



- NOTES:**
1. FINAL INSTRUMENT AND DEVICE SETTINGS AND RANGES WILL BE DETERMINED AT INSTALLATION AND COMMISSION.
 2. VENTS MUST BE LOCATED AT HIGH POINTS IN THE SYSTEM.
 3. DRAINS MUST BE LOCATED AT LOW POINTS IN THE SYSTEM.
 4. SLOPED LINES MUST BE MINIMUM 0.625 IN / 1 FT WITH NO POCKETS PERMITTED UNLESS OTHERWISE NOTED.
 5. LSSL415 PROBE LENGTH CUT TO 1" BELOW ACTUATED POINT OF LSL416.
 6. LSL413 LOCATED 1" ABOVE ACTUATED POINT OF LSL416.
 7. INSULATION AND HEAT TRACING OF PIPING BY OTHERS
 8. 1" FNPT CONDENSATE DRAIN CONNECTION. PIPED TO DRAIN BY OTHERS.
 9. DUCTING AND FIELD WELD BY CUSTOMER. CUSTOMER TO USE EXPANSION JOINTS AS NEEDED TO ACCOMMODATE THERMAL EXPANSION OF HOT DUCTS
- ★ INDICATES SHIP LOOSE

- BURNER INTERLOCKS:**
- TIAH407 - HIGH FLUE GAS TEMPERATURE
 - TIAH408 - HIGH INNER COIL FLUID TEMPERATURE
 - PSH402 - HIGH STEAM PRESSURE
 - PSHH411 - HIGH HIGH STEAM PRESSURE
 - LSL416 - LOW CONDENSATE LEVEL
 - LSSL415 - LOW LOW CONDENSATE LEVEL
 - LSL413 - LOW CONDENSATE LEVEL



2232 Tecumseh Dr.
Norman, OK 73069
Ph. 405-321-9800
Fax 405-321-9801
www.gtsenergy.com

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NEWPOINT THERMAL, LP. DISTRIBUTION OR REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE SPECIFIC WRITTEN PERMISSION OF NEWPOINT THERMAL, LP IS PROHIBITED.



REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPRD	REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPRD
4	CORRECTED AS BUILT (PSV OUTLET SIZE & 411 TEE-OFF LOC)	7/3/14	JTC			4	CORRECTED AS BUILT (PSV OUTLET SIZE & 411 TEE-OFF LOC)	7/3/14	JTC		
3	ADDED EXCESS FLOW VALVE, FOR VALVE, INDICATED SHIP LOOSE	3/3/14	JTC			3	ADDED EXCESS FLOW VALVE, FOR VALVE, INDICATED SHIP LOOSE	3/3/14	JTC		
2	Clarified TP E, updated Supply Line size	11/26/13	JTC			2	Clarified TP E, updated Supply Line size	11/26/13	JTC		
1	Removed Secondary Relief line, General Updates	8/12/2013	JTC			1	Removed Secondary Relief line, General Updates	8/12/2013	JTC		
0	Removed CAPH and General updates	8/7/2013	JTC			0	Removed CAPH and General updates	8/7/2013	JTC		

TITLE:		NUK 1500 HEATER P&ID	
SIZE	DRAWING NO.	DATE	REV
D	7191-004	7/3/14	4
SCALE: NONE	DATE: 7/3/14	SHEET 1 OF 1	