



TYPICAL - FOR REFERENCE ONLY

- NOTE:**
- 1- PANEL, LOCATED MAX. DISTANCE 3m FROM WIND FENCE (LOCATION BY IZHC).
  - 2- IGNITION SYSTEM, AUTOMATIC HE SYSTEM, MANUAL FFG.
  - 3- ALL PIPES & CABLE TRAYS BETWEEN SPONS AND BURNERS BY IZHC.
  - 4- HEATER/COOLERS, DRYER, EACH FLOW LINE IN ACROSTIC SYSTEM.
  - 5- IZBATTERY LIMIT, MAIN HEATER SIZE TO BE CONFIRMED BY CUSTOMER.
  - 6- STEAM FLOW TRANSMITTERS INSTALLED ALONG STEAM LINE UPSTREAM STEAM SKID.
  - 7- IGNITION/STAGING SYSTEM WILL BE OPERATED FROM DCS, NO LOGIC IN IOP.
  - 8- IGNITION LINES, CURVES SHALL BE 50 MINIMUM WITH NO POCKETS.
  - 9- ACROSTIC SYSTEM WILL BE PLACED CLOSE TO THE COMBUSTION CHAMBER.
  - 10- SINKING VALVES FOR USE BY OTHERS.
  - 11- OTHER VALVES FOR ANY ADDITIONAL PILOT.
  - 12- SAME SCHEME FOR ANY ADDITIONAL PILOT.
  - 13- STEAM LINE PRELIMINARY 16" (TO BE CONFIRMED LATER).
  - 14- SAME SCHEME FOR ANY ADDITIONAL STAGE.

- LEGEND**
- BY OTHERS BATTERY LIMIT
  - BY IZHC VENTURRY ASSEMBLY
  - SELF CONTAINED
  - PRESSURE REDUCING-REGULATOR
  - FULL BORE BALL VALVE
  - CHECK VALVE
  - GATE VALVE
  - NEEDLE VALVE
  - "Y" TYPE STRAINER
  - RESTRICTION ORIFICE
  - THREE WAY SOLENOID VALVE
  - BUTTERFLY ON/OFF VALVE SINGLE ACTING
  - REDUCER
  - INSTRUMENT MOUNTED IN FIELD
  - INSTRUMENT MOUNTED ON LOCAL PANEL
  - INDICATING LAMP
  - DCS SYSTEM
  - ESD SYSTEM
  - MAIN PROCESS LINES
  - BATTERY OR PACKAGE LIMIT
  - PNEUMATIC SIGNAL
  - ELECTRICAL SIGNAL
  - SOFTWARE LINK SIGNAL
  - TE-IN POINT

FOR PARTS AND SERVICE • TEL: (800)755-4232 • FAX: (918)234-5705 • E-MAIL: FLARE@HSHAMWORTHY.COM

NO.	ISSUED FOR REVISION	REVISION DESCRIPTION	DATE
1	ISSUED FOR REVISION		2018.03.17
2	ISSUED FOR REVISION		15.05.2017
3	ISSUED FOR REVISION		02.05.2017

**JOHN ZINK CONSTRUCTION**  
JOHN ZINK COMPANY, LLC

**ENCLOSED GROUND FLARE**  
PRELIMINARY P&ID

DATE: 11

SCALE: 1" = 1'

PROJECT: JZ 55259 2