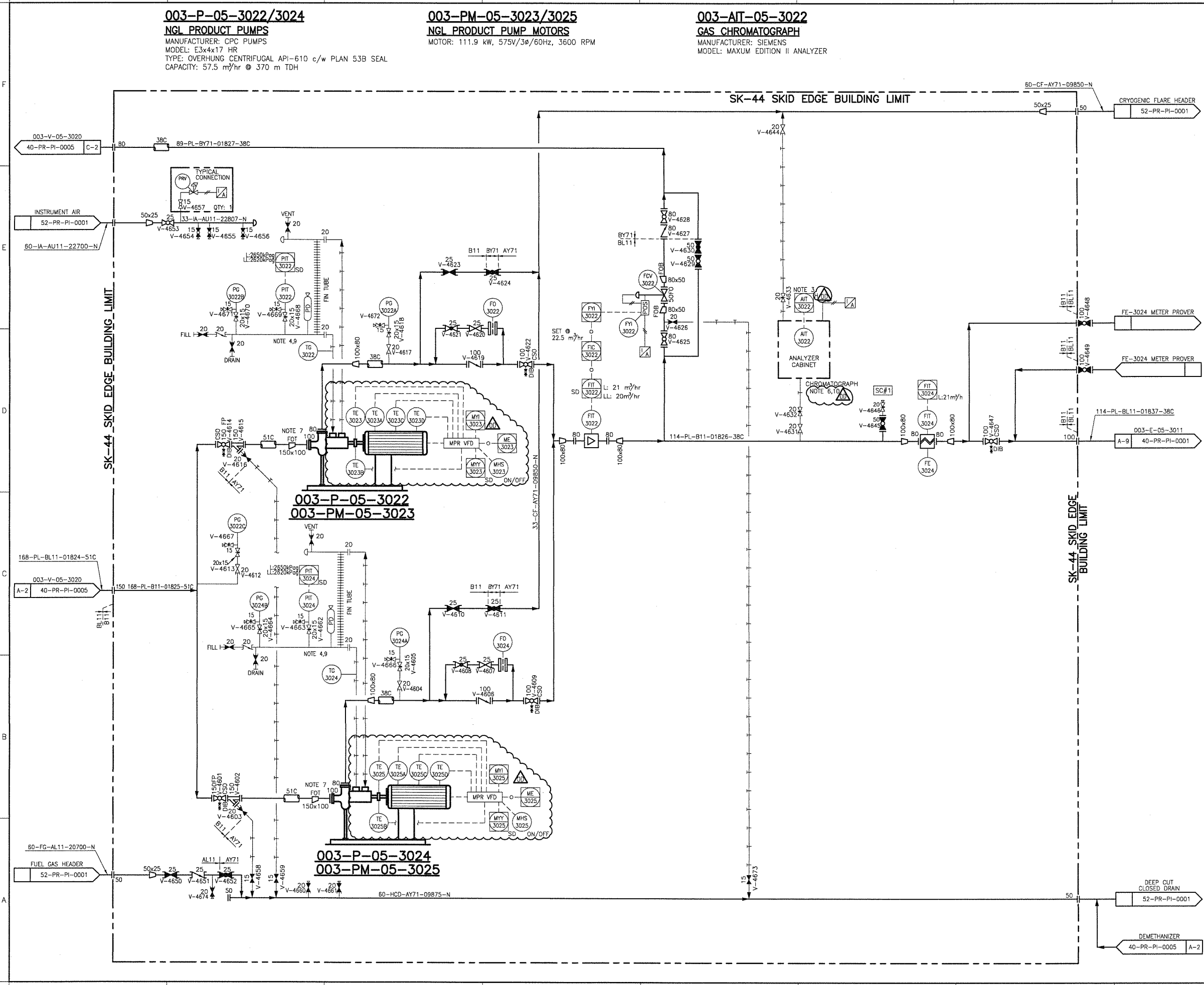
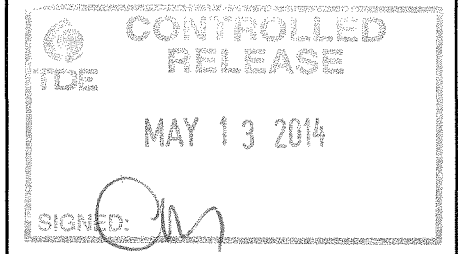


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- NOTES:**
1. DELETED.
 2. DELETED.
 3. HIGH METHANE ALARM AND/OR HIGH METHANE/ETHANE RATIO ALARM AS SOFT ALARM IN PLC.
 4. SEAL PLAN PROVIDED BY PUMP MANUFACTURER. ALL INSTRUMENT TAG NUMBERS SHALL FOLLOW ITS ASSOCIATED EQUIPMENT TAG NUMBERS, UNLESS OTHERWISE INDICATED (EX. PG-1010 ON EQUIPMENT 003-V-03-1010, HIGH INSTRUMENT TAG NUMBER SHALL BE 003-PG-03-1010).
 5. ELECTRICAL HEAT TRACE REQUIRED FROM PROCESS LINE TO SAMPLING SKID AND FROM SAMPLING SKID TO GAS CHROMATOGRAPH.
 6. MINIMUM 3 STRAIGHT PIPE DIAMETERS UPSTREAM OF PUMP.
 7. ALL INSTRUMENT SYMBOLS ON THIS PID TO BE PREFIXED BY 05.
 8. BARRIER FLUID PRESSURE TO BE SET AT 2690 kPa.
 9. GAS CHROMATOGRAPH HAS 120 VAC POWER REQUIREMENT.



DD	REVISED AS MARKED	APR.28/14	MFF
DC	REVISED AS MARKED	NOV.12/13	MFF
DB	REVISED AS MARKED	OCT.09/13	SSE
DA	REVISED FOR INFORMATION	AUG.30/13	SSE
D	RELEASED FOR FABRICATION	APR.5/13	MFF

NO. _____ REVISION _____ DATE _____ BY _____

FERRIER-CENTRAL PROCESSING FACILITY
 CLIENT: DEVON CANADA c/o WORLEY PARSONS

DOCUMENT NAME: NGL PRODUCT PUMPS PIPING AND INSTRUMENTATION DIAGRAM

THERMO DESIGN ENGINEERING LTD.
 DESIGN • FABRICATION • INSTALLATION
 EDMONTON, ALBERTA, CANADA
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