

D-8501	Knock-Out Drum
ID x LENGTH (T-T)	DN3600xH10000 mm
DESIGN PRESS.	7.0 barg
DESIGN TEMP.	410 °C
INSULATION	YES
CLADDING/LINING	NONE

FL-8501	Flare Stack
ID x LENGTH (T-T)	DN1600xH4450 mm
DESIGN PRESS.	7.0 barg
DESIGN TEMP.	410 °C
INSULATION	NONE

FL-8502	Flare Tip
ID x LENGTH (T-T)	DN1600xH5000 mm
DESIGN PRESS.	0.5 barg
DESIGN TEMP.	1200 °C
INSULATION	NONE

FL-8503	Molecular Seal
ID x LENGTH (T-T)	DN3000xH5000 mm
DESIGN PRESS.	5.0 barg
DESIGN TEMP.	410 °C
INSULATION	NONE

X-8502	Derrick
HEIGHT	64 m
ROOT LENGTH	12 m
TYPE	BOLTING CONNECTED
MATERIAL	CS (HOT DIP GALVANIZED)

GENERAL NOTES

- GENERAL NOTE:
- 1) LOW POINT DRAINS AND HIGH POINT VENT MUST BE ADDED DURING DETAILED ENGINEERING.
 - 2) FLARE LINE WITH AN UPWARD SLOPE SHALL ADD LOW POINT DRAINS, THE DETAIL INFORMATION ABOUT IT SHOULD SPECIFY IN DE PHASE.
- NOTE:
- 1) TO ENTER VENT TO FLARE HEADER AT 45 DEGREES TO HEADER AXIS IN DIRECTION OF FLOW.
 - 2) MOLECULAR SEAL FLARE TYPE INSTEAD OF WATER SEAL TYPE, UTILIZING NATURAL GAS AS THE EMERGENCY SUPPLEMENTARY PRESSURE, (MAKE UP GAS) WITH PRESSURE CONTROL VALVE.
 - 3) A Ø 6 HOLE SHOULD BE OPENED ON HORIZONTAL PIPE AFTER SAFETY VALVE.
 - 4) WHEN THE LIQUID LEVEL IS AT HH, INTERLOCK SWITCH VALVE UV-8551 OPEN.

REFERENCE DRAWINGS

SYMBOLS AND LEGENDS

KEY PLAN

REV.	DESCRIPTION	DATE	DESIGN	DRAW	CHECK	REVIEW	APPROVE
Δ	Final Issue	06.12.2019	Ji Qiang		Bai Yang	Hao Lizhen	
Δ	Final Issue	29.11.2018	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Final Issue	24.01.2018	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Final Issue	06.01.2018	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Final Issue	18.12.2017	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Final Issue	19.09.2017	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Final Issue	01.06.2017	Geng Yunfei		Bai Yang	Ji Ningbo	
Δ	Issued For Comments	01.06.2017	Geng Yunfei		Bai Yang	Ji Ningbo	

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OWNER:



Middle East
Kimiaye Pars Company

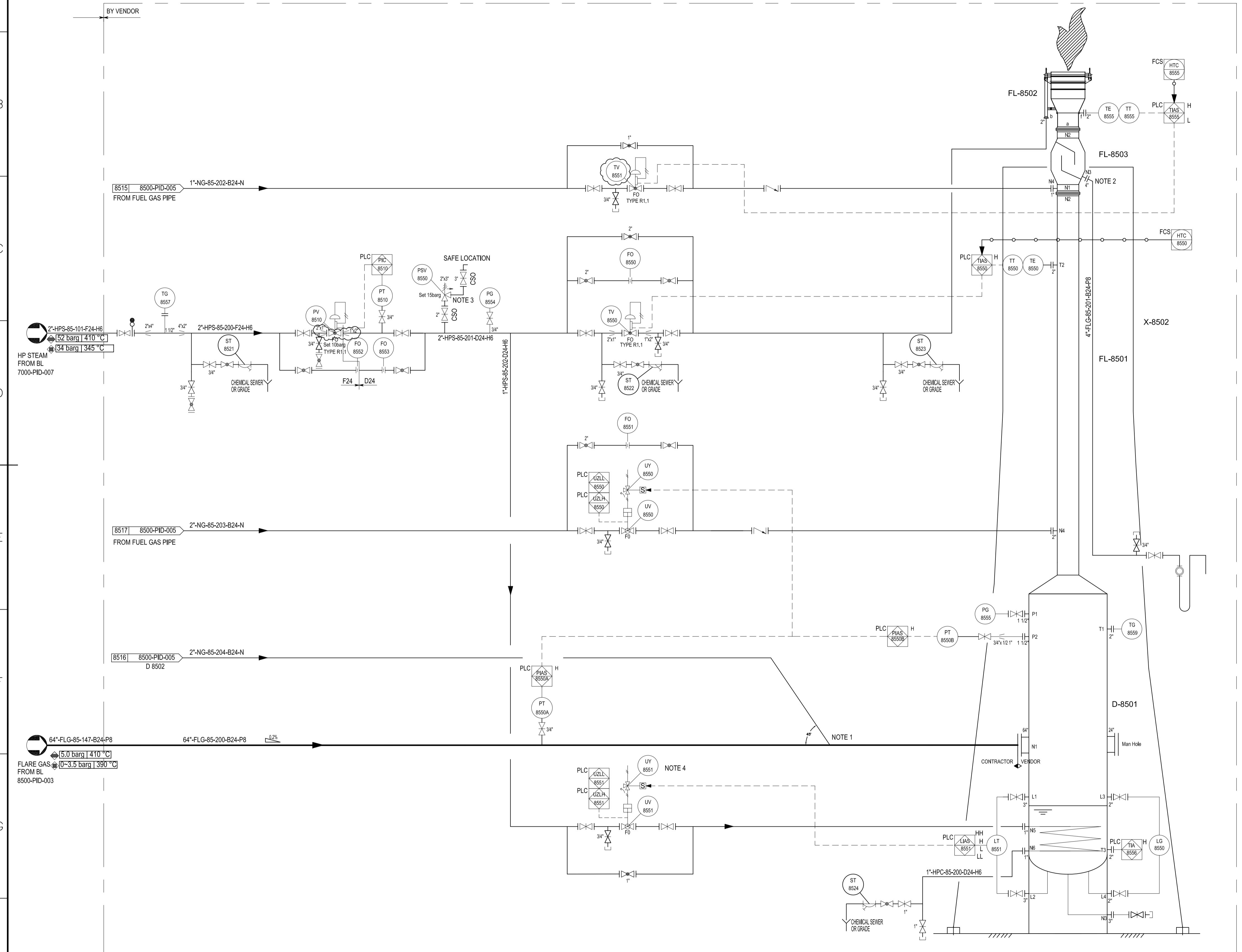
CONTRACTOR: HALDOR TOPSØE A/S

CONTRACTOR: **TCC** 中国天辰工程有限公司
CHINA TIANCHEN ENGINEERING CORPORATION

VENDOR: 江苏中圣高科技产业有限公司
JIANGSU SUNPOWER TECHNOLOGY CO., LTD

CONTRACTOR DRAWING NO.	MKP-11-DE-9000-FE-REQ-237
SHEET	01
TOTAL	02
VENDOR DRAWING NO.	17013D8500PE00-05
SHEET	01
TOTAL	02

PROJECT	MKP Methanol Project
UNIT	Flare
PHASE	Detail Engineering
OWNER DWG NO.	MKP-VD-8500-237-301-A1



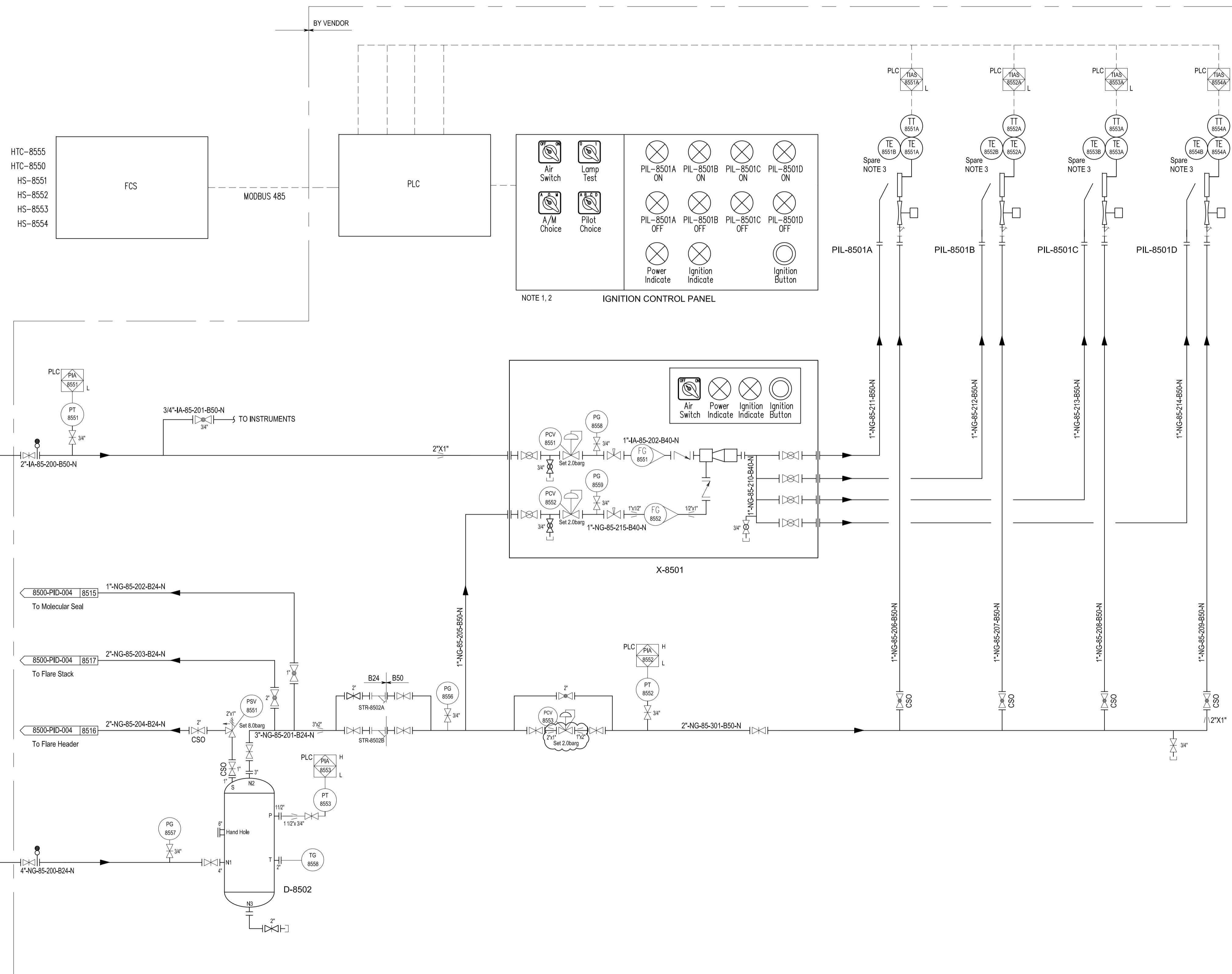
IN	Lv Xiang	06.12.2019
Counter Signing	Sign	Date

SCALE	-	SHEET	1	TOT.	2	SIZE	A1
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D-8502	Fuel Gas Buffer Drum
ID x LENGTH (T-T)	DN600x1500 mm
DESIGN PRESS.	7.0 barg
DESIGN TEMP.	85 °C
INSULATION	NONE
CLADDING/LINING	NONE

X-8501	Flame Front Generator
LENGTH	4300 mm
WIDTH	800 mm
HEIGHT	2000 mm
FRAME MATERIAL	SA-36+GALV

PIL-8501A~D	Pilot (with FFG & HEI)
LENGTH	4300 mm
DESIGN PRESS.	5.0 barg
DESIGN TEMP.	1200 °C
INSULATION	NONE



GENERAL NOTES

- GENERAL NOTE:
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 - 2) FLARE LINE WITH AN UPWARD SLOPE SHALL ADD LOW POINT DRAINS, THE DETAIL INFORMATION ABOUT IT SHOULD SPECIFY IN DE PHASE.
- NOTE:
- 1) XL-01-04: PILOT CONDITION INDICATION LAMP, WHEN PIL-8501A/B/C/D ARE IN NORMAL CONDITION, THE RELEVANT LAMP IS ON.
 - 2) TAL-01-04: PILOT TEMPERATURE LOW ALARM LAMP, WHEN THE TEMPERATURE OF ANY ONE IN PIL-8501A/B/C/D IS LOWER THAN 150°C, THE RELEVANT LAMP IS ON.
 - 3) THERMOCOUPLE IS THE K TYPE DUAL SHEATH THERMOCOUPLE. ONE IS DUTY, ANOTHER ONE IS SPARE.

REFERENCE DRAWINGS

SYMBOLS AND LEGENDS

KEY PLAN

REV.	DESCRIPTION	DATE	DESIGN	DRAW	CHECK	REVIEW	APPROVE
Δ	Final Issue	06.12.2019	Ji Qiang		Bai Yang	Hao Lizhen	
Δ	Final Issue	29.11.2018	Geng Yunfei		Bai Yang	Ji Ningbo	
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Δ	Final Issue	06.01.2018	Geng Yunfei		Bai Yang	Ji Ningbo	
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Kimiaye Pars Company

LICENSOR: HALDOR TOPSØE A/S

CONTRACTOR: **TCC 中国天辰工程有限公司**
CHINA TIANCHEN ENGINEERING CORPORATION

VENDOR: **江苏中圣高科技产业有限公司**
JIANGSU SUNPOWER TECHNOLOGY CO., LTD

CONTRACTOR DRAWING NO.	MKP-11-DE-9000-FE-REQ-237
SHEET	02
TOTAL	02
VENDOR DRAWING NO.	17013D85000PE00-05
SHEET	02
TOTAL	02

P&ID Flare Stack		PROJECT	MKP Methanol Project
		UNIT	Flare
		PHASE	Detail Engineering
SCALE	-	SHEET	2
		TOT.	2
		SIZE	A1
OWNER		DWG NO.	MKP-VD-8500-237-301-A1

IN	Lv Xiang	06.12.2019
Counter	Signing	Sign
Date		