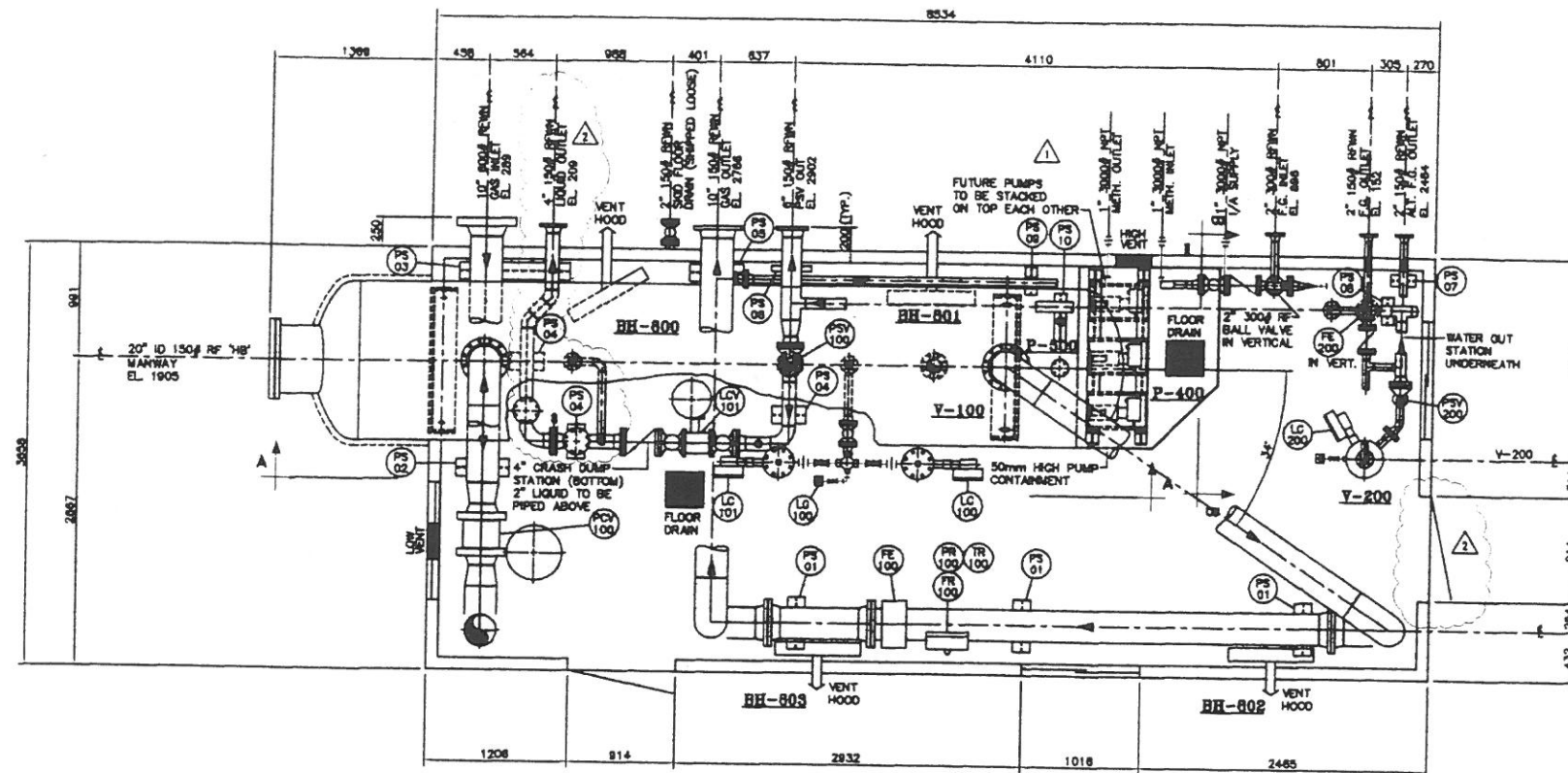
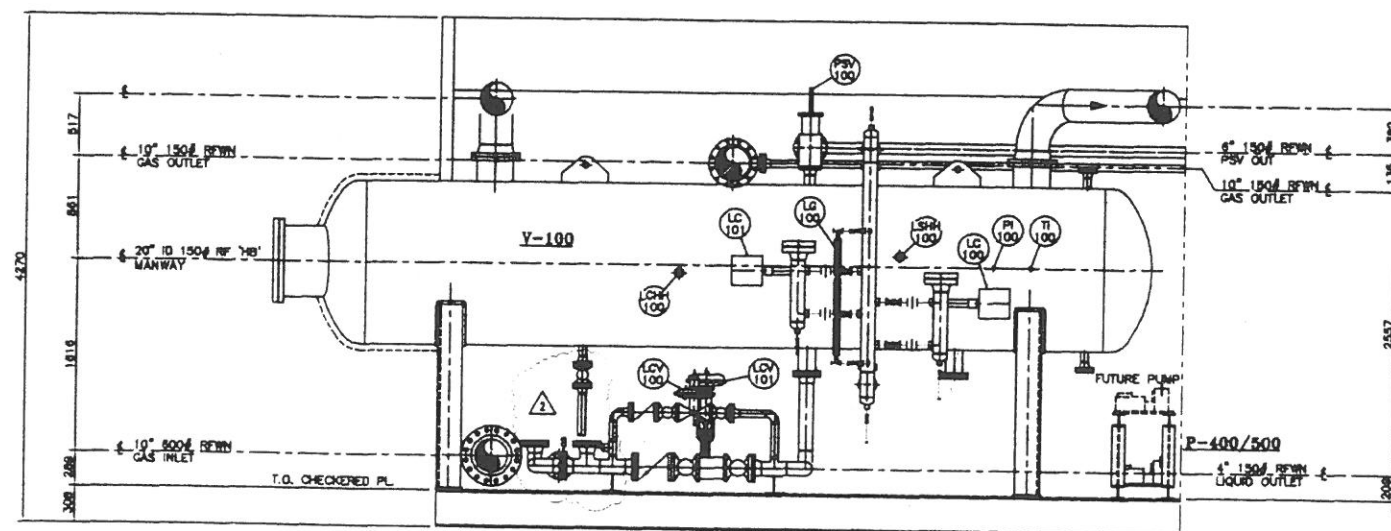
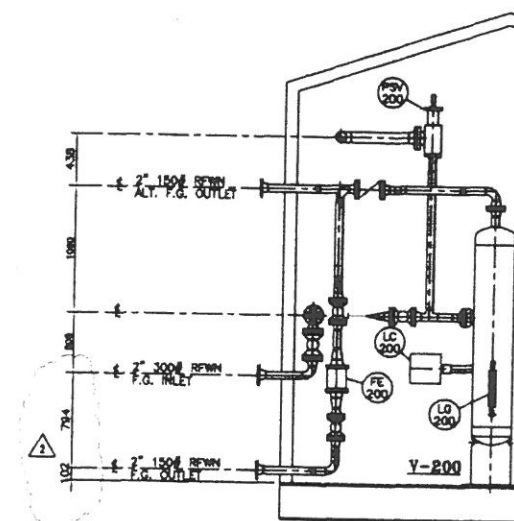




PLAN VIEW



VIEW 'A-A'



VIEW 'B-B'

GENERAL NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
- ALL ELEVATIONS ARE REF. FROM TOP OF CHECKERED PLATE.
- ALL PIPING TO BE HELD @ DIMENSIONS & ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
- MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF B31.3.
- ALL BUTTWELDED 0.0825 C.A. PIPING TO BE:
600 ANSI: 2" AND UP - SCH 80
150 ANSI: 2" - SCH 80, 3" AND UP - SCH STD
- MATERIALS:
PIPING - SA-106B SMLS
FLANGES - SA-105N
FITTINGS - SA-234-WPB
BOLTS - SA-193-B7
NUTS - SA-194-2H
GASKETS - 304SS FLEXITALLIC
- ALL THREAD PIPING TO BE SCH 80 SA-106B SMLS PIPE C/W 3000# SA-105N SCREWED FITTINGS. (EXCEPT AS NOTED IN ITEM #7)
- FIRST PIPE/NIPPLE/SWAGE OFF VESSEL NPT CONNECTIONS TO BE SCH 160 FOR 600 ANSI RATINGS; SCH 80 FOR 150 ANSI RATINGS.
- BUILDING:
DIM: 12'-0" W X 28'-0" LG X 11'-0" H EAVE, GABLE STYLE WITH 4:12 SLOPE
22 GAUGE GALVANIZED EXTERIOR WALLS AND ROOF
R-12 BATT INSULATION IN WALLS IN ROOF
4" INS VAPOR BARRIER
24 GAUGE WHITE ALUMINUM INTERIOR LINER
(2) 3'-0" X 7'-0" WALK-IN DOOR WITH LOCKING PANIC HARDWARE, CHECK-CHAIN, TWO WINDOWS, WEATHER STRIPPING, CANOPY AND THRESHOLD.
(3) 40" X 40" HORIZONTAL SLIDING WINDOWS C/W SCREEN AND LATCH CLOSURE
(2) 12" X 12" LOUVERS WITH MANUAL CONTROL & BIRDSCREENS
(1) CONTINUOUS RIDGE VENT C/W MANUAL CONTROLS
- UNIT TO BE COMMERCIALY SANDBLASTED TO SSPC-SP8 PRIOR TO:
ONE(1) COAT OF ZINC CHROMATE PRIMER
TWO(2) COATS OF FINISH ENAMEL PAINT
VESSEL: WARM GREY
PIPING: WARM GREY
SKID FLOOR: WARM GREY
PIPE SUPPORTS: WARM GREY
- ALL BUTTWELDED PIPING SHALL BE 10% (NORMAL) RADIOGRAPHICALLY INSPECTED AND NOT PWT.
- ALL PIPING SHALL BE HYDROTESTED TO 1.5 TIMES THE DESIGN PRESSURE.
- ALL VENTING CONTROLS & INSTRUMENTS SHALL BE VENTED TO O/S INDIVIDUALLY.
- ALL PIPE SUPPORT LOCATIONS TO BE DETERMINED BY SHOP.
- ALL UNION LOCATIONS TO BE DETERMINED BY SHOP.
- UNIT IS REGISTERED FOR ALBERTA, B.C., AND N.W.T. SERVICES.
- SHIPPING DIMENSION: 13'-6" W X 32'-6" LG X 14'-6" H
- SHIPPING WEIGHT: 40,000 LBS

ORBAN INDUSTRIES LTD.

DEC 14 2004

ISSUED FOR CONSTRUCTION

QUALITY
CONTROL

ORBAN INDUSTRIES LTD.
CALGARY, ALBERTA

DRAWN BY: KS
CHECKED BY: ET
DATE: 04-10-25
SCALE: 1:30

03-01-79-06 W5M

PIPING PLAN FOR SLUG

CATCHER SKID PACKAGE (SWEET SERVICE)

PARAMOUNT RESOURCES LTD.

04-315-E

REV. A

(1) REQ'D

TIME CARD
04-315-PPW

REV.	DESCRIPTION	APP'D	DATE	BY	DATE
1	REVISED PER CUSTOMER'S REQUEST			SL	04-11-25
2	REVISED PER CUSTOMER'S REQUEST	ET	04-11-08	SL	04-11-08
3	ISSUED FOR APPROVAL	ET	04-10-27	KS	04-10-27
4	PROJECT CO-ORDINATOR CHECKED: DATE:				

**P-400/500
METHANOL PUMP**
MAKE: TECTAM
MODEL: 4303-P
PLUNGER SIZE: 3/8"
RATE: 1-23 USGAL/DAY
MAX. DISCHARGE: 1200 PSIG
MOTOR: 1/4 HP, 115-230V/1 PH/60 HZ

**V-100
SLUG CATCHER**
SIZE: 54" O.D. X 20'-0" S/S
DESIGN: 285 PSIG @ -20/100°F, 1/16" CA
RADIOGRAPHY: RT-2
PINT: N/A

**BH-800/801/802/803
BUILDING HEATER**
MAKE: BRUET CATADYNE
MODEL: 824-240G
DUTY: 24,000 BTU/H
ACCESSORIES: GRILL, GUARD, SAFETY SHUT-OFF,
REGULATOR, THERMOSTAT,
VENT HOOD, (NATURAL GAS)
120 VAC

**V-200
FUEL GAS SCRUBBER**
SIZE: 12 3/4" O.D. X 5'-0" S/S
DESIGN: 200 PSIG @ -20/100°F, 1/8" CA
RADIOGRAPHY: RT-2
PINT: N/A

**BF-200/210
BUILDING FAN**
MAKE: 12" VENTUR
MOTOR: 1/4" HP, 120V/1PH/60HZ
EXPL. PROOF.
CAP: 12 ACPH
(SUPPLIED W/BUILDING)

BILL OF MATERIAL		
TAG#	QTY	DESCRIPTION
FE-100	1	1" 150# ANSI DANIEL BERNARD ORIFICE FTD C/W SCH. STD. METER RUN, (1)
FX-100	1	1" (1) 3/4" TOL. DOWNSTREAM CONNECTIONS, AGA 3C (3000), C/W FLOW
MF-100	1	5-VALVE CS MANIFOLD, PIPE X FLANGE, INTEGRAL (RECONDITIONED)
MVS-100	1	SUPPLIED AND INSTALLED BY OTHERS
FE-200	1	3" 150# FF ROBERT R&L FUEL GAS METER, 175 PSIG WAMP, STANDARD METRIC
FDI-200	1	COUNTER, PULSE HEADOUT, C/W MTL-5012 ELECTRICAL BARRIER (CAPACITY
		33,832 SOFT @ 100 PSIG)
LC-100	1	2" NPT MORRISSEAL 1001A-2580-SLD LEVEL CONTROLLER C/W 1 7/8" X 12"
		LG PVC VERTICAL DISPLACER, LEFT HAND MOUNT, SNAP DIRECT ACTING, C/W
		EXT. CAGED, SWEET
LC-101	1	2" NPT MORRISSEAL 1001A-2580-SLD LEVEL CONTROLLER C/W 1 7/8" X 12"
		LG PVC VERTICAL DISPLACER, RIGHT HAND MOUNT, SNAP DIRECT ACTING, C/W
		EXT. CAGED, SWEET
LC-200	1	2" NPT MORRISSEAL 1001A-2580-SLD LEVEL CONTROLLER C/W 1 7/8" X 12"
		LG PVC VERTICAL DISPLACER, LEFT HAND MOUNT, SNAP DIRECT ACTING,
		SWEET
LCM-100	1	2" NPT MORRISSEAL 1001A-2580-SLD LEVEL CONTROLLER C/W 1 7/8" X 8"
		LG PVC HORIZ. DISPLACER, LEFT HAND MOUNT, REVERSE ACTING, THROTTLING
		SWEET
LG-100	1	DANIEL 83RL REFLEX LIQUID LEVEL GAUGE C/W IS GAUGE COCKS, 38 5/8"
		VISIBLE LENGTH, SWEET
LG-200	1	DANIEL 81RL REFLEX LIQUID LEVEL GAUGE C/W IS GAUGE COCKS, 12 5/8"
		VISIBLE LENGTH, SWEET
LG-500	1	KENDCO 5700-52-CVR LEVEL GAUGE C/W 1/2" NPT CONNECTIONS,
		DUAL CALIBRATION (LITERS & QUARTS)
LCV-100	1	2" 150# FF MORRISSEAL 2-2200-RT-60-TTV-9 LEVEL CONTROL VALVE,
		1" TRIM, F.C., SWEET
LCV-101	1	4" 180# FF FISHER 1001-V100 SLOTTED DUMP VALVE, C/W SIZE 40
		ACTUATOR, F.C., RIGHT HAND MOUNTED, SWEET, (RECONDITIONED)
LCV-200	1	1" NPT MORRISSEAL 2275-S-40RTV884 DUMP VALVE, 1/2" TRIM, SIZE 9
		ACTUATOR, 3-15 PSIG SPRING RANGE, F.C. SWEET
LSH-100	1	2" NPT SOR 1510B-GA2-C-W-E-S-E-S ELECTRIC LEVEL SWITCH, EXP. PROOF,
		24 VDC
PCV-100	1	8" 800# FISHER 1001-V100 INLET CONTROL VALVE C/W SIZE 80 ACTUATOR,
		3610 VALVE POSITIONER, F.C. (RECONDITIONED) C/W FISHER 846 1/P
		TRANSDUCER, 4-20MA INPUT, 5-30 PSIG OUTPUT (RECONDITIONED) AND MOORE
		81W LOW SELECT RELAY, LEFT HAND MOUNTED
PI-100	3	4" DIAL W/ 101040P PRESSURE INDICATOR, DUAL UNIT, LIQUID FILLED,
PI-200	1	1/2" NPT BOTTOM CONNECTION, 0-300 PSIG RANGE
PI-210	1	1" NPT FISHER 627 REGULATOR, STEEL BODY C/W 1/2" TRIM, 80-150 PSIG
		SPRING RANGE, SET @ 150 PSIG, SWEET SERVICE, (RECONDITIONED)
PRV-201	1	1" NPT FISHER 627 REGULATOR, STEEL BODY C/W 1/2" TRIM, 80-150 PSIG
		SPRING RANGE, SET @ 148 PSIG, SWEET SERVICE, (RECONDITIONED)
PRV-101	6	1/4" NPT FISHER 67CPR REGULATORS, 5-35 PSIG RANGE, SWEET SERVICE
PSV-100	1	3" 150# FF X 4" 150# FF FARRIS 20KA10-120 PRESSURE SAFETY RELIEF
		VALVE, SET @ 265 PSIG, SWEET SERVICE (GAS)
PSV-200	1	1 1/2" 150# FF X 3" 150# FF FARRIS 20KA10-120 PRESSURE SAFETY RELIEF
		VALVE, SET @ 175 PSIG, SWEET SERVICE (GAS)
PSH-100	1	1/2" NPT UNITED ELECTRIC SPECTRA 125N SERIES PRESSURE SWITCH, TYPE 5,
		SET @ 240 PSIG, RESING
TI-100	2	WJ31205 TEMPERATURE INDICATOR, 3" DIAL FACE X 4" LG STEM, -20 TO 120°C,
TI-200	1	1/2" X 3/4" X 4" LG, 304SS, TIL
TI-210	1	WJ31205 TEMPERATURE INDICATOR, 3" DIAL FACE X 2 1/2" LG STEM,
		-20 TO 120°C, 1/2" X 3/4" X 2 1/2" LG, 304SS, TIL
SB-100	1	4" 150# FF SPECTACLE BLIND, SA-516-70N
BAE-401RR	2	4" 150# FF REG. PORT BALL VALVE C/W GREASE NIPPLE, NF E2158-1922081,
		SWEET
BAE-201RR	10	2" 150# FF REG. PORT BALL VALVE C/W GREASE NIPPLE, NF E2151-1922081,
		SWEET
BAE-203RR	2	2" 300# FF REG. PORT BALL VALVE C/W GREASE NIPPLE, NF EYTT-1922081,
		SWEET
BAE-520F	4	1 1/2" NPT FULL PORT BALL VALVE, NUTRON T3-F15520, SWEET
BAE-420	10	1" NPT REG. PORT BALL VALVE, NUTRON T3-R10520, SWEET
BAE-320	5	3/4" NPT REG. PORT BALL VALVE, NUTRON T3-R07520, SWEET
BAE-220F	12	1/2" NPT FULL PORT BALL VALVE, NUTRON T3-F05520, SWEET
CHE-401RR	1	4" 150# FF SWING CHECK VALVE, WHEATLEY 810-048027-101, SWEET
CHE-201RR	2	2" 150# FF SWING CHECK VALVE, WHEATLEY 810-025027-101, SWEET
CHE-203RR	1	2" 300# FF SWING CHECK VALVE, WHEATLEY 810-025073-101, SWEET
CHE-108	3	1/4" NPT INLINE BALL CHECK VALVE, TAURUS LCV-BR-1/4", SWEET
		(2) SUPPLIED W/ PUMP)
NEE-280	5	1/2" NPT X 1/2" NPT NEEDLE VALVE, CENTURY CM2-3-M44T-BV, SWEET
NEE-180	14	1/4" NPT X 1/4" NPT NEEDLE VALVE, CENTURY CM2-3-M22T-BV, SWEET
STE-408	1	1" NPT Y-STRAINER ALBERTA STRAINER, TS-800, SWEET

NOTES:
1. INSTR./PROCESS TUBING:
3/8" 316SS C/W SWAGelok SS FITTINGS.
BUILDING HEATER TUBING:
3/8" 316SS C/W SWAGelok SS FITTINGS.
METH. INJECTION SYSTEM TUBING:
3/8" 316SS C/W SWAGelok SS FITTINGS.
2. ALL EXHAUSTING AIR INSTRUMENTS ARE NOT VENTED.
3. 2" THK. FIBERGLASS INSULATION O/S BUILDING ONLY.
4. RING FOR FUTURE WEIR PLATE INSTALLATION

ORBAN INDUSTRIES LTD.
CALGARY, ALBERTA
DATE: 04-10-13
SCALE: N.T.S.
ISSUED FOR CONSTRUCTION

ORBAN INDUSTRIES LTD.
CALGARY, ALBERTA

03-01-79-06 W5M
MECHANICAL FLOW DIAGRAM FOR SLUG
CATCHER SKID PACKAGE (SWEET SERVICE)
PARAMOUNT RESOURCES LTD. 04-315-D

REVISED PER CUSTOMER'S REQUEST	ET	04-11-26	LL	04-12-02
REVISED PER CUSTOMER'S REQUEST	ET	04-11-26	LL	04-11-26
REVISED PER CUSTOMER'S REQUEST	ET	04-11-08	LL	04-11-08
ISSUED FOR APPROVAL	ET	04-10-13	LL	04-10-13
REV. DESCRIPTION	APP'D	DATE	BY	DATE
PROJECT CO-ORDINATOR CHECKED: DATE: BY:				

**QUALITY
CONTROL**

- MAX. ΔP=350 PSIG
- MAX. ΔP=740 PSIG
- 2" 150# BALL VALVE SHALL BE SHIPPED LOOSE.
- ALL EXHAUSTING GAS INSTRUMENTS VENTED TO SKID EDGE INDIVIDUALLY.
- DENOTES SUPPLIED AND INSTALLED BY OTHERS.

(1) REQ'D
TIME CARD
04-315-PPS

