

UPDATED: Friday, December 06, 2013 3:20:18 PM BY: Vadim
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 PROJECT NAME: FERRIER CENTRAL PROCESSING FACILITY
 CLIENT: DEVON CANADA c/o WORLEY PARSONS
 DOCUMENT NAME: MOLE SIEVE GAS DEHYDRATION PIPING AND INSTRUMENTATION DIAGRAM
 THERMO DESIGN ENGINEERING LTD.
 12-118
 DFR-30-PR-PI-0003

003-K-03-1014
REGENERATION GAS COMPRESSOR
 TYPE: HIGH SPEED CENTRIFUGAL
 MODEL: LMC-311P
 CAPACITY: 4122 Sm³/hr @ 10,192 RPM & 413.6 kPa
003-CF-03-1014
LUBE OIL COOLER FANS

003-KM-03-1014
REGENERATION GAS COMPRESSOR MOTOR
 MOTOR: 29.8 kW @ 3600 RPM, 575V/3#/60Hz

003-FL-03-1014
LUBE OIL FILTER
 TYPE: SPIN ON
 MODEL: SUNGUARD
 ELEMENT: 3 MICRON

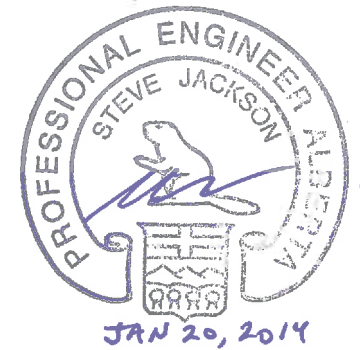
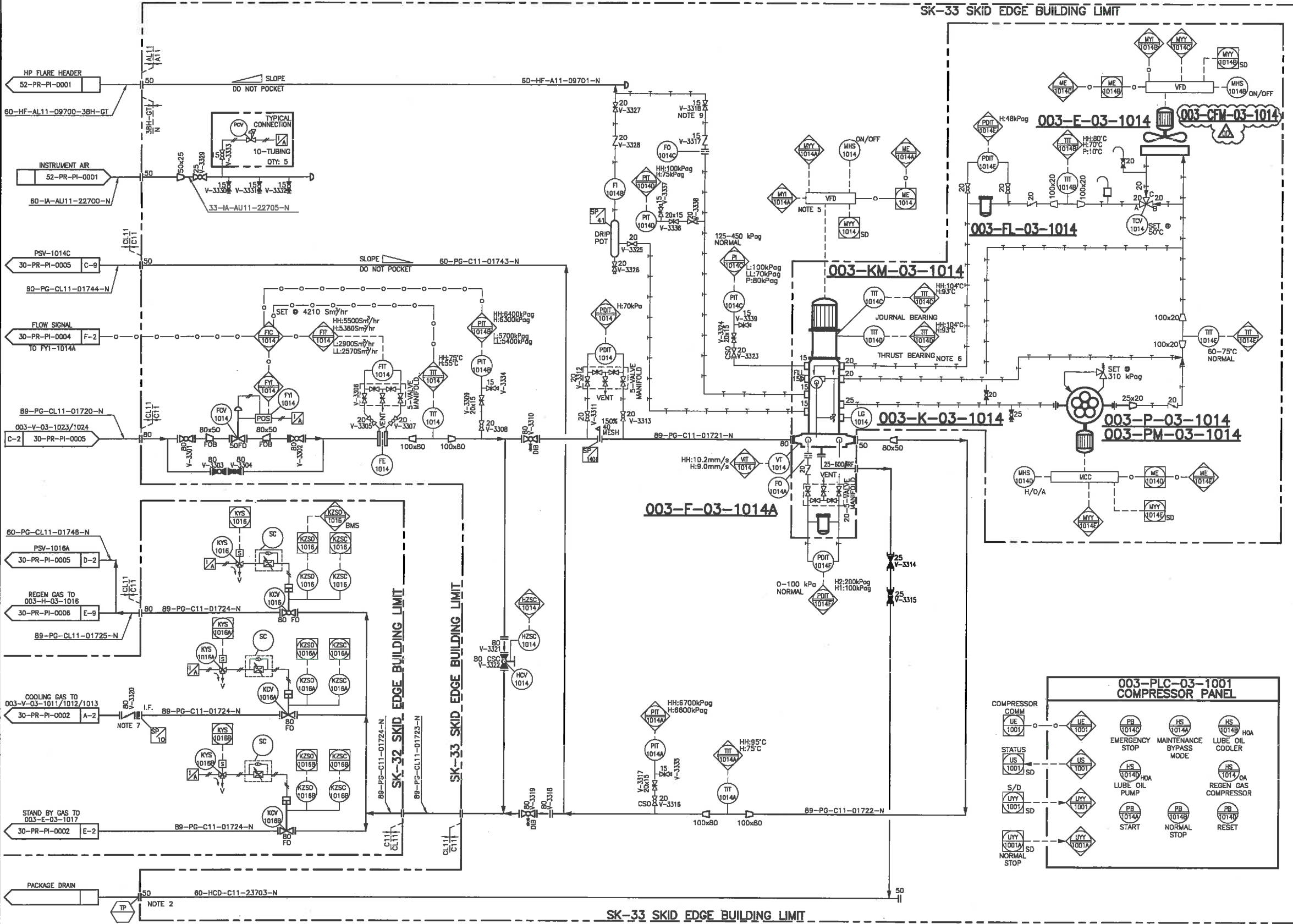
003-P-03-1014
LUBE OIL AUXILIARY PUMP
 TYPE: VIKING
 MODEL: GC-475
 CAPACITY: 1.6 m³/hr @ 35 kPa

003-E-03-1014
LUBE OIL COOLER
 TYPE: HORIZONTAL, FORCED DRAFT
 MODEL: AKG-#AC-16
 DUTY: TBC MJ/hr
 DESIGN: NON-CODE

003-FL-03-1014A
SEAL FILTER
 TYPE: SPIN ON
 MODEL: NOWATA
 ELEMENT: 3 MICRON

003-PM-03-1014
LUBE OIL AUXILIARY PUMP MOTOR
 MOTOR: 0.75 kW, 575V/3#/60Hz
003-CFM-03-1014
LUBE OIL COOLER FAN MOTOR
 MOTOR: 0.75 kW @ 1800 RPM, 575V/3#/60Hz,VFD

- GENERAL NOTES:**
- LOCATED INSIDE BUILDING.
 - 600#RF SKID EDGE CONNECTION.
 - MOTOR IS VFD COMPATIBLE.
 - DELETED.
 - OPERATION OF COMPRESSOR AT A DIFFERENT RPM THAN THE INDICATED DESIGN POINT COULD CAUSE EQUIPMENT DAMAGE AND WILL VOID THE MANUFACTURER'S WARRANTY.
 - THERMOCOUPLES SUPPLIED BY COMPRESSOR MANUFACTURER.
 - FLANGED CONNECTION TO HAVE INSULATING GASKET AND BOLTING.
 - ALL INSTRUMENT SYMBOLS ON THIS PID TO BE PREFIXED BY 03.
 - SPRING LOADED CHECK VALVE SET AT 69-207 kPa.



OD	REVISED AS MARKED	DEC.08/13	VV
DC	REVISED AS MARKED	NOV.12/13	MFF
DB	REVISED AS MARKED	OCT.08/13	MFF
OA	REVISED AS MARKED	AUG.30/13	SSE
D	RELEASED FOR FABRICATION	APR.11/13	MFF
NO.	REVISION	DATE	BY
ELECTRICAL: I & V CONTROL: PROCESSOR: PRODUCT:			
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THERMO DESIGN ENGINEERING LTD. OIL & GAS PRODUCTION EQUIPMENT DESIGN, FABRICATION & INSTALLATION EDMONTON, ALBERTA, CANADA APPROX PERMIT NUMBER: P2500			
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