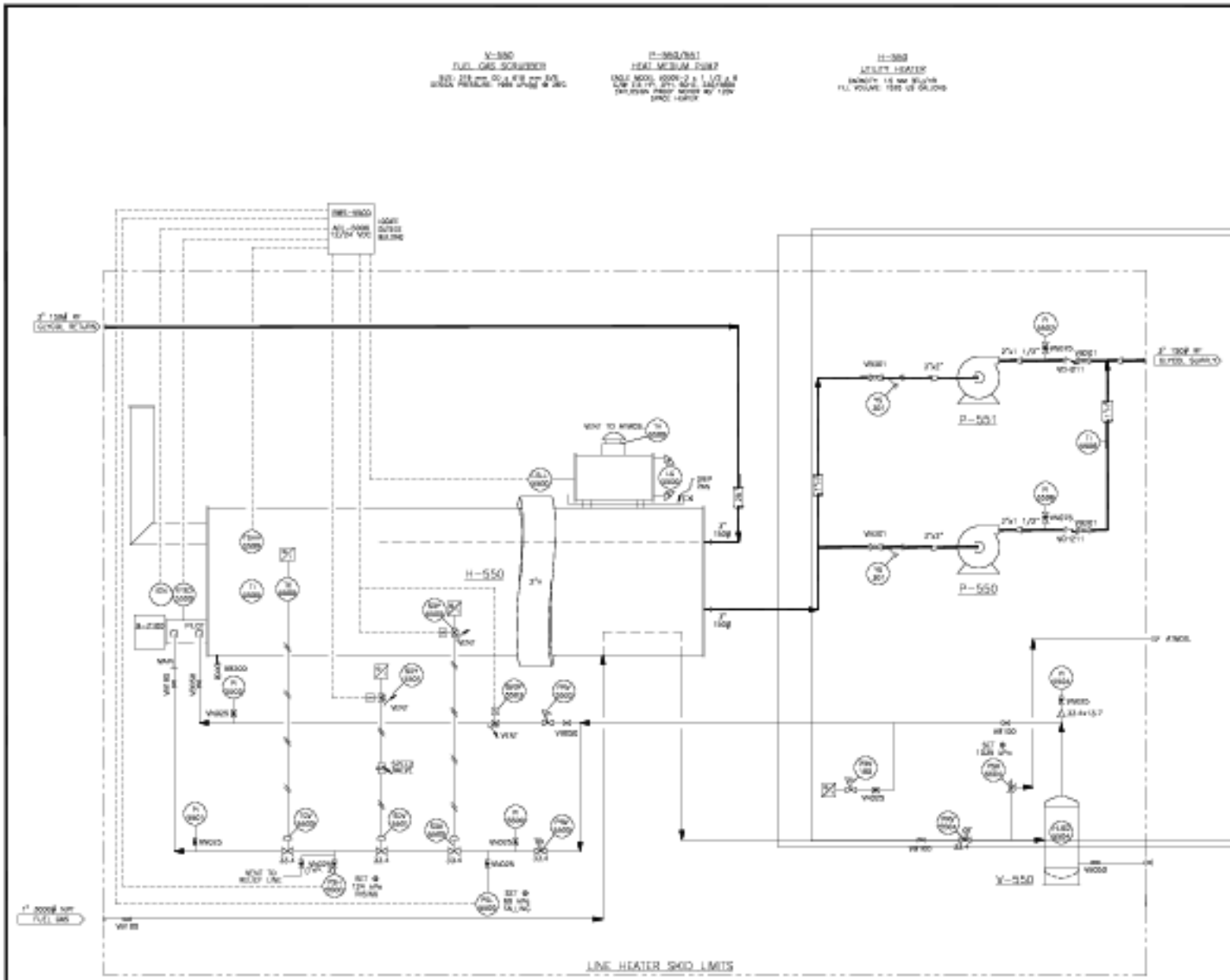

LIST OF MATERIALS

ITEM	QTY	(MAKE)	DESCRIPTION
XXV-0001	1	MISC	SELENOID VALVE, 2"NPT, 120V, 60HZ, UNIVERSAL, EXPLOSION PROOF, 2"NPT PIPE MOUNT
XXV-0002	1	MISC	SELENOID VALVE, 1"NPT, 120V, 60HZ, UNIVERSAL, EXPLOSION PROOF, 1"NPT PIPE MOUNT
XXV-0003	1	MISC	SELENOID VALVE, 1"NPT, 120V, 60HZ, UNIVERSAL, EXPLOSION PROOF, 1"NPT PIPE MOUNT
XLL-0000	1	XXX	LEVEL SWITCH, 2" NPT, SPDT, 120V, 60HZ, EXPLOSION PROOF, 2"NPT PIPE MOUNT
XL-0000	1	XXX	SENSOR, 2"NPT, 120V, 60HZ, EXPLOSION PROOF, 2"NPT PIPE MOUNT
XTV-0000	1	XXXXX	THERMOSTATIC CONTROL VALVE, 1" NPT, 120-240V, 60HZ, SPDT, 5 AMP, 1/2" NPT CONDUIT
XTV-0000	1	XXXXX	THERMOSTATIC CONTROL VALVE, 1" NPT, 120-240V, 60HZ, SPDT, 5 AMP, 1/2" NPT CONDUIT
XTV-0000	1	XXXXX	THERMOSTATIC CONTROL VALVE, 1" NPT, 120-240V, 60HZ, SPDT, 5 AMP, 1/2" NPT CONDUIT
TC-0000	1	XXXXX	TEMP CONTROLLER, 115-120 VAC, ADJUSTABLE 0 TO 300°F, 1/2" NPT x 12" LONG S.S. THERMOWELL
TEMP-0000	1	XXX	TEMP PROBE, 6000T115 0 TO 300°F, 1/2" NPT x 1/2" LONG, 316SS THERMOWELL
D-0000	1	MISC	BURNER / ANNEXOR ASSEMBLY, 1.5 MM BTU/HR, 2 PASS
PI-0000	1	MISC	TEST GAUGE, 0-15 PSI, 2" DIA, 1/4" NPT, BOTTOM MOUNT, LIQUID FILLED
SHS-0000	1	XX	BURNER MANAGEMENT SYSTEM, MOD-0000 120VAC SAFETY SHUTDOWN MODULE
FSS-0000	1	XX	FLAME ROD ASSEMBLY
TI-0000	1	TEMCO	TEMP GAUGE, 2"W 2" LONG STEM, 0 TO 250°F, DUAL SCALE, 1/2" NPT x 1/2" x 2" LONG STEM
TI-0001	1	TEMCO	TEMP GAUGE, 2" 9-5/8" LONG STEM, 0 TO 300°F, DUAL SCALE, 1/2" NPT x 1/2" x 9" LONG STEM
PI-0001	1	BAM	PRESS. GAUGE, 2 1/2" DIAL, 0-60 PSIG DUAL SCALE, LIQUID FILLED, 1/4" NPT BOTTOM MOUNT
PI-0002	1	BAM	PRESS. GAUGE, 2 1/2" DIAL, 0-30 PSIG DUAL SCALE, LIQUID FILLED, 1/4" NPT BOTTOM MOUNT
PI-0003	1	BAM	PRESS. GAUGE, 2 1/2" DIAL, 0-30 PSIG DUAL SCALE, LIQUID FILLED, 1/4" NPT BOTTOM MOUNT
PI-0004	1	BAM	PRESS. GAUGE, 2 1/2" DIAL, 0-100 PSIG DUAL SCALE, LIQUID FILLED, 1/4" NPT BOTTOM MOUNT
P-0000/01	2	BAM	PRESS. GAUGE, 4" DIA, 0-100/300 PSIG DUAL SCALE, LIQUID FILLED, 1/2" NPT BOTTOM MOUNT
PRV-0000	1	XXXX	REGULATOR, 1" NPT, 600#, 0-250 PSIG, 1/4" ORIFICE, 0-20 PSIG SPRING, STEEL TRIM
PRV-XXXX	1	XXXX	REGULATOR, 1" NPT, 600#, 0-250 PSIG, 1/4" ORIFICE, 0-150 PSIG SPRING, STEEL TRIM
PS-0000	1	XXX	PRESSURE SWITCH, MODEL 836G-D-33 @ 0-10 PSIG, MANUAL RESET, STEEL TRIM
PSL-0000	1	XXX	PRESSURE SWITCH, MODEL 836G-D-33 @ 0-10 PSIG, MANUAL RESET, STEEL TRIM
PRV-0000	1	XXXXXX	REGULATOR, 1" x 1" NPT, 600#, 0-250 PSIG, 1/4" ORIFICE, STEEL TRIM
FUSE-0000	1	XXXXX	FUSE, 0.25 AMP, 250 VOLT, SLO BLO, 3AG, 1/4" x 1-1/4"
PRV-0000	1	XXXXXX	REGULATOR, 1/2" NPT, 1500 PSI, 0-15 PSIG RANGE, STEEL TRIM
PRV-000	1	XXXXXX	REGULATOR, 1/2" NPT, 1500 PSI, 0-15 PSIG RANGE, STEEL TRIM
P-0000/01	2	XXXX	CENTRIFUGAL PUMP, 1 1/2 x 3 - 6, 6.75 IN. IMPELLER, 1800 RPM, 5HP, 460V, 3PH, CAST IRON
TS-301	2	TEMCO	THERMOWELL, 2" 150# NPT, 316 SS, STEEL BODY

VALVE LIST

XXV-0000	1	XXXXXX	BALL VALVE, 1" NPT, 2000#, STEEL TRIM
XXV-0000	3	XXXXXX	BALL VALVE, 1.07" NPT, 2000#, STEEL TRIM
XXV-0000	1	XXXXXX	BALL VALVE, 2" NPT, 2000#, STEEL TRIM
VXXX-0001	2	TX	BALL VALVE, 2" 150#, RF SCH. 40ST, STEEL TRIM
VXXX-0001	2	TX	BALL VALVE, 2" 150#, RF SCH. 40ST, STEEL TRIM
VXXX-0001	2	XXXXXXX	SWING CHECK VALVE, 2" 1500#, RF SCH. 80ST, STEEL TRIM
XNV-0000	6	CONTROL	NEEDLE VALVE, 1/4" 1 x 1/4" S, 2000-5-1/2ST-316, CARBON STEEL BODY
XNV-0000	2	CONTROL	NEEDLE VALVE, 3/4" IP x 1/2" F, 2000-3-1/2ST-316, CARBON STEEL BODY

NOTES

SKID
- 2'-0" x 30'-0 1/2", MADE FROM W12" @ 26# BEAM
- 1/4" CHECKER PLATE FLOORING
- (2) LIFT LUGS
- 2" FOAM INSULATION

ENCLOSURE:
- 2'-0" x 6'-0" x 7'-6" DNC, 1/12 SHED ROOF
- 24 GA. PREPAINTED STEEL SAPPHIRE BLUE EXTERIOR FOAM PANEL CONSTRUCTION
- (2) 5'-0" x 6'-0" DOORS ON END SIDE C/W LOCKING DROP ROOTS
- (1) 12" x 12" STAMPED ALUMINUM LOUVRE WITH SLIDING CLOSER
- (1) REMOVABLE ROOF SECTION FOR SERVICE ACCESS

PIPING:
- ALL BUTTWELD PIPING IS SCH 80
- 1 1/2" & SMALLER NPT PIPING IS SCH 80
- MFG 3000# A-105 NPT FITTINGS
- HYDRO-TESTED TO 1.5 X DESIGN PRESSURE
- SEE SCHEMATIC

PAINT:
- EXTERIOR:
- CORROSIVITY: SAN/URBAN
- (1) S/C SHERWIN 4100 PRIMER, 3-3 MILS DFT
- (1) S/C SHERWIN 4100 GREY ALKYD ENAMEL 2-3 MILS DFT

- INSULATED PIPING AND VESSEL:
- HEAT WHITE SMASHLINE
- (1) S/C SHERA 224 HS EPOXY, 6-8 MILS DFT

TUBE / TUBE FITTINGS
- 3/8" x 0.035" WALL SEAMLESS TUBING, 316 SWAGELOK TUBE FITTINGS WITH FERRULES, UNLESS NOTED OTHERWISE

INSULATION:
- 2" MINERAL WOOL W/ 0.020" SMOOTH ALUMINUM CLADDING ON HEATER SHELL
- 1" PREFORMED FIBERGLASS W/ 0.020" SMOOTH ALUMINUM CLADDING ON PIPING

No.	DESCRIPTION	DATE	BRN	APP'D	INIT.
2	ISSUED FOR INFORMATION	Sept 30/04	DB.	DR.	Sept 30/04
1	ISSUED FOR CONSTRUCTION	Aug 20/04	DB.	DR.	Aug 20/04
0	ISSUED FOR APPROVAL	Aug 16/04			

REVISIONS

MOSS FABRICATION LTD.
CALGARY e-mail: mossfab@cadvision.com ALBERTA

TITLE
DECLR 5-9-58-23-W5M
UTILITY HEAT MEDIUM PACKAGE
PROCESS & INSTRUMENTATION DIAGRAM

DWG'LE: CP544-2	DRC: Aug. 03/04	DRAWN: DB.	CLIENT REQ: ANADARKO CANADA CORP. TUNDRA ENGINEERING INC.
JOB No. 2544	SCALE: NTS	APPD. DR/DR	DRAWING No. CP544-2 REV. 2