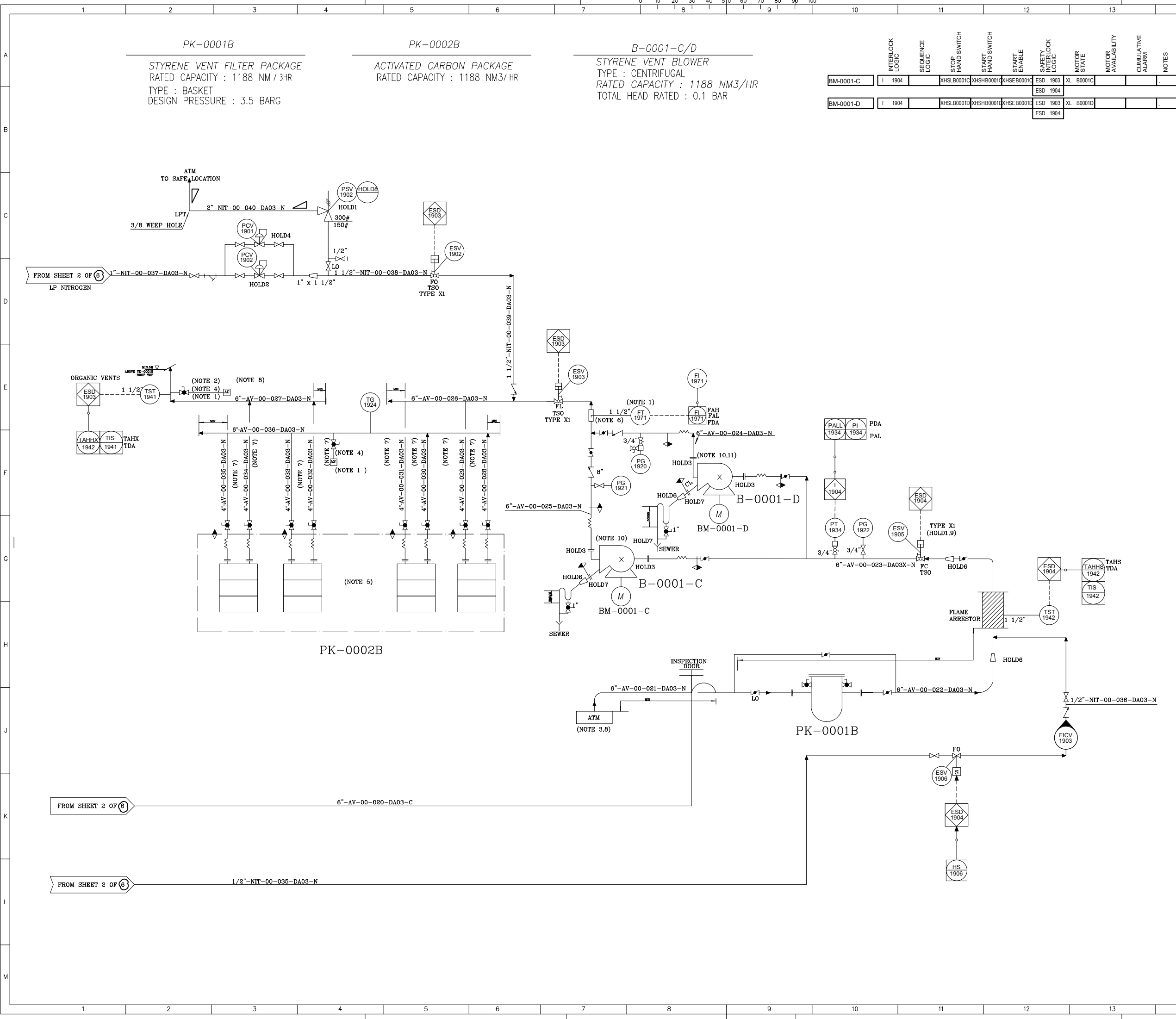


	INTERLOCK LOGIC	SEQUENCE LOGIC	STOP HAND SWITCH	START HAND SWITCH	START ENABLE	SAFETY INTERLOCK LOGIC	MOTOR STATE	MOTOR AVAILABILITY	CUMULATIVE ALARM	NOTES
BM-0001-A	I 1904		XHSLB0001A	XHSHB0001A	XHSEB0001A	ESD 1803	XL B0001A			.
						ESD 1804				
BM-0001-B	I 1904		XHSLB0001B	XHSHB0001B	XHSEB0001B	ESD 1803	XL B0001B			.
						ESD 1804				

14	15	16			
REFERENCE DRAWING		DWG NO.	REV.		
PPD FOR STYRENE		ED027-000-EB-PR-PPD-015			
LEGEND,SYMBOLS AND ABBREVIATIONS		ED027-000-EB-PR-PID-019			
NOTES :					
1 . TO BE LOCATED IN AN EASY TO REACH POSITION .					
2 . SUPPORT PIPE WITH TK-0001A .					
3 . A DEVICE TO AVOID SAND INLET SHALL BE FORESEEN .					
4 . SAMPLING POINT CHARACTERISTICS TO BE DEFINED ACCORDING TO LOCAL CODES OR REGULATION .					
5 . TO BE INSTALLED UNDER ROOF .					
6 . PIPE SHALL BE STRAIGHT AND WITH A CONSTANT DIMETER FOR LENGHT OF AT LEAST 7 DIAMETERS UPSTREAM THE PITOT FLOWMETER AND AT LEAST 5DIAMETERS DOWNSTREAM .THE INSTRUMENT SHALL BE EQUIPPED WITH A SEALNG SYSTEM ALL OWING THE EXTRACTION OF THE MEASURING ELEMENT WITOUT LEAKAGES TO ENVIRONMENT AND AIR INLET IN THE PIPE .					
7 . LINE DN TO BE CONFIRMED ACCORDING TO PK-0002A FINAL CHARACTERISTICS.					
8 . VENTS TO BE INSTALLED CLOSE TO EACH GAS DETECTOR TO BE FORSEEN FOR BOTH VENTS .					
9 . MANUAL RESET HAS BEEN CONSIDERED FOR EVX -XXX & EVX -XXX .					
10 . TO BE FILLED WITH COMPATIBLE SEAL FLUID .					
11 . 'U' SEAL IS PROVIDED FOR DRAINING ANY CONDENSATE FROMED BECAUSE OF CONDENSATION OF SOLVENT VAPORS .					
HOLDE:					
1 . PSV ORIFICE SIZE .					
2 . CONTROL VALE SIZE .					
3 . BLOWER SUCTION / DISCHARGE NOZZLE SIZE .					
4 . CONTROL VALVE BYPASS LINE SIZE .					
5 . PSV UNLET AND OUTLET LINE SIZE .					
6 . REDUCER AND EXPANDER SIZE .					
7 . BLOWER CASING DRAIN SIZE .					
8 . PSV SET PRESSURE .					
EQUIPMENT LIST:					
PK-0001A B-0001-A/B PK-0002A					
KEY PLAN :					
R3 22.07.2023 FINAL ISSUE (F) Sh.Azagh M.Alaei H.Tavana					
R3 31.12.2020 FINAL ISSUE (F) (HAZOP IMPLEMENTATION) M.Abbasian S.Behniafar R.Memar					
R2 19.07.2020 FINAL ISSUED (F) M.Abbasian S.Behniafar R.Memar					
R1 23.05.2020 FINAL ISSUED (F) M.Abbasian S.Behniafar R.Memar					
R0 28.04.2020 ISSUED FOR APPROVAL (IFA) M.Abbasian S.Behniafar R.Memar					
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
CLIENT					
					
CONSULTING ENGINEER					
PROJECT: STYRENE PARK OFFSITE					
DRAWING TITLE:					
P&ID FOR STYRENE STORAGE TANK (TK-0001A/B)					
DRAWING NO.		REV.	SIZE	SCALE	SHEET
ED027-000-ED-PR-PID-522		R4	A3	NTC	3 of 6



	INTERLOCK LOGIC	SEQUENCE LOGIC	STOP HAND SWITCH	START HAND SWITCH	START ENABLE	SAFETY INTERLOCK LOGIC	MOTOR STATE	MOTOR AVAILABILITY	CUMULATIVE ALARM	NOTES
BM-0001-C	I 1904		XHSLB0001C	XHSHB0001C	XHSEB0001C	ESD 1903	XL B0001C			.
						ESD 1904				
BM-0001-D	I 1904		XHSLB0001D	XHSHB0001D	XHSEB0001D	ESD 1903	XL B0001D			.
						ESD 1904				

REFERENCE DRAWING

DWG NO.

REV.

PPD FOR STYRENE

EIO27-000-EB-PR-PFD-015

LEGEND,SYMBOLS AND ABBREVIATIONS

EIO27-000-EB-PR-PID-019

NOTES :

1 . TO BE LOCATED IN AN EASY TO REACH POSITION .

2 . SUPPORT PIPE WITH TK-0001B .

3 . A DEVICE TO AVOID SAND INLET SHALL BE FORESEEN .

4 . SAMPLING POINT CHARACTERISTICS TO BE DEFINED ACCORDING TO LOCAL CODES OR REGULATION .

5 . TO BE INSTALLED UNDER ROOF .

6 . PIPE SHALL BE STRAIGHT AND WITH A CONSTANT DIMETER FOR LENGHT OF AT LEAST 7 DIAMETERS UPSTREAM THE PITOT FLOWMETER AND AT LEAST 5DIAMETERS DOWNSTREAM THE INSTRUMENT SHALL BE EQUIPPED WITH A SEALING SYSTEM ALL OWING THE EXTRACTION OF THE MEASURING ELEMENT WITOUT LEAKAGES TO ENVIRONMENT AND AIR INLET IN THE PIPE .

7 . LINE DN TO BE CONFIRMED ACCORDING TO PK-0002B FINAL CHARACTERISTICS.

8 . VENTS TO BE INSTALLED CLOSE TO EACH GAS DETECTOR TO BE FORSEEN FOR BOTH VENTS .

9 . MANUAL RESET HAS BEEN CONSIDERED FOR EVX -XXX & EVX -XXX .

10 . TO BE FILLED WITH COMPATIBLE SEAL FLUID .

11 . 'U' SEAL IS PROVIDED FOR DRAINING ANY CONDENSATE FROMED BECAUSE OF CONDENSATION OF SOLVENT VAPORS .

HOLDE:

1 . PSV ORIFICE SIZE .

2 . CONTROL VALE SIZE .

3 . BLOWER SUCTION / DISCHARGE NOZZLE SIZE .

4 . CONTROL VALVE BYPASS LINE SIZE .

5 . PSV LNLET AND OUTLET LINE SIZE .

6 . REDUCER AND EXPANDER SIZE .

7 . BLOWER CASING DRAIN SIZE .

8 . PSV SET PRESSURE .

EQUIPMENT LIST:

PK-0001B


B-0001-C/D

PK-0002B

KEY PLAN :

R4	22.07.2023	FINAL ISSUE (FI)	Sh.Azagh	M.Alael	H.Tavana
R3	31.12.2020	FINAL ISSUE (FI) (HAZOP IMPLEMENTATION)	M.Abbasian	S.Behniafar	R.Memar
R2	19.07.2020	FINAL ISSUED (FI)	M.Abbasian	S.Behniafar	R.Memar
R1	23.05.2020	FINAL ISSUED (FI)	M.Abbasian	S.Behniafar	R.Memar
RO	28.04.2020	ISSUED FOR APPROVAL (FA)	M.Abbasian	S.Behniafar	R.Memar
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

CLIENT



پتروشیمی توسعه پارک
صنعتی گودر افق

CONSULTING ENGINEER

PROJECT:

STYRENE PARK OFFSITE

DRAWING TITLE:

P&ID FOR STYRENE STORAGE TANK
(TK-0001A/B)

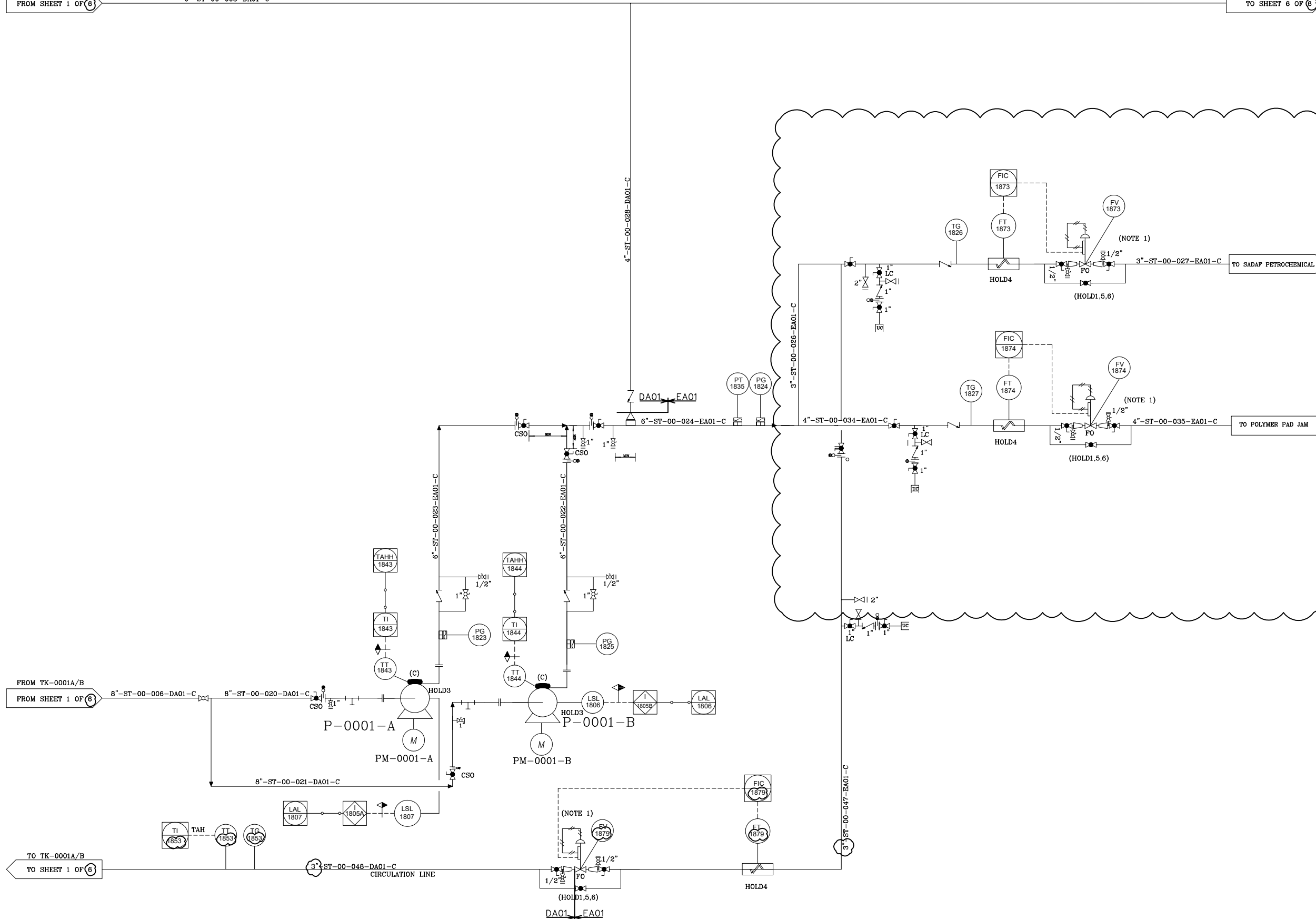
DRAWING NO.	REV.	SIZE	SCALE	SHEET
EIO27-000-ED-PR-PID-522	R4	A3	NTC	4 of 6

STYRENE PUMP TO JAM & SADAF & ENTEKHAB
TYPE : CENTRIFUGAL
RATED CAPACITY : 24.5 M3/HR
HEAD AT RATED CAPACITY : 168.2 M
DESIGN PRESSURE : 19.5 BARG

FROM SHEET 1 OF 6

TO SHEET 6 OF 6

	INTERLOCK LOGIC	SEQUENCE LOGIC	STOP HAND SWITCH	START HAND SWITCH	START ENABLE	SAFETY INTERLOCK LOGIC	MOTOR STATE	MOTOR AVAILABILITY	CUMULATIVE ALARM	NOTES
PM-0001-A	I 1810/1910 I 1802/1902 I 1805A		KHSL P0001A		XHSE P0001A		XL P0001A			
PM-0001-B	I 1810/1910 I 1802/1902 I 1805B		KHSL P0001B		XHSE P0001B		XL P0001B			



HOLDE:

1. CONTROL VALVE SIZE
2. PUMP SUCTION /DISCHARGE NOZZLE SIZE
3. CONFIGURATION OF PUMP VENT /DRAIN .
4. FLOW METER CONNECTION SIZE .
5. CONTROL VALVE BYPASS LINE SIZE .
6. REDUCER AND EXPANDER SIZE .

EQUIPMENT LIST:

P-0001-A/E

KEY PLAN :

R4	22.07.2023	FINAL ISSUE (FI)	Sh.Azogh	M.Aloui	H.Tavan
R3	31.12.2020	FINAL ISSUE (FI) (HAZOP IMPLEMENTATION)	M.Abbaslar	S.Behniafar	R.Memar
R2	19.07.2020	FINAL ISSUED (FI)	M.Abbaslar	S.Behniafar	R.Memar
R1	23.05.2020	FINAL ISSUED (FI)	M.Abbaslar	S.Behniafar	R.Memar
R0	28.04.2020	ISSUED FOR APPROVAL (IFA)	M.Abbaslar	S.Behniafar	R.Memar
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

CLIENT



CONSULTING ENGINEER

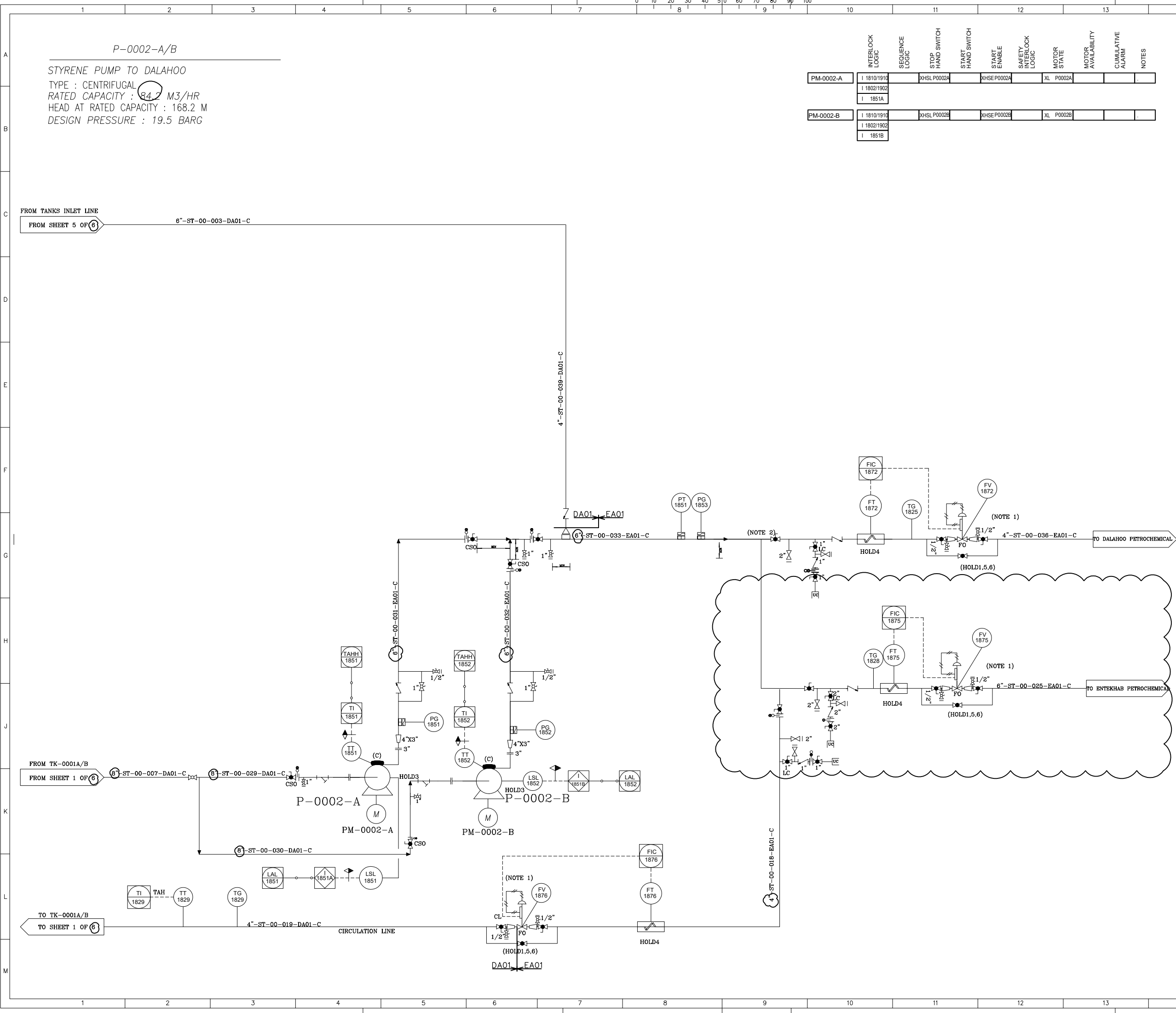
PROJECT:

STYRENE PARK OFFSITE

DRAWING TITLE:

P&ID FOR STYRENE STORAGE TANK
(TK-0001A/B)

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-000-ED-PR-PID-522	R4	A3	NTC	5 of 6



REFERENCE DRAWING

DWG NO.

REV.

PPD FOR STYRENE

EIO27-000-EB-PR-PPD-015

LEGEND,SYMBOLS AND ABBREVIATIONS

EIO27-000-EB-PR-PID-019

NOTES :

1 . TO BE LOCATED IN AN EASY TO REACH POSITION .

2 . FOR EACH PLANT THE LOCATION OF BRANCH'S CONNECTION TO THE SUPPLY PIPELINES SHALL BE AS CLOSE AS POSSIBLE TO THAT PLANT BATTERY LIMIT AND MINIMUM DISTANCE SHALL BE CONSIDERED BETWEEN THE BRANCH'S CONNECTION POINT AND FIRST VALVE ON THE BRANCH .

HOLDE:

1 . CONTROL VALVE SIZE

2 . PUMP SUCTION /DISCHARGE NOZZLE SIZE .

3 . CONFIGURATION OF PUMP VENT /DRAIN .

4 . FLOW METER CONNECTION SIZE .

5 . CONTROL VALVE BYPASS LINE SIZE .

6 . REDUCER AND EXPANDER SIZE .

EQUIPMENT LIST:

P-0002-A/B

KEY PLAN :

R4

22.07.2023

FINAL ISSUE (FI)

Sh.Azogh

M.Aloei

H.Tavana

R3

31.12.2020

FINAL ISSUE (FI)

(HAZOP IMPLEMENTATION)

M.Abbaslar

S.Behniafar

R.Memar

R2

19.07.2020

FINAL ISSUED (FI)

M.Abbaslar

S.Behniafar

R.Memar

R1

23.05.2020

FINAL ISSUED (FI)

M.Abbaslar

S.Behniafar

R.Memar

RO

28.04.2020

ISSUED FOR APPROVAL (IFA)

M.Abbaslar

S.Behniafar

R.Memar

REV.

ISSUE DATE


DESCRIPTION

PREPARED

CHECKED

APPROVED

CLIENT



پتروشیمی توسعه پارک
صنعتی گوهر الفی

CONSULTING ENGINEER

PROJECT:

STYRENE PARK OFFSITE

DRAWING TITLE:

P&ID FOR STYRENE STORAGE TANK
(TK-0001A/B)

DRAWING NO.

REV.

SIZE

SCALE

SHEET

EIO27-000-ED-PR-PID-522

R4

A3

NTC

6 of 6