


HEATER H-1000
 1,000,000 BTU/HR INDIRECT LINE HEATER
 48"OD X 16'-0"LG

COIL #1 3"-SCH. XXH, 6 PASS DESIGN PRESSURE: 5031 PSIG DESIGN TEMP.: 200°F/-20°F C.A.: 1/8" RADIOGRAPHY: 100% PWHT: 1 HR @ 1150°F	COIL #2 3"-SCH. XXH, 6 PASS DESIGN PRESSURE: 5031 PSIG DESIGN TEMP.: 200°F/-20°F C.A.: 1/8" RADIOGRAPHY: 100% PWHT: 1 HR @ 1150°F	COIL #3 3"-SCH.80, 2 PASS DESIGN PRESSURE: 1350 PSIG DESIGN TEMP.: 200°F/-20°F C.A.: 1/8" RADIOGRAPHY: 100% PWHT: 1 HR @ 1150°F	COIL #4 3"-SCH.80, 2 PASS DESIGN PRESSURE: 1350 PSIG DESIGN TEMP.: 200°F/-20°F C.A.: 1/8" RADIOGRAPHY: 100% PWHT: 1 HR @ 1150°F
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V-1100
 FUEL GAS SCRUBBER
 8 5/8"OD X 36"LG
 DESIGN PRESSURE: 285 PSIG @ -20°/100°F
 C.A.: 0.125"

- NOTES:**
1. PIPING TO BE FABRICATED IN ACCORDANCE WITH ASME CODE B31.3 EDITION 2008.
 2. 1" PIPING TO BE A-106-B SCH.80, FITTINGS - 3000# NPT, A-105.
 3. TUBING TO BE 3/8" 316 SS, C/W SS SWAGelok FITTINGS.
 4. VALVES:
NPT BALL VALVES - JAG & NED CSA APPROVED,
NPT NEEDLE VALVES - ANDERSON GREENWOOD
 5. PAINTING:
SANDBLAST TO SSPC-SP6
ONE (1) COAT OF PRIMER
ONE COAT OF FINISH CLOVERTHANE: SKID - BLUE, HEATER WITH PIPING - GREY.
STACK- ONE (1) COAT OF HIGH TEMPERATURE BLACK
 6. FILL VOLUME OF HEATER SHELL: 954 IMP. GALLONS
FILL VOLUME OF EXPANSION POT: 92 IMP. GALLONS
TOTAL COIL VOLUME: 8.38 CU. FT.
TOTAL WT (INCL. SKID): 13050 LBS
 7. SHELL & EXP. POT INSULATED WITH 1 1/2" AF530 PLUS EMBOSSED ALUMINUM JACKET.
 9. INSTRUMENT ENCLOSURE FOR BURNERS CONTROLS.
 10. ELECTRICAL WIRING FOR BURNER TO BE COMPLETED.
 11. BURNER VALVE TRAIN BUILT TO CSA B149.3.10.

NO.	DATE	REVISIONS	DRAWN	CHECK	DESIGN	APPR.
0	10-10-08	FOR APPROVAL	VI	TMM		
			DRAFTING	ENGINEERING		



PRIORITY PROJECTS LTD.
 1603-8 STREET, NISKU, ALBERTA T9E S7S
 TELEPHONE: (780) 955-3320 FAX: (780) 955-2561

**1,000,000 BTU/HR INDIRECT LINE HEATER - 48"ODx16'-0"LG
 PIPING AND INSTRUMENTATION DIAGRAM**

CUSTOMER NAME MURPHY OIL COMPANY LTD.	SCALE NTS	DRAWING NUMBER 6576-100	REV. 0
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LSD: C-58-A/93-P-9