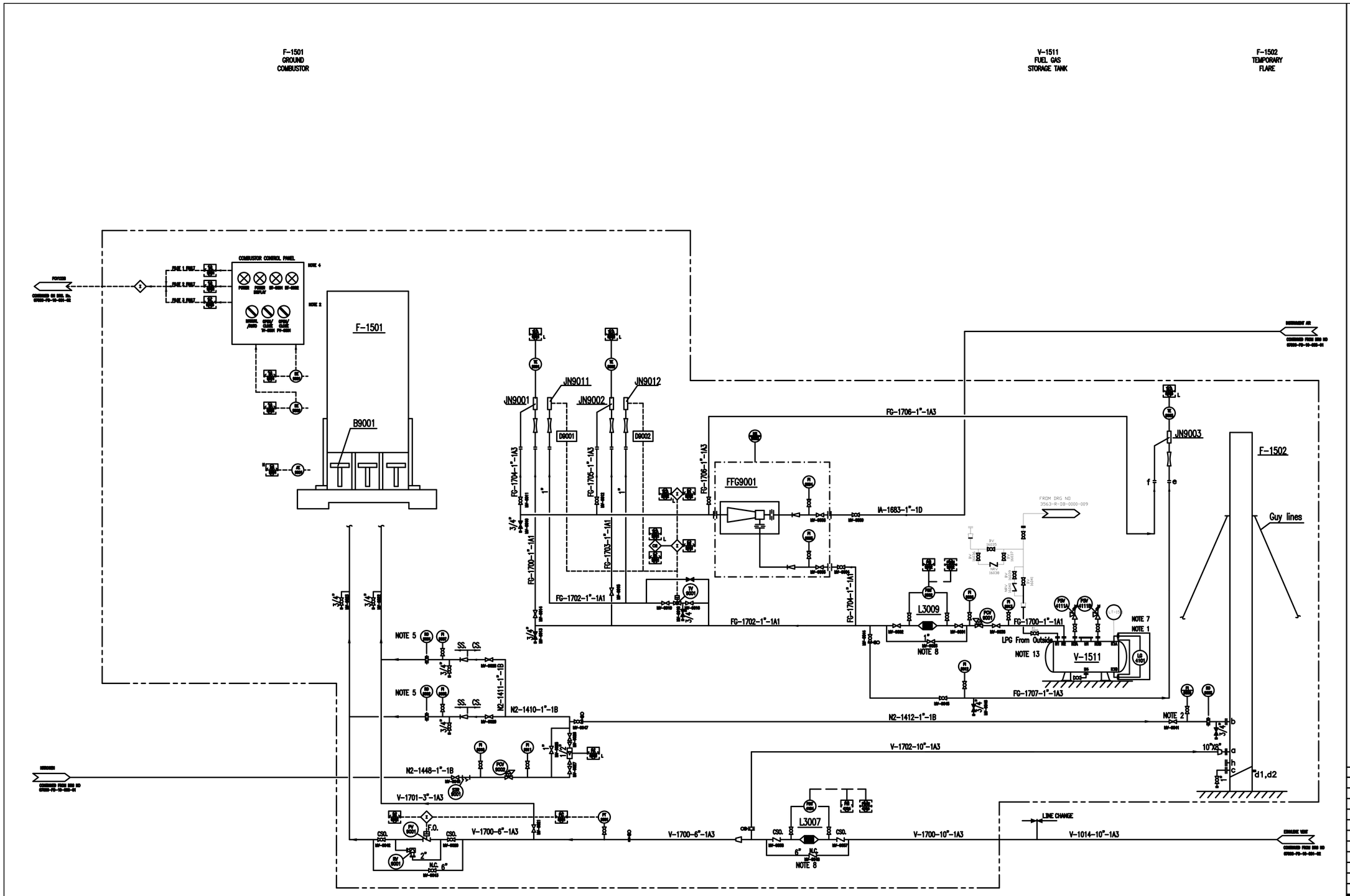

APPROVED
By Ismail Sultan at 6:34 pm, Jan 11, 2017

LEGEND

PROCESS EQUIPMENT TRIP FUNCTION

LINE CLASSES

GENERAL NOTES

NOTES

1. ALL EQUIPMENT, PIPING AND INSTRUMENTATION ON SHOWN THE OWNER SHOULD NOT BASIS LINE WILL BE PROVIDED BY OWNER EXCEPT FOR LEGS, SHOWN 15-0004.
2. NUMBER OF FLARE – 2, NUMBER OF BURNER – 2.
3. NOT USED.
4. COMBUSTOR PANEL CABLING VENDOR SUPPLY, TO BE INSTALLED FOR VENDOR INSTRUCTIONS. CABLING SHOW NOT BE JOINED.
5. S.O. TO REDUCE RE COMBUSTOR PURGE GAS PRESSURE TO BELOW TANK RELIEVING PRESSURE.
6. NOT USED.
7. FUEL GAS SUPPLIED FROM STORAGE TANK. (SUP. SUPPLY)
8. FLARE ARRESTOR.
9. ENSURE PILOT GAS SUPPLY PRESSURE IS 10 BAR G.
10. SEARCH.
11. SEARCH.
12. NO: NORMALLY CLOSED, NO: NORMALLY OPEN.
13. LPG CONNECTION TO FILL TANK.

DESIGN DATA					
ITEM NO	SERVICE	FLARE RATE (Kg/hr)	FLARE GAS MOLECULAR WEIGHT (Kmol/ Kg)	FLARE GAS PRESSURE (Bar / Kg/cm²) PER FLARE	FLARE GAS TEMPERATURE (Bar / K)
F-1501	GROUND COMBUSTOR	350	1.0	2	65

ITEM	EQUIPMENT NAME	DESCRIPTION
F-1501	ENCLOSED BURNER STACK	LD=ø8.4m,H=10m
B9001	GROUND FLARE BURNERS	
JN9001	PILOT FOR FIRST STAGE	
JN9002	PILOT FOR SECOND STAGE	
FFG9001	FLARE FRONT GENERATOR IGNITION UNIT	
JN9011	HIGH VOLTAGE GENERATOR FOR ELECTRIC IGNITION	
JN9012	HIGH VOLTAGE GENERATOR FOR ELECTRIC IGNITION	
JN9011	IGNITOR FOR THE FIRST STAGE	
JN9012	IGNITOR FOR THE SECOND STAGE	
D9001	FLARE ARRESTOR	1"
F-1502	TEMPORARY FLARE	8", H=10m
JN9003	PILOT	

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPR.
09	21/12/16	LT-1511 INCLUDED	MHS	SMM	IS
08	05/09/09	AS BUILT	SZH	BIK	-
07		AS BUILT (CR-088)	JS		
06	12/09/08	COMBUSTOR CONTROL PANEL AND NOTE 2	JS	JM	MH
		MODIFIED AND FIA-9002 WAS FIA-9001 (CR-089)			
05	08/08/08	CLIENT COMMENTS ADDED & LINE NUMBERING CHANGED (CR-056)	LE	LUC	AGS
04	04/07/08	APPROVED FOR CONSTRUCTION (CR-041)	JS	LUC	AGS
03	14/03/08	APPROVED FOR CONSTRUCTION	JS	LUC	MH
		(CR-025, CR-029 AND CR-032)			
02	20/12/07	UPDATED TO CLIENT COMMENTS (CR-015)	JS	AGS	AGS
01	19/10/07	POST DESIGN REVIEW / HAZOP (CR-002)	JS	LUC	MH
00	20/07/07	FOR DESIGN REVIEW/HAZOP	JS	LC	AJS

CLIENT
ENGRO VOPAK TERMINAL LIMITED

PROJECT
ETHYLENE STORAGE AND HANDLING FACILITY
KARACHI, PAKISTAN

Excellent Engineering Solutions
WEIR LGE PROCESS
DEFENCE, NUCLEAR & GAS

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TITLE
P&I Diagram
COMBUSTION SYSTEM

DRAWING No.	REV.	NEXT SHEET	SCALE	SIZE
07006-PD-10-004-01	09	-	NTS	A0

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