90D-4968
TEST SEP. POP TANK
SIZE: 3048mm DIA x 4572mm H (10'-0" DIA X 14'-0" H)
VOLUME: 33 m (200 BBL)
DESIGN ATM @ 100°C

90C-4960
FLARE KNOCKOUT DRUM
SIZE: 1220mm ID x 3660mm S/S
DP.: 345 kPag @ 200°C
MAWP: 1351 kPa @ 200°C
INSULATION: 2H
INTERNAL COATING: NONE

90G-4961
FLARE KNOCKOUT PUMP
CAPACITY: 6 m³/hr
P: 350 kPa Δ
MOTOR: 3.7 kW, 600/3/60, TEFC
(FUTURE)

90F-4962
FLARE STACK
SIZE: 254mm DIA x 12200mm H O/A
TIP: 114mm dia x 1.4m SS TIP

90K-4962
FLARE STACK BLOWER
C/W 1.5 kw (2.0Hp) BLOWER
TWO SPEED-TEFC
C/W 205 mm Ø
BLOWER STACK

90RA-8031
PROPANE INJECTION SKID

90D-4968
24X48

NOTES
1. LSL-___ & LSH-___ START & STOP K.O. PUMP, LAHH-___ SHUTS IN PLANT ON TIME DELAY.
2. INSTALL LOCK DEVICE TO OPEN GAS VALVE WHEN TRUCK VALVE IS OPENED.
3. DEVIATION ALARM TO BE ADDED TO DCS.
4. 1/2" BLEED VALVES ARE SUPPLIED BY TRANSMITTER BLEED RING
5. ROUTE BUTANE VENT TO SEPARATE SAFE ATMOSPHERE. (FLARE KNOCKOUT DRUM)
6. MOUNT TUBING INTAKE WITHIN OUTLET NOZZLE
7. ROUTE PROPANE VENT TO SEPARATE SAFE ATMOSPHERE. (FLARE KNOCKOUT DRUM)
8. 1" DRAIN VALVE TO BE SPRING LOADED.

UNLESS OTHERWISE SHOWN ALL INSTRUMENT TAGS ON THIS P&ID ARE PREFIXED "90"

REFERENCE DRAWINGS
* SUPPLIED BY VESSEL VENDOR
▲▲ SUPPLIED WITH SP-80049

PREVIOUS IFC REVISIONS

2	01	12	31	AS BUILD-DEC 2001	NRM	MO	GP	GP
1	01	05	31	REMOVED HOLD ON POP TANKS	NRM	BD	GP	GP
0	01	04	27	ISSUED FOR CONSTRUCTION	RP	BD	GP	GP

REV.	DATE Y	M	D	DESCRIPTION	BY	CHK.	ENG.	APP.
2C	02	10	15	IF DESIGN-PILOT CONVERT	TK	GP	GP	GP
2B	02	09	16	IF EDS A - PILOT CONVERT	JP	TK	GP	GP
2A	02	08	20	IFA-ETS CONVERSION	JP	TK	GP	GP
1B	02	08	20	IFC-FL 4920 ADDED	JP	MO	GP	GP

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TITLE
PIPING & INSTRUMENTATION DIAGRAM
ETS PILOT
FLARE SYSTEM, 90C-4960

PLOT SCALE:

EQUIP. NO. 90D-4968, 90C-4960, 90F-4962		PLANT AREA 90-PILOT
EWR NO. 90-2002-002	SCALE NTS	DOS FILE NAME 90D4968-0029.DWG
DRAWN BY JP	CHECKED BY RK	MICRO. REV.
APPROVED	DRAWING NO. PD90D-A-0029	REV. 2C

Macdonald Engineering Group Ltd.
CALGARY ALBERTA CANADA