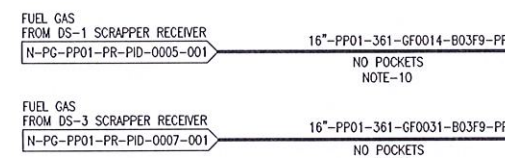


PP01-362-V001
FUEL GAS KO DRUM

SIZE : 2200 mm (I.D.) x 5500 mm (L)
 DESIGN PRESSURE : 14 barg/FV
 DESIGN TEMPERATURE : -20~100°C (NOTE-7)
 OPERATING PRESSURE : 9.0~10.4 barg
 OPERATING TEMPERATURE : 23~72°C
 MATERIAL : CARBON STEEL (CS) + 3 mm CA (INTERNAL EPOXY CERAMIC COATING)
 INSULATION : (NO. 102)
 TRIM NUMBER : PP01-362-V001-TX0001-B03F9




1. ALL SP ITEM, _____ IN-POINT TAG & INSTRUMENT TAG NUMBERS, EXCEPT LINE NUMBERS ON THIS DRAWING SHALL BE PREFIXED BY PROJECT BREAK DOWN ID CODE (PP01) AND SYSTEM NO. 362, UNLESS SPECIFIED OTHERWISE.
2. WANE TYPE INLET DISTRIBUTOR.
3. DELETED.
4. DELETED.
5. CONTROL VALVE CV OR BYPASS GLOBE VALVE CV SHALL NOT EXCEED 28 TO LIMIT GAS BLOW BY TO MEET FLARE HEADER DESIGN CAPACITY.
6. VENTS TO BE LOCATED AT HIGH POINT AND DRAINS AT LOW POINT.
7. DESIGN TEMPERATURE BASED ON ADIABATIC DEPRESSURIZATION AT MINIMUM AMBIENT TEMPERATURE (-2°C).
8. PSV BLOCK VALVES TO BE MECHANICALLY KEY INTERLOCKED SUCH THAT "N" PSV SHALL BE ONLINE FOR "N+1" PSV ARRANGEMENT.
9. ALL ISOLATION VALVES/FLANGES ON VESSEL OR TANK FOR INSTRUMENT CONNECTION SHALL BE RATED FOR 3000# MINIMUM AND SHALL BE HIGHER AS PER THE VESSEL RATING.
10. LINE IS SUBJECTED TO TWO PHASE FLOW. PIPING TO SUPPORT THE LINE ADEQUATELY.
11. DISCREPANCY ALARM WILL BE RAISED WHEN THE DIFFERENCE BETWEEN VALVE POSITION FEEDBACK AND THE CONTROLLER OUTPUT TO THE VALVE IS MORE THAN 10%.
12. 362-E2V-0001 WILL BE AUTOMATICALLY RESET WHEN THE LEVEL IN THE DRUM HAS RISEN FROM A LOW LOW LEVEL UPSET CASE TO A DEFINED LEVEL.
13. CORROSION MONITORING FITTINGS SHALL BE LOCATED AT BOTTOM OF PIPE.

1. FOR GENERAL NOTES, LEGENDS AND SYMBOLS REFER DRAWING NO.
100478CP-N-PG-PP01-PR-PID-0001 SHEETS 001 TO 017.
2. FOR ESD CAUSE & EFFECT CHART FOR PROCESS AREA REFER DOCUMENT NO.
100478CP-N-PG-PP01-PR-DCE-0001.

1. DELETED.
2. DELETED.
3. DELETED.
4. DELETED.

C02	01.09.16	ISSUED FOR CONSTRUCTION	DX	W/	AB	SQ
C01	22.05.16	ISSUED FOR CONSTRUCTION	DX	VJ	AB	SQ
D01	01.03.16	ISSUED FOR USE (DD)	DX	DM/WJ	AB	SQ
H01	07.01.16	ISSUED FOR HAZOP (DD)	DX	SI/WJ	AB	SQ
G01	11.10.15	ISSUED FOR REVIEW (DB)	DX	SI/WJ	TT	SQ
B03	03.09.15	APPROVED FOR COMPLETION OF FEED	DX	HM/SI	TT	SQ
B02	06.08.15	APPROVED FOR COMPLETION OF FEED	DX	HM/SI	TT	SQ
B01	26.03.15	ISSUED FOR FEED HAZOP	DX	SI/RS	TT	SQ
A01	19.02.15	ISSUED FOR COMPANY REVIEW	DX	HM/RS	TT	JF
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D	


 EARLY POWER PLANT
 RUMAILA OIL FIELD
 CONTRACT NO. 100478

 中国石油工程建设公司
CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.



CH2MHILL

DRAWING TITLE:
PIPING AND INSTRUMENTATION DIAGRAM
FUEL GAS KNOCK-OUT DRUM

PROJECT NO.	100478CP	SCALE:	NONE	DWG SIZE:	A1
DRAWING NUMBER:				SHT. NO.:	REV
100478CP-N-PG-PP01-PR-PID-0008-001				01/01	CO

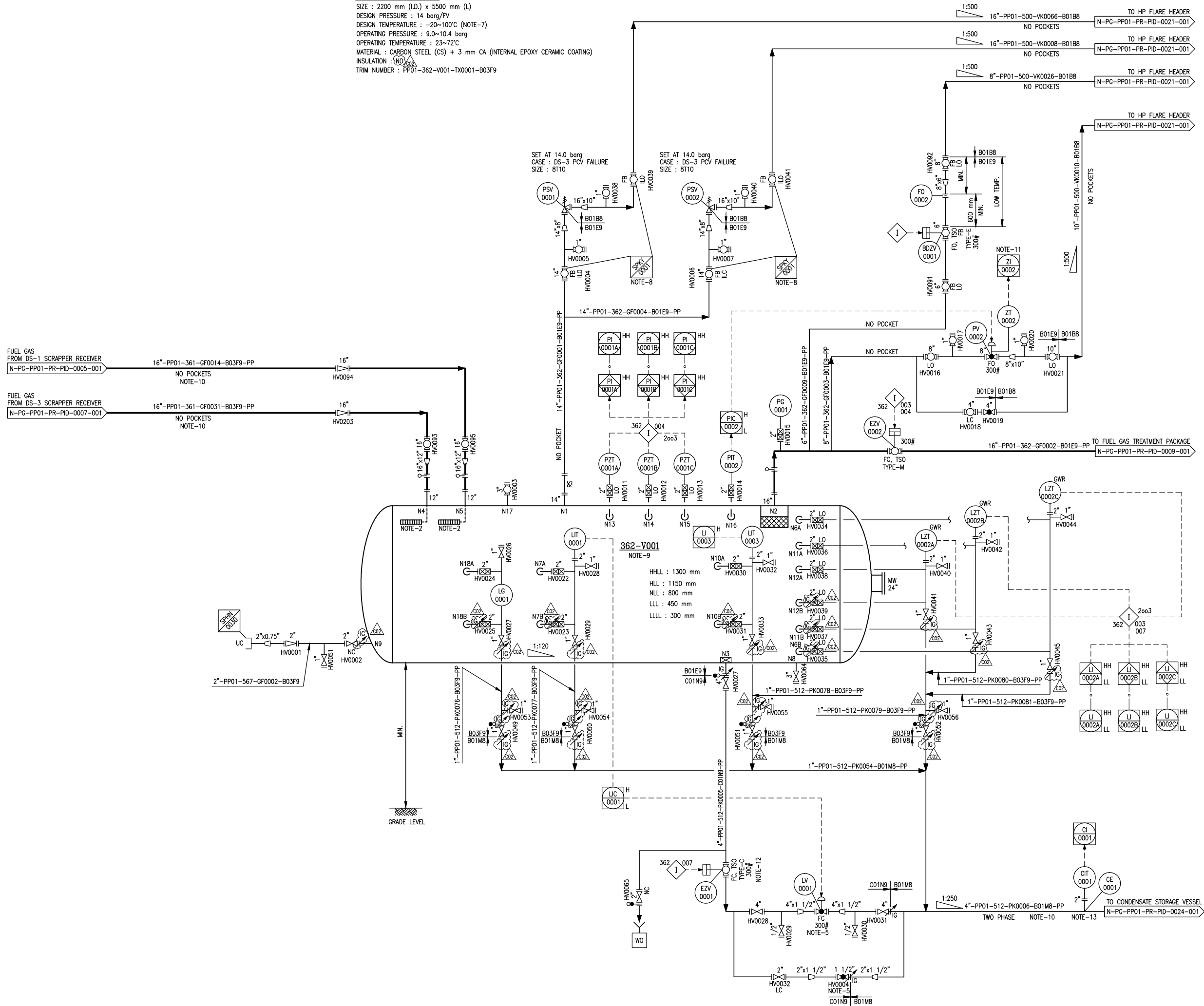
CAD FILENAME: 10047802-N-PC-P001-P8-PD-0008-001-C12.D

NOTICE: THIS DRAWING AND THE INFORMATION IT CONTAINS IS THE SOLE PROPERTY OF RUMAILA OPERATING ORGANIZATION. IT SHALL NOT BE REPRODUCED OR LENT WITHOUT THE AGREEMENT OF THE OWNER.

PP01-362-V001

FUEL GAS KO DRUM

SIZE : 2200 mm (I.D.) x 5500 mm (L)
DESIGN PRESSURE : 14 barg/FV
DESIGN TEMPERATURE : -20~100°C (NOTE-7)
OPERATING PRESSURE : 9.0~10.4 barg
OPERATING TEMPERATURE : 23~72°C
MATERIAL : CARBON STEEL (CS) + 3 mm CA (INTERNAL EPOXY CERAMIC COATING)
INSULATION : (NO)
TRIM NUMBER : PP01-362-V001-TX0001-B03F9



NOTES:

1. ALL SP ITEM, TIE-IN POINT & INSTRUMENT TAG NUMBERS, EXCEPT LINE NUMBERS ON THIS DRAWING SHALL BE PREFIXED BY PROJECT BREAK DOWN ID CODE (PP01) AND SYSTEM NO. 362, UNLESS SPECIFIED OTHERWISE.
2. VANE TYPE INLET DISTRIBUTOR.
3. DELETED.
4. DELETED.
5. CONTROL VALVE Cv OR BYPASS GLOBE VALVE Cv SHALL NOT EXCEED 28 TO LIMIT GAS BLOW BY TO MEET LP FLARE HEADER DESIGN CAPACITY.
6. VENTS TO BE LOCATED AT HIGH POINT AND DRAINS AT LOW POINT.
7. DESIGN TEMPERATURE BASED ON ADIABATIC DEPRESSURIZATION AT MINIMUM AMBIENT TEMPERATURE (-2°C).
8. PSV BLOCK VALVES TO BE MECHANICALLY KEY INTERLOCKED SUCH THAT 'N' PSV SHALL BE ONLINE FOR 'N+1' PSV ARRANGEMENT.
9. ALL ISOLATION VALVES/FLANGES ON VESSEL OR TANK FOR INSTRUMENT CONNECTION SHALL BE RATED FOR 300# MINIMUM AND SHALL BE HIGHER AS PER THE VESSEL RATING.
10. LINE IS SUBJECTED TO TWO PHASE FLOW. PIPING TO SUPPORT THE LINE ADEQUATELY.
11. DISCREPANCY ALARM WILL BE RAISED WHEN THE DIFFERENCE BETWEEN VALVE POSITION FEEDBACK AND THE CONTROLLER OUTPUT TO THE VALVE IS MORE THAN 10%.
12. 362-EZV-0001 WILL BE AUTOMATICALLY RESET WHEN THE LEVEL IN THE DRUM HAS RISEN FROM A LOW LOW LEVEL UPSET CASE TO A DEFINED LEVEL.
13. CORROSION MONITORING FITTINGS SHALL BE LOCATED AT BOTTOM OF PIPE.

GENERAL NOTES:

1. FOR GENERAL NOTES, LEGENDS AND SYMBOLS REFER DRAWING NO. 100478CP-N-PG-PP01-PR-PID-0001 SHEETS 001 TO 017.
2. FOR ESD CAUSE & EFFECT CHART FOR PROCESS AREA REFER DOCUMENT NO. 100478CP-N-PG-PP01-PR-DCE-0001.

HOLDS:

1. DELETED.
2. DELETED.
3. DELETED.
4. DELETED.

CO2	01.09.16	ISSUED FOR CONSTRUCTION	DX	WJ	AB	SQ
C01	22.05.16	ISSUED FOR CONSTRUCTION	DX	WJ	AB	SQ
D01	01.03.16	ISSUED FOR USE (DD)	DX	DM/WJ	AB	SQ
H01	07.01.16	ISSUED FOR HAZOP (DD)	DX	SI/WJ	AB	SQ
G01	11.10.15	ISSUED FOR REVIEW (DD)	DX	SI/WJ	TT	SQ
B03	03.09.15	APPROVED FOR COMPLETION OF FEED	DX	HM/SI	TT	SQ
B02	06.08.15	APPROVED FOR COMPLETION OF FEED	DX	HM/SI	TT	SQ
B01	26.03.15	ISSUED FOR FEED HAZOP	DX	SI/RS	TT	SQ
A01	19.02.15	ISSUED FOR COMPANY REVIEW	DX	HM/RS	TT	JF
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D	

EARLY POWER PLANT
RUMAILA OIL FIELD
CONTRACT NO. 100478

中国石油工程建设公司
CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.

CH2MHILL

DRAWING TITLE:
PIPING AND INSTRUMENTATION DIAGRAM
FUEL GAS KNOCK-OUT DRUM

PROJECT NO.	100478CP	SCALE:	NONE	DWG SIZE:	A1
DRAWING NUMBER:				SHT. NO.:	REV.
100478CP-N-PG-PP01-PR-PID-0008-001				01/01	C02