



**AB-160A/B**  
**ACCUMULATOR BOTTLE**  
 8 5/8" OD x 2'-0" SM/FOF  
 277 PSIG x -20/130°F x 1/8" C.A.  
 FOR SOUR SERVICE

**EF-1020**  
**EXHAUST FAN**  
 12 ACPH, 115/1/60  
 1/4 H.P., X.P. ELECTRIC  
 MOTOR, 12" FAN

**H-190**  
**BUILDING HEATER**  
 RUFFNECK FX5-480360-250-WT  
 480 VAC 3 PHASE 60 HERTZ, 25 KW  
 WELDED CORE, BUILT IN THERMOSTAT,  
 1/2" HP MOTOR, 1725 RPM, 16" FAN,

**L-160**  
**LUBE OIL TANK**  
 55 US GALLON OIL DAY TANK  
 w/ 2" NPT FILLER CAP  
 1/2" NPT SHUT OFF VALVE  
 LEVEL SIGHT GLASS

**P-160A/B**  
**CENTRIFUGAL PUMPS**  
 (2) SUNDYNE PUMPS  
 MODEL LMV-802 VERTICAL INLINE API 610-OH5  
 PUMP SIZE: 2 CL600 x 3 CL600  
 MIN. PUMP FLOW: 3.31 m<sup>3</sup>/h  
 RATED PUMP FLOW: 9.0 m<sup>3</sup>/h  
 RATED HEAD: 58.1 METER  
 MOTOR: 460/3/60  
 BALDOR/RELIANCE 5.0 HP @ 3600 RPM.

**P-170A/B**  
**POSITIVE DISPLACEMENT PUMPS**  
 (2) FMC TRIPLEX PUMPS  
 MODEL M1218-API-CS  
 PUMP SIZE: 3" CL600 RF x 2" CL600 RF  
 TECO-WESTINGHOUSE 40 HP TEFC  
 PUMP SPEED 290rpm, Min. 90rpm  
 MODEL: EL-150-EX explosion proof  
 1800rpm (VFD Compatible) motor type AEHH8N,  
 FRAME No. 324T  
 MOTOR: 460/3/60  
 FOR SOUR SERVICE

- NOTES:**
- INSTRUMENT TUBING TO BE 3/8" DIA. 316 SS (0.035" W.T.) c/w STAINLESS STEEL SWAGelok TUBE FITTINGS
  - DRAIN & PROCESS TUBING TO BE 1/2" 316 SS (0.049" W.T.) c/w STAINLESS STEEL SWAGelok TUBE FITTINGS
  - FOR FIRE SAFE ESD THE PUMPS SHALL BE SHUT DOWN SEVERAL SECONDS PRIOR TO ESD CLOSING VIA A PLC TIMED DELAY CIRCUIT.
  - SEE PACKING LUBRICATION AND VENT SYSTEM FOR DETAIL OF VAPORLESS STUFFING BOX CONNECTION.
  - THE RATE OF PACKING LUBE OIL CONSUMPTION FOR THE FMC PUMP EQUALS 0.521 usgpd
  - CONNECT USED OIL COLLECTION POT TO THE VAPORLESS STUFFING BOX VENT SYSTEM
  - CONNECTION H IS OFF THE PUMP USED FOR A PROVISION FOR GAS BUFFER INLET (GBI) FOR API PLAN 72 (FOR FUTURE)

( 1 ) REQ'D  
 TIME CARD  
 C-3412-PP

DWT. NO	REFERENCE DRAWING	REV	DESCRIPTION	DATE	BY
C-3366B-B1	MECHANICAL FLOW DIAGRAM (SEPARATOR SKID)	Δ	ISSUED FOR APPROVAL	04/09/12	K.M.
C-3413-B1	MECHANICAL FLOW DIAGRAM (FILTER SKID)	Δ	ADDED VALVING TO L-160, ADDED PSV 1601 RELOCATED BR-1602/1603	12/07/12	MC2
			ADDED NOTES 5&6, REVISED PSV SET PRESSURE CHANGED P-170A/B, ADDED (2) BA-29		
			ADDED (2) CH-29		
			ADDED (2) BA-26, (2) BA-29, (2) CH-26, PSHH-1603/04, PI-1607/08, LSSL-1600/03,	02/04/13	R.M.
			UPDATED P-170A/B DRAWING, ISSUED FOR CONSTRUCTION		
			AS BUILT	05/27/13	S.R.



CUSTOMER: ENCANA CORPORATION		LOCATION: 15-33-041-08 W5M	
c/o DPH FOCUS CORP. PO#: CEDCLW-40364			
<b>MECHANICAL FLOW DIAGRAM</b>			
<b>PUMP TRANSFER PACKAGE (SOUR)</b>			
DATE: 11/22/11	DRN BY: D.Z.	SCALE: NTS	CHKD BY: C.C.
APPRD BY:	DWG NO: C-3412-B1	REV: 3	