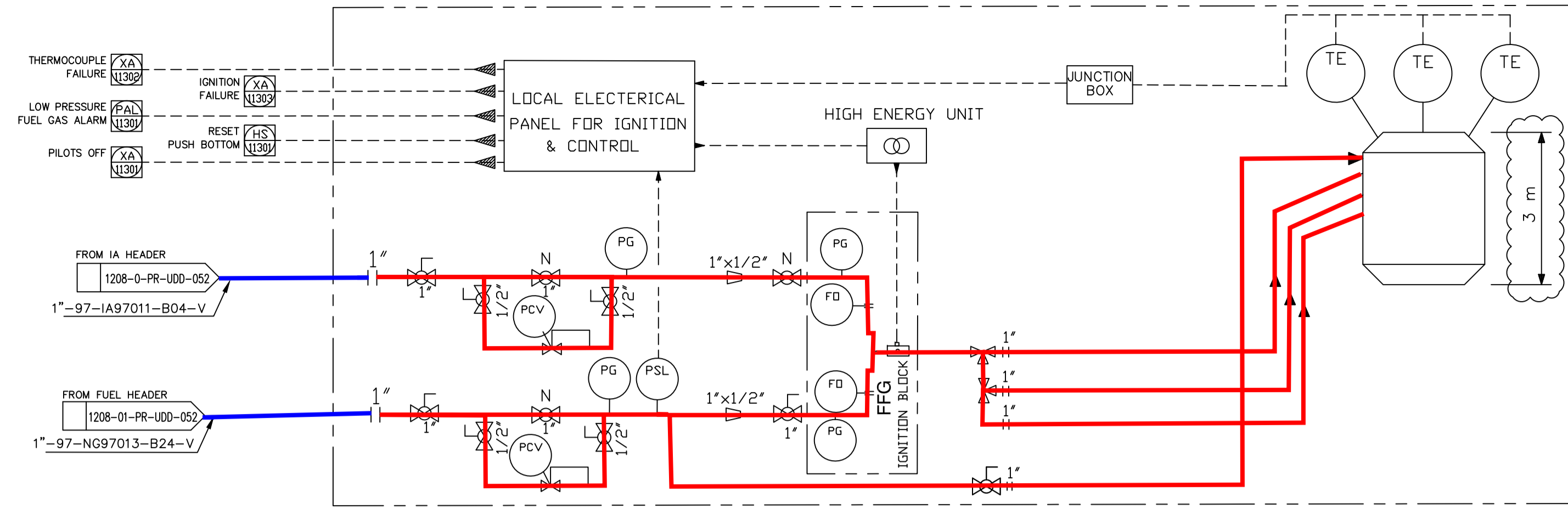


DETAIL "A"



97-FL-113  
UREA DISCONTINUOUS FLARE PACKAGE  
(NOTE 1)

- NOTES:
- 1) FL-113 IS A PACKAGE, FOR DETAILS PLEASE SEE VENDOR DOCUMENT.
  - 2) FLARE SEAL DRUM IS A PART OF FL-113 PACKAGE AND ALL DETAILS SHALL BE SUPPLIED BY FLARE MFR.
  - 3) BURN-BACK THERMOCOUPLE TO BE SUPPLIED BY FLARE MFR.
  - 4) VALVE TO BE OPERABLE FROM GRADE LEVEL.
  - 5) DELETED
  - 6) MINIMUM DISTANCE BETWEEN PIPE BOTTOM.
  - 7) SEAL DRUM ELEVATION FROM GROUND LEVEL AT MINIMUM CONSIDERING SEAL PIPE ARRANGEMENT HEIGHT.
  - 8) FOR PURGING.
  - 9) FOR CLOSE DRAINAGE CONTINUATION REFER TO DWG. : 1208-01-PR-UD-057.
  - 10) DELETED.
  - 11) FOR LOW PRESSURE SATURATED STEAM REFER TO DWG. : 1208-01-PR-UD-051.

- GENERAL NOTES:
- 1) FOR SYMBOLS AND OTHER DETAILS PLEASE REFER TO PID 1208-01-PR-PID-051 .
  - 2) FOR ALL "CD" LINES THE FLANGES ARE TO BE LOCATED AT MINIMUM DISTANCE FROM GRADE. ALL "CD" LINES SHALL HAVE SLOPE TO ENSURE FREE DRAINING TOWARDS TK-104 TANK.
  - 3) SAFETY AND CONTROL VALVE IN/OUT LINES AND RELATED BYPASS LINE SIZE TO BE VERIFIED DURING ENGINEERING PHASE, AFTER CONTROL VALVES AND SAFETY VALVES SELECTION.
  - 4) MFR PIDECC
  - 5) WHERE IT'S INDICATED "MIN" OR "MINIMUM DISTANCE" THE LENGTH OF THE INTERESTED PIPE TO BE KEPT AS SHORT AS POSSIBLE (ABOUT ONE HUNDRED MILLIMETERS) IN ORDER TO PREVENT DEAD ZONE.
  - 6) FOR THE DESCRIPTION OF ATTRIBUTES OF HYDRAULIC CONSTRAINTS OF LINES (SELF DRAINING, SLOPE, GRAVITY FLOW, ETC.) REFER TO DOC. "GENERAL REQUIREMENTS FOR PIPING" WHERE SPECIFIC REQUIREMENTS ARE INDICATED THAT PIPING SHALL FOLLOW. NO EXCEPTIONS ARE ALLOWED.
  - 7) ALL DRIP RINGS MUST BE INSTALLED TO HAVE THE RELEVANT TAPPING IN THE BOTTOM PART (THE LOWEST POINT). NO EXCEPTIONS ARE ALLOWED.
  - 8) ALL CHECK VALVES HAVE TO BE INSTALLED IN VERTICAL POSITION, UNLESS VENDOR DIFFERENT INDICATIONS.
  - 9) DRIP HOLE SHALL BE CONSIDERED ON DEEP PIPE OF OVER FLOW LINE.

EQUIPMENT LIST  
97-FL-113

DE	EXT	AFC	A
Eng. Phase	Purpose of Distribution (POD)	Purpose of Issue (POI)	Owner's Action
05	09.04.2024	APPROVED FOR CONSTRUCTION	F.Sadeghian, M.setoori, M.Za, M.R.Saremi
04	12.11.2022	APPROVED FOR CONSTRUCTION	F.Sadeghian, M.setoori, M.Za, M.R.Saremi
03	31.08.2021	APPROVED FOR CONSTRUCTION	F.Sadeghian, M.setoori, M.Za, M.R.Saremi
02	11.03.2019	APPROVED FOR CONSTRUCTION (WITH HOLD)	F.Sadeghian, M.setoori, M.Za, M.R.Saremi
01	26.04.2018	ISSUED FOR ENGINEERING	F.Sadeghian, M.setoori, M.Za, M.R.Saremi
00	26.04.2017	ISSUED FOR ENGINEERING	M.Karimi, M.M.Ezady, M.Za, M.R.Saremi

REV.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	PROJECT
OWNER:	MC:	EPPC CONTRACTOR:				
PROJECT: HENGAM FERTILIZER PROJECT						
TITLE: PIPING AND INSTRUMENT DIAGRAM UREA PLANT FLARE						

5A  
14.01.2024

ITEM NO.	97-FL-113
DESCRIPTION	UREA DISCONTINUOUS FLARE
TECHNICAL DATA	DESIGN FLOW: 37000 Nm <sup>3</sup> /hr OVERALL HEIGHT: 70m RISER DIAMETER: 30" TIP DIAMETER: 40" TIP HEIGHT: 3m WATER SEAL DRUM DIMENSION: 2500 x 5000
DESIGN TEMPRATURE °C	-33/130
DESIGN PRESSURE barg	3.5
MATERIAL	SS 304L
TRIM LINES	97-FL97228-B40U

97-09 FUEL GAS DISTRIBUTION (SUB - INTERCONNECTION)

97-10 UTILITY SERVICE UREA PLANT FLARE