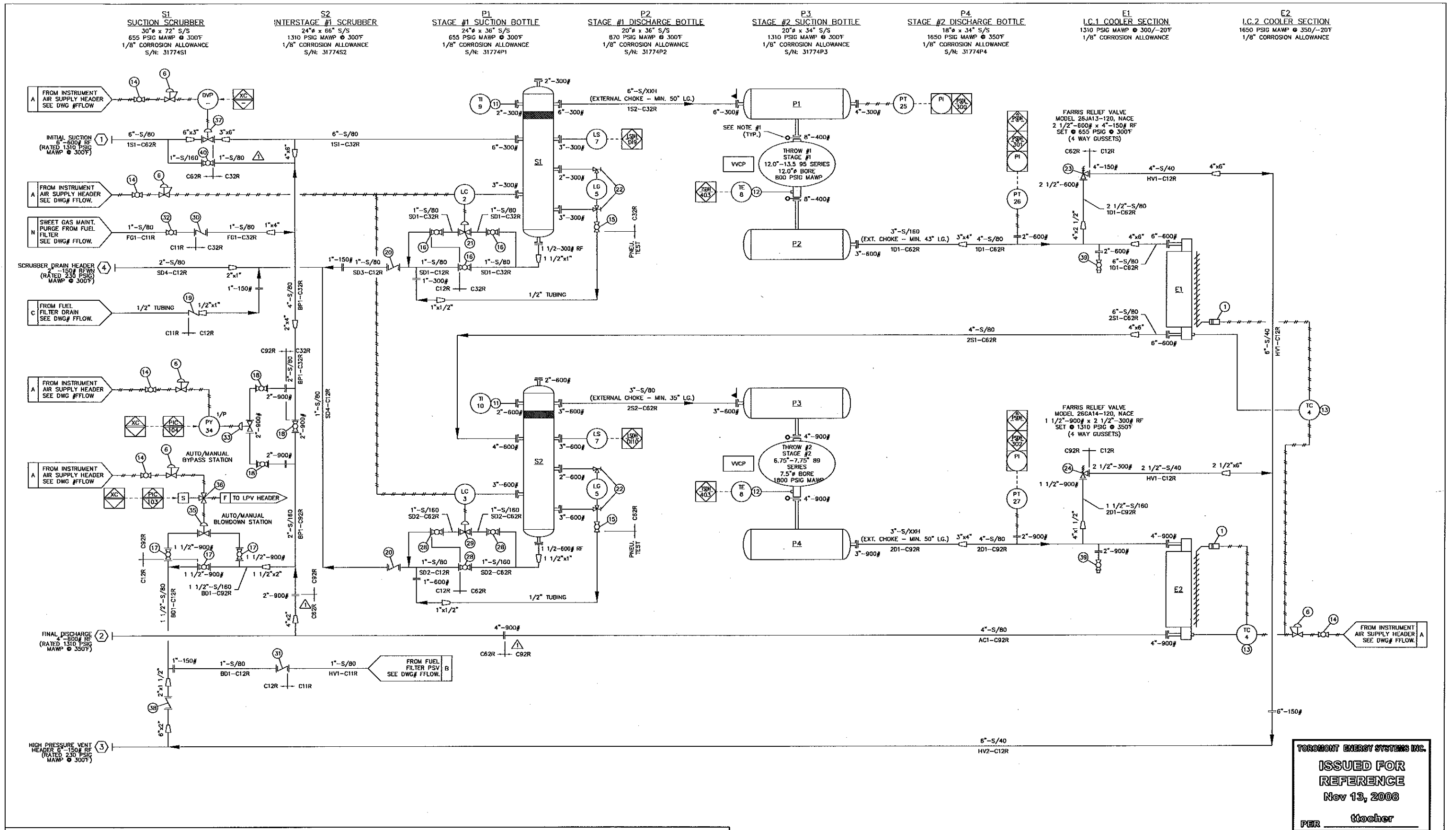
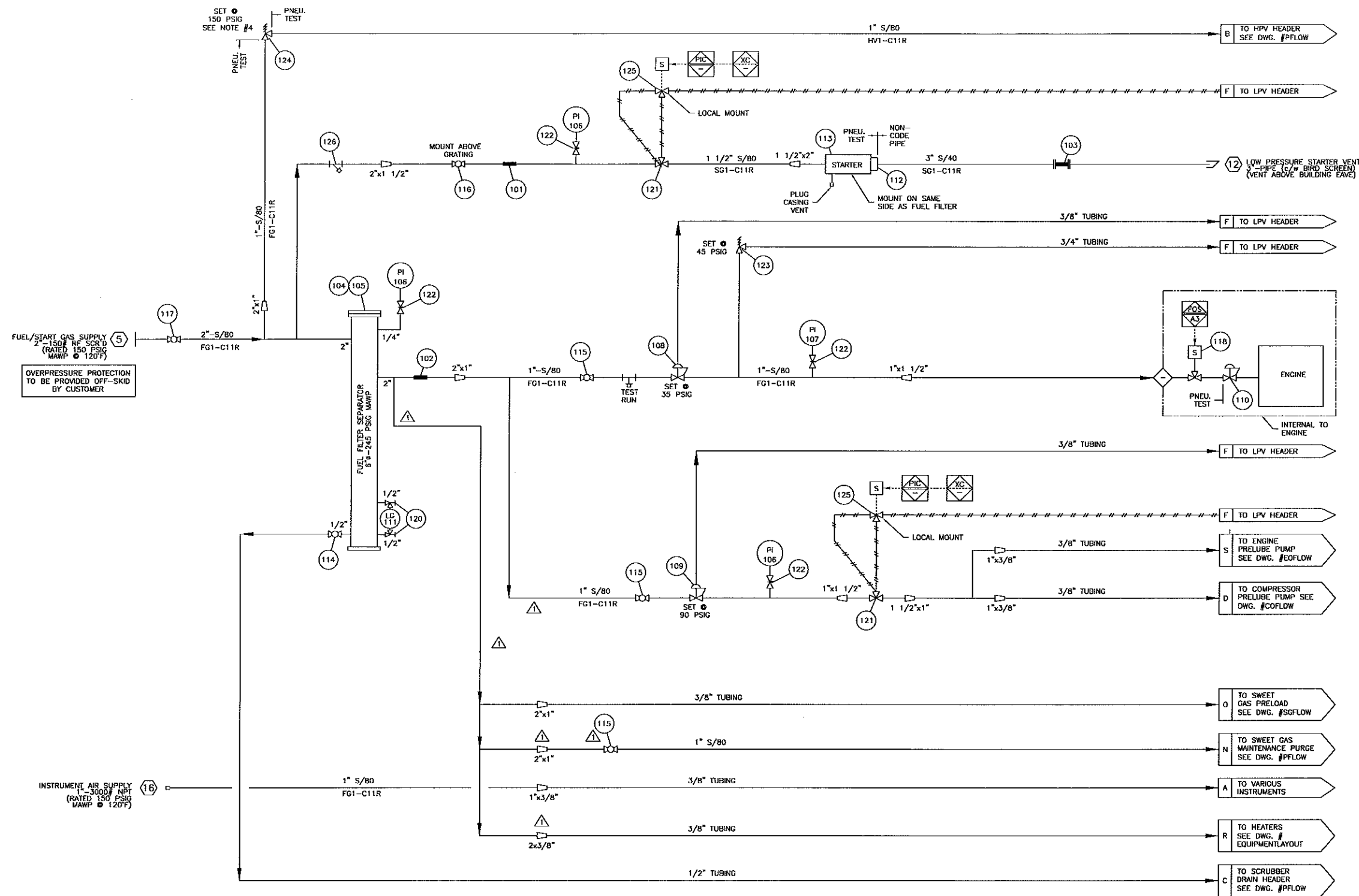




MATERIAL SPECIFICATIONS:										PROCESS FLOW DIAGRAM																																							
PROCESS PIPING: 100% X-RAY, 1/8" CORROSION ALLOWANCE, PICKLE & OIL AND PWHT AFTER HYDROTEST					SOUR: TUBING SERVICES					TUBING					FITTINGS					NOTE #1: SPACER PLATES ARE PROVIDED FOR FUTURE INSTALLATION OF ORIFICE PLATES (IF REQUIRED).																													
VESSELS: 100% X-RAY, 1/8" CORROSION ALLOWANCE, PICKLE AND OIL AND PWHT AFTER HYDROTEST, U.T. ALL CAT. 'D' WELDS.					PROCESS					316 (SS)					316 (S)					NOTE #2: -																													
					UTILITY -CONTACTING PROCESS					316 (SS)					316 (S)																																		
					INSTRUMENT					304 (SS)					ZINC PLATED (S)																																		
OIL: SHELL MYSILLA LA30 IN ENGINE & COMPRESSOR FRAME.					FRAME INTERNALS					316 (SS)					316 (SS)					NOTE #3: VESSELS REGISTERED IN AB & BC.																													
GLYCOL: 50% ETHYLENE INHIBITED GLYCOL/WATER SOLUTION IN ENGINE & AUXILIARY JACKET WATER SYSTEMS.																				NOTE #4: BOLTING ON ALL PROCESS FLANGE CONNECTIONS IS: SA-193-B7M STUDS, SA-194-2HM NUTS & 316SS GASKETS.																													
BILL OF MATERIALS: ON SEPARATE SHEET PROVIDED WITH DRAWING.																				NOTE #5: -																													
																				NOTE #6: -																													
REV.										DESCRIPTION										DATE										BY																			
1										AS BUILT										10/08/08										TT																			
0										ISSUED FOR CONSTRUCTION										07/10/08										TT																			
DRAWN BY: LK										DATE: 09/26/07										CHECK BY: DATE:										SCALE: N.T.S.										REV. NO: 31774									
SHEET NO: 1 OF 1										REV: 1										SHEET NO: 1 OF 1										REV: 1																			

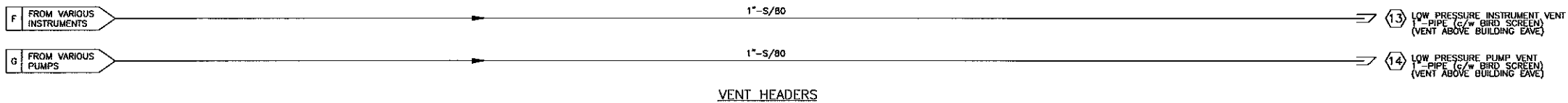


START GAS	
INLET PRESSURE	SCFM
30 PSIG	620
60 PSIG	1070

FUEL GAS	
MAX. PRESS. • SKID EDGE = 130 PSIG	
MAX. PRESS. • ENGINE = 45 PSIG	
FUEL CONSUMPTION • 100% LOAD = 7308 BTU / bhp-hr.	
FUEL CONSUMPTION FOR FUEL WITH LHV = 305 BTU / cu.ft. • 100% LOAD = 146 SCFM	

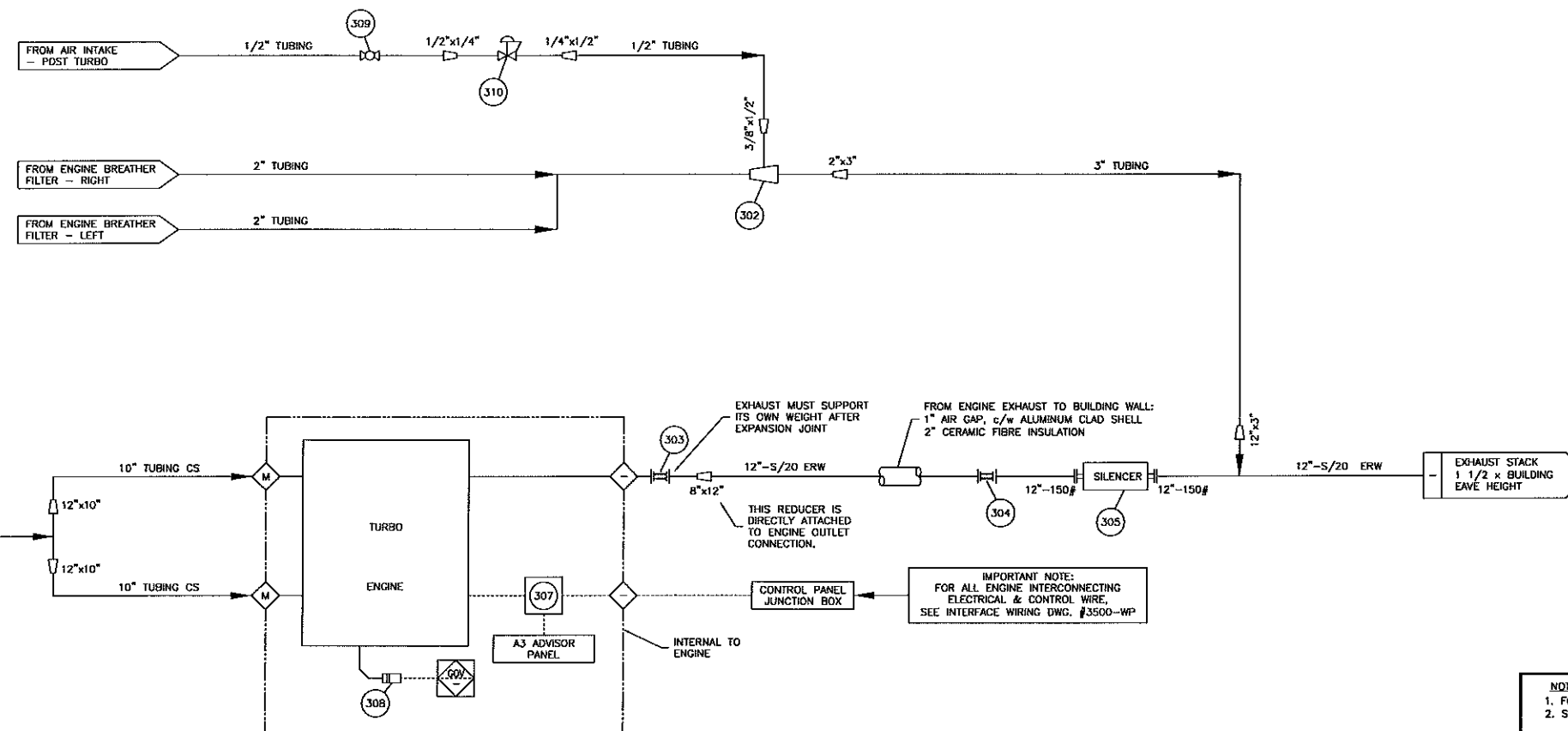
- NOTES:
1. FOR ALL OTHER NOTES & GENERAL INFORMATION SEE DWG. #PFLOW.
 2. SIGNAL TUBING IS 1/4".
 3. A3 = ADEM III INSTRUMENTATION.
 4. PSV IS SIZED FOR THERMAL PROTECTION OF FUEL FILTER ONLY.

SERVICE:	TUBING	FITTINGS
SWEET:	☐ PROCESS	304 (SS) ZINC PLATED (S)
	☐ UTILITY (CONTACTING PROCESS)	304 (SS) ZINC PLATED (S)
	☐ INSTRUMENT	304 (SS) ZINC PLATED (S)
	☐ FRAME INTERNALS	316 (SS) 316 (SS)
SOUR:	☒ PROCESS	316 (SS) 316 (SS)
	☒ UTILITY (CONTACTING PROCESS)	316 (SS) 316 (SS)
	☒ INSTRUMENT	304 (SS) ZINC PLATED (S)
	☒ FRAME INTERNALS	316 (SS) 316 (SS)



TOROMONT ENERGY SYSTEMS INC.
ISSUED FOR
REFERENCE
Oct 09, 2008
PER ttocher

TOROMONT ENERGY SYSTEMS				FUEL FLOW DIAGRAM	
1	AS BUILT	10/08/08	TT	CATERPILLAR G3516TAW-LE ADEM III	NORTHPOINT ENERGY LTD. LSD: 202/C-014-H/094-B-08/00
0	ISSUED FOR CONSTRUCTION	07/10/08	TT		
REV.	DESCRIPTION	DATE	BY	31774-FFLOW	SHEET No: 1 OF 1

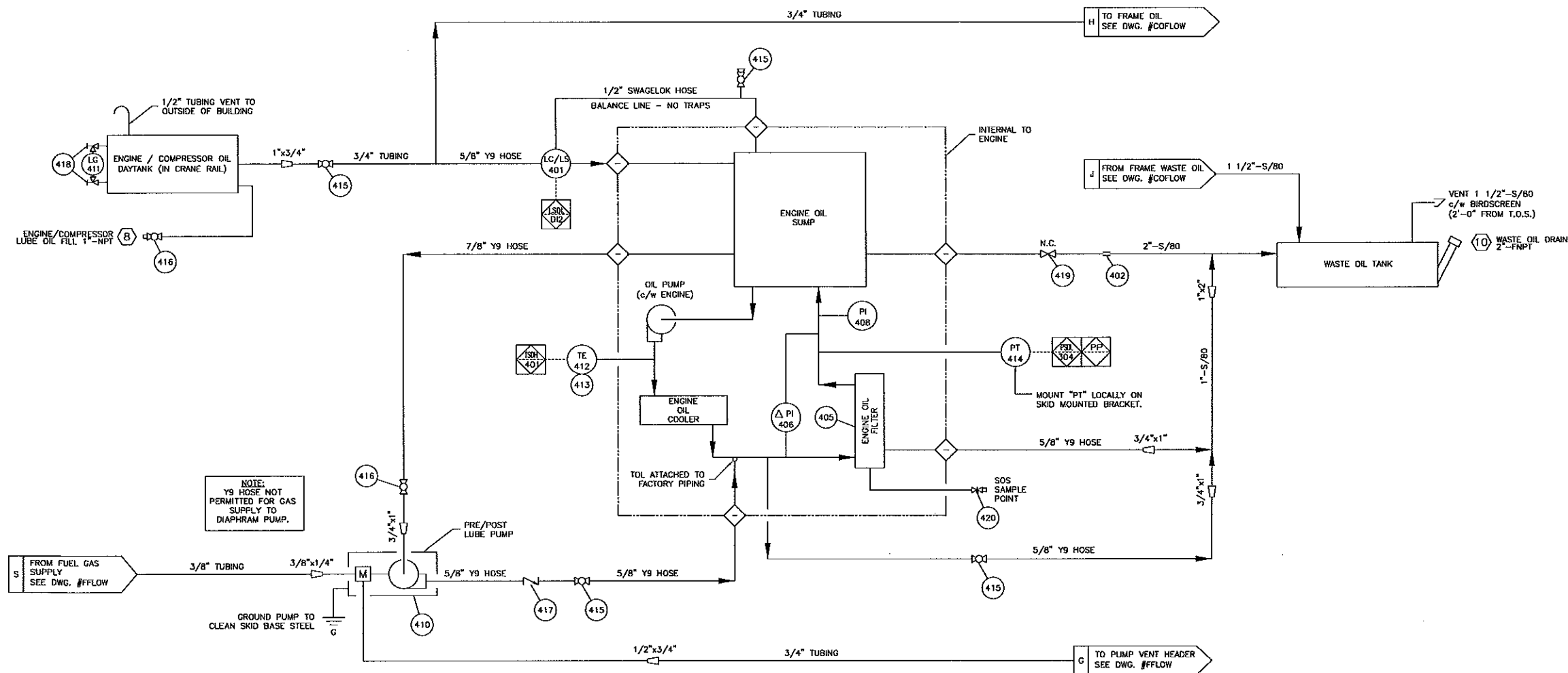


TORONTO ENERGY SYSTEMS INC
 ISSUED FOR
 REFERENCE
 Oct 09, 2008
 PER ttocher

NOTES:
1. FOR ALL OTHER NOTES & GENERAL INFORMATION SEE DWG. #PFLOW.
2. SIGNAL TUBING IS 1/4".

SERVICE:		INJURY	FITTINGS
SWEET:	☐ PROCESS	304 (SS)	ZINC PLATED (SS)
	☐ UTILITY (CONTACTING PROCESS)	304 (SS)	ZINC PLATED (SS)
	☐ INSTRUMENT	304 (SS)	ZINC PLATED (SS)
	☐ FRAME INTERNALS	316 (SS)	316 (SS)
SOUR:	☒ PROCESS	316 (SS)	316 (SS)
	☒ UTILITY (CONTACTING PROCESS)	316 (SS)	316 (SS)
	☒ INSTRUMENT	316 (SS)	ZINC PLATED (SS)
	☒ FRAME INTERNALS	316 (SS)	316 (SS)

[illegible]



NOTE:
Y9 HOSE NOT
PERMITTED FOR GAS
SUPPLY TO
DIAPHRAM PUMP.

ENGINE LUBE OIL SYSTEM

TOROMONT ENERGY SYSTEMS INC.
ISSUED FOR
REFERENCE
Nov 13, 2008
PER ttcoher

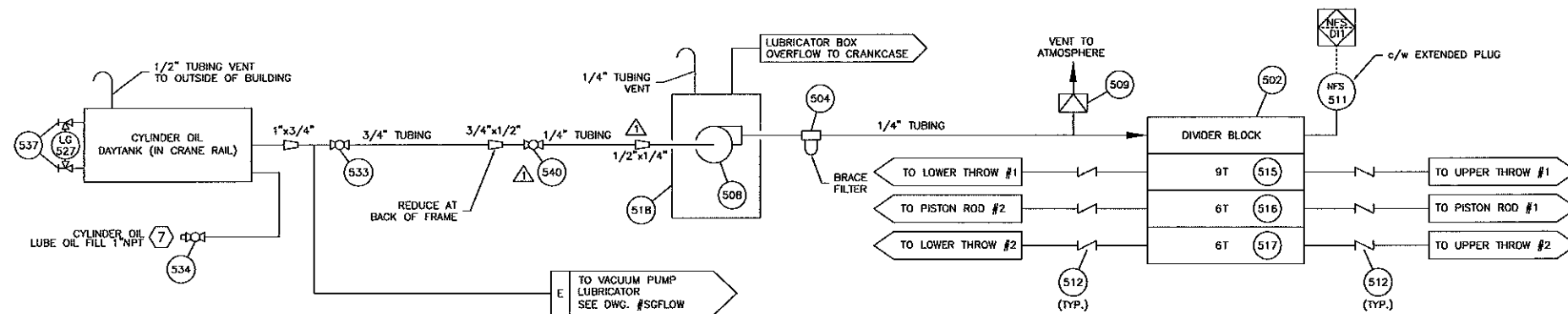
NOTES:			
1. FOR ALL OTHER NOTES & GENERAL INFORMATION SEE DWG. #PFLOW.			
2. -			
SERVICE:		TUBING	
SWEET:	☐ PROCESS	304 (SS)	ZINC PLATED (S)
	☐ UTILITY (CONTACTING PROCESS)	304 (SS)	ZINC PLATED (S)
	☐ INSTRUMENT	304 (SS)	ZINC PLATED (S)
SOUR:	☐ FRAME INTERNALS	316 (SS)	316 (SS)
	☒ PROCESS	316 (SS)	316 (SS)
	☒ UTILITY (CONTACTING PROCESS)	316 (SS)	316 (SS)
		304 (SS)	ZINC PLATED (S)
		316 (SS)	316 (SS)

TOROMONT ENERGY SYSTEMS				ENGINE OIL FLOW DIAGRAM			
DRAWN BY: LK		DATE: 09/26/07		MAJOR EQUIPMENT:		FOR:	
CHECKED BY:		DATE:		CATERPILLAR G3516TAW-LE ADEM III		NORTHPOINT ENERGY LTD.	
SCALE: N.T.S.		W.D. No: 31774				LSD: 202/C-014-H/094-B-08/00	
REV. 1 AS BUILT		DATE: 10/09/08		BY: TT		DWG. No. 31774-EDFLOW	
REV. 0 ISSUED FOR CONSTRUCTION		DATE: 07/10/08		BY: TT		SHEET No: 1 OF 1	
DESCRIPTION		DATE		BY		REV: 1	

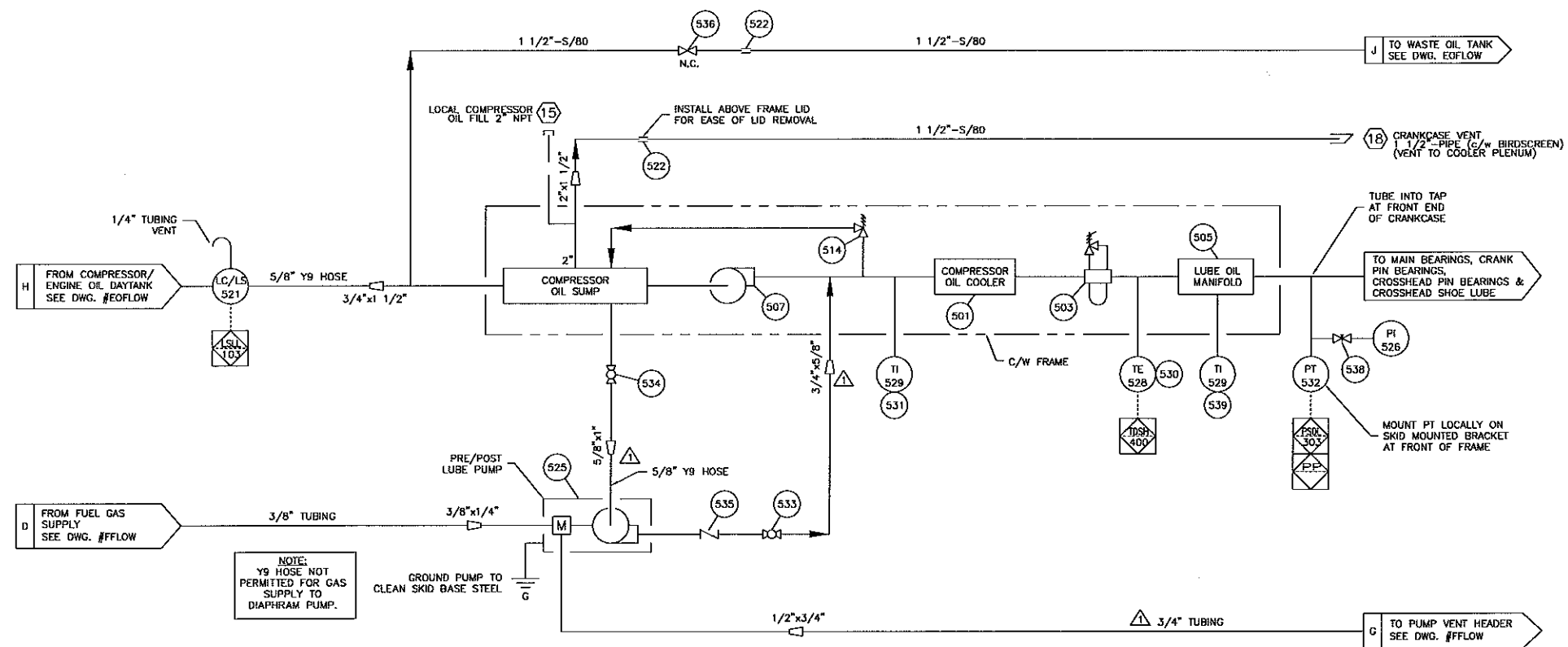
DESIGN CYCLE TIME IS 15.958 SECONDS.
DESIGN OIL FLOW RATE IS 7.875 US PINTS/DAY

THROW #1 12.0"φ
THROW #2 7.5"φ

CYLINDER SIZES



CYLINDER LUBE OIL SUPPLY



COMPRESSOR FRAME LUBE OIL CIRCULATING SYSTEM

NOTES:
1. FOR ALL OTHER NOTES & GENERAL INFORMATION SEE DWG. #PFLOW.
2. -

SERVICE:	TUBING	FITTINGS
SWEET:	304 (SS)	ZINC PLATED (S)
PROCESS	304 (SS)	ZINC PLATED (S)
UTILITY (CONTACTING PROCESS)	304 (SS)	ZINC PLATED (S)
INSTRUMENT	316 (SS)	316 (SS)
FRAME INTERNALS	316 (SS)	316 (SS)
SOUR:	316 (SS)	316 (SS)
PROCESS	316 (SS)	316 (SS)
UTILITY (CONTACTING PROCESS)	304 (SS)	ZINC PLATED (S)
INSTRUMENT	304 (SS)	ZINC PLATED (S)
FRAME INTERNALS	316 (SS)	316 (SS)

TOROMONT ENERGY SYSTEMS INC.
ISSUED FOR
REFERENCE
Oct 09, 2008
PER Klocher

REV.	DESCRIPTION	DATE	BY
1	AS BUILT	10/09/08	TT
0	ISSUED FOR CONSTRUCTION	07/10/08	TT
1	AS BUILT	10/09/08	TT
0	ISSUED FOR CONSTRUCTION	07/10/08	TT

TITLE:	
CYLINDER OIL FLOW DIAGRAM	
MAJOR EQUIPMENT:	FOR:
GEMINI ES602-2	NORTHPOINT ENERGY LTD. LSD: 202/C-014-H/094-B-08/00
31774-COFLOW	1 OF 1

DESIGN NOTES

- GENERAL NOTES

■ SUBNOTES WHICH ARE APPLICABLE WHEN SHADED.

☐ SELF FRAMING-SHED ☒ SELF FRAMING-GABLE ☐ RIGID FRAMING-GABLE

☒ GALVANIZED ☐ ALUMINUM ☐ PRE-PAINTED STEEL

WALLS _____ SPEC. NO. _____ ROOF _____ SPEC. NO. _____
DOORS _____ SPEC. NO. _____ TRIM _____ SPEC. NO. _____

☐ SIZE _____
☐ COLOR _____
☐ QTY. _____

□ 2:12 □ 3:12 ■ 4:12

☒ WALLS ☒ R-12 ☐ 3 LB/CU.FT. DENSITY SOUND ☐ R-20
☒ ROOF ☒ R-12 ☐ 3 LB/CU.FT. DENSITY SOUND ☐ R-20

- ☐ 3"x7" SINGLE ☐ WS ☐ WGW ☐ PH ☐ LS ☐ DC ☐ SF ☐ CC ☐ CP
 2x ☒ 6"x7" DOUBLE ☒ WS ☒ WGW ☒ PH ☒ LS ☒ DC ☒ SF ☒ CC ☒ CP ☐ WGWBD
 WS - WEATHER STRIPPING LS - LOCKSET CC - CHECKCHAIN
 WGW - WIRE GLAZED WINDOW DC - DOOR CLOSURE CP - CANOPY
 PH - PANIC HARDWARE SF - STEEL FRAME
 WGWBD - WIRE GLAZED WINDOW IN BOTH DOORS

■ QTY 3 40x40 □ QTY - 40x50 □ QTY - WIRE GLAZED

☒ 24 GA. FLUTED ALUMINUM ☐ 22 GA. PERFORATED ALUMINUM
☐ 24 GA. FLUTED ALUMINUM - WHITE

☒ ON SITE BY BLDG. MANUFACTURER ☐ AT FAB. SHOP BY BLDG. MANUFACTURER

☐ _____ STAMPED LOUVRE c/w SLIDE CLOSURE AND SCREEN
☒ 2 - 18"X32" ADJUSTABLE LOUVRE c/w MANUAL CONTROL AND SCREEN

☒ RIDGE VENTILATOR c/w MANUAL CONTROLS & BIRDSCREEN
☐ ACOUSTIC TYPE RIDGE VENTILATOR c/w MANUAL CONTROLS & BIRDSCREEN
☒ LENGTH FULL

☐ _____	STEEL ROLL-UP DOOR	☐ DIRECT DRIVE CHAIN HOIST
☐ _____	STEEL HINGED ACCESS DOOR	☐ GEARED CHAIN HOIST
☐ _____	STEEL BOLTED ACCESS DOOR	☐ MANUAL OPER. CHAIN HOIST
		☐ INSULATED

☐ _____ ROOF
☒ 1 _____ WALL

ELECTRIC DRIVEN FAN CAPABLE OF PROVIDING A MIN. OF 12 AIR CHANGES/HOUR AT 1/8" SP c/w BACK DRAFT DAMPERS. ALUM. HOUSING AND BIRDSCREEN. MOTOR TO BE CSA APPROVED. EXPLOSION PROOF (CLASS 1, GROUP D, DIVISION 1). EXTERNALLY MOUNTED.

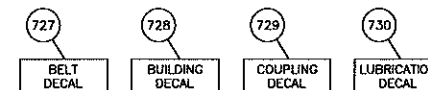
☒ 120/240 V - 1 PHASE
☒ 240/480 V - 3 PHASE

☐ PENN DOMEX
☒ STD. PROPELLER
☐ SOUND ATTENUATOR

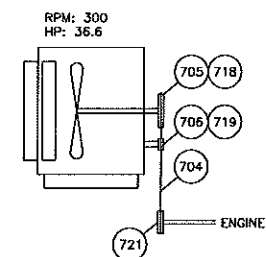
☐ 2 MIL. ☒ 4 MIL. ☐ 6 MIL.

■ EAVESTROUGHS ■ DOWNSPOUTS ■ ICE RAKES

■ LENGTH 24'
 ■ WIDTH 23'-6"
 ■ EAVE HEIGHT 14'



UNIT DECALS



SHEAVES/BELTS & SHAFTS

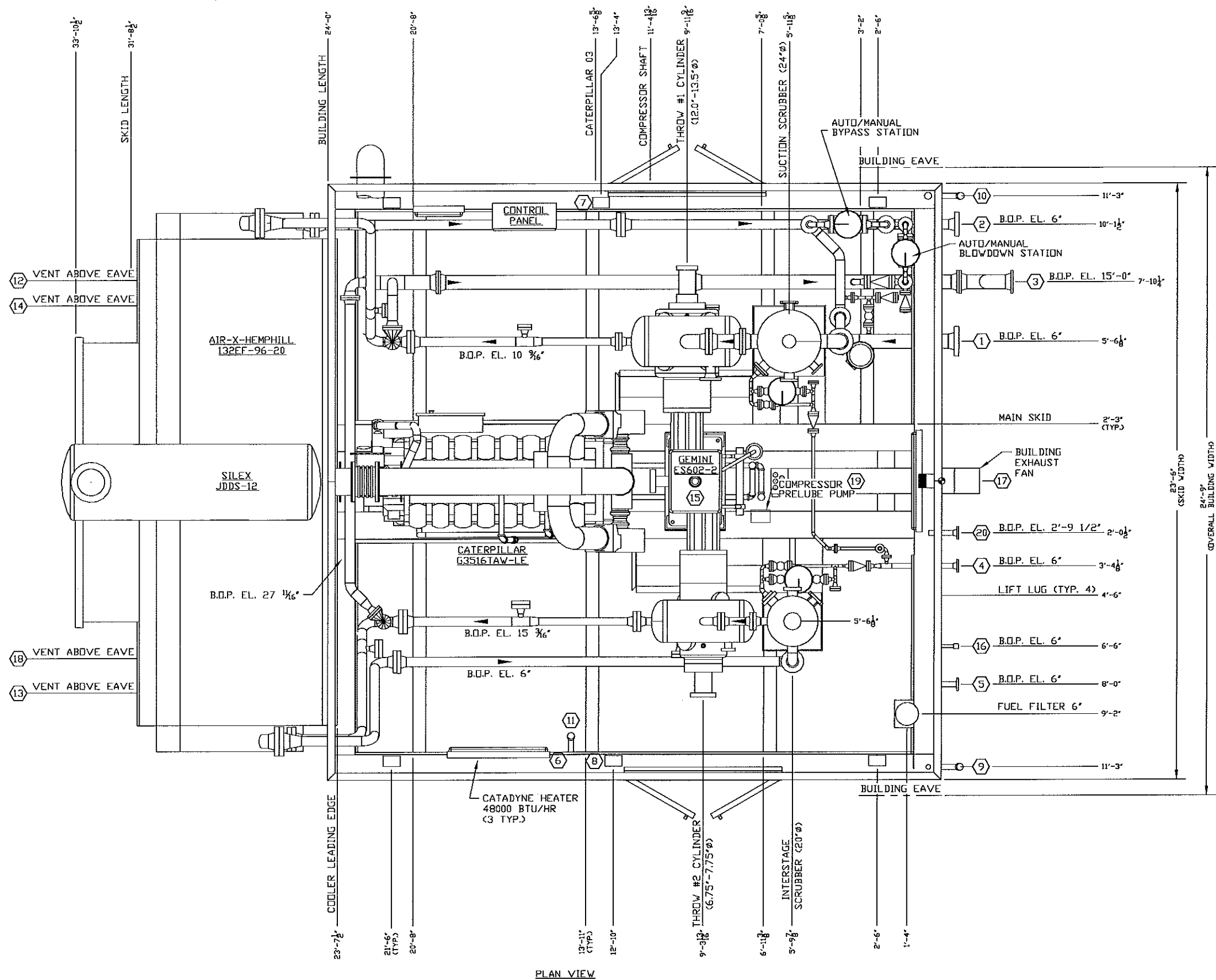
TOROMONT ENERGY SYSTEMS INC.
ISSUED FOR
REFERENCE
Nov 13, 2008
PER ttocher

NOTES:

1. FOR ALL OTHER NOTES & GENERAL INFORMATION SEE DWG. #PFLOW.
2. MANIFOLD BEARING GREASE LINES TO A SINGLE LOCATION.

SERVICE:		TURNING	FITTINGS
SWEET:	☐ PROCESS	304 (SS)	ZINC PLATED (S)
	☐ UTILITY (CONTACTING PROCESS)	304 (SS)	ZINC PLATED (S)
	☐ INSTRUMENT	304 (SS)	ZINC PLATED (S)
	☐ FRAME INTERVALS	316 (SS)	316 (SS)
SOUR:	☒ PROCESS	316 (SS)	316 (SS)
	☒ UTILITY (CONTACTING PROCESS)	316 (SS)	316 (SS)
	☒ INSTRUMENT	304 (SS)	ZINC PLATED (S)
	☒ FRAME INTERVALS	316 (SS)	316 (SS)

[illegible]



NOZZLE SCHEDULE				
MARK	SERVICE	SIZE	RATING	TYPE
1	INITIAL SUCTION	6"	600#	RFWN
2	FINAL DISCHARGE	4"	900#	RFWN
3	HIGH PRESSURE VENT HEADER	6"	150#	RFWN
4	SCRUBBER DRAIN HEADER	2"	150#	RFWN
5	FUEL/START GAS SUPPLY	2"	150#	RFWN
6	GLYCOL FILL	3/4"	-	HOSE
7	CYLINDER OIL DAYTANK FILL	1"	3000#	FNPT
8	ENGINE/COMPR. OIL DAYTANK FILL	1"	3000#	FNPT
9	GLYCOL TANK DRAIN	2"	3000#	MNPT
10	WASTE OIL TANK DRAIN	2"	3000#	MNPT
11	GLYCOL STAND PIPE	2"	3000#	MNPT
12	START GAS VENT	3"	-	PIPE
13	LOW PRESSURE VENT HEADER	1"	-	PIPE
14	LOW PRESSURE PUMP VENT HEADER	1"	-	PIPE
15	LOCAL COMPRESSOR FILL	2"	3000#	MNPT
16	INSTRUMENT AIR SUPPLY	1"	3000#	MNPT
17	SEALPOT DRAIN	1 1/2"	3000#	FNPT
18	CRANK CASE VENT	1 1/2"	-	PIPE
19	SEALPOT FILL	2"	3000#	MNPT
20	LOW PRESSURE SOUR GAS VENT	2"	3000#	RFWN

GENERAL SPECIFICATIONS	
OVERALL PACKAGE LENGTH	35'-1 1/2"
OVERALL PACKAGE WIDTH (c/w BLDG.)	24'-9"
OVERALL PACKAGE HEIGHT (NO STACK)	20'-5 13/16"
OVERALL PACKAGE WEIGHT (LBS)	154810
GLYCOL STORAGE CAPACITY (US GAL)	328
WASTE OIL STORAGE CAPACITY (US GAL)	328
SOUR WASTE OIL STORAGE CAPACITY (US GAL)	N/A
LUBE OIL DAYTANKS (GAL/EACH)	102
BRIDGE CRANE RATING	3 TON
SEAL PAN	☒ FLAT ☐ NONE ☐ SLOPED
LOADING METHOD	☐ LIVE ROLL ☐ CRANE ☒ JACK & ROLL
NOTES:	
1. ALL (Z) DIMENSIONS TAKEN FROM BOTTOM OF SKID.	
2. ALL OTHER NOTES FOUND ON DWG. #PFLOW.	
3. ALL SKID EDGE CONNECTIONS ±1/8" TOLERANCE.	
4. ALL TAIL DIMENSIONS FROM REFERENCE POINT.	

TOROMONT ENERGY SYSTEMS INC.
ISSUED FOR
CONSTRUCTION
Oct 14, 2008
PER tocher

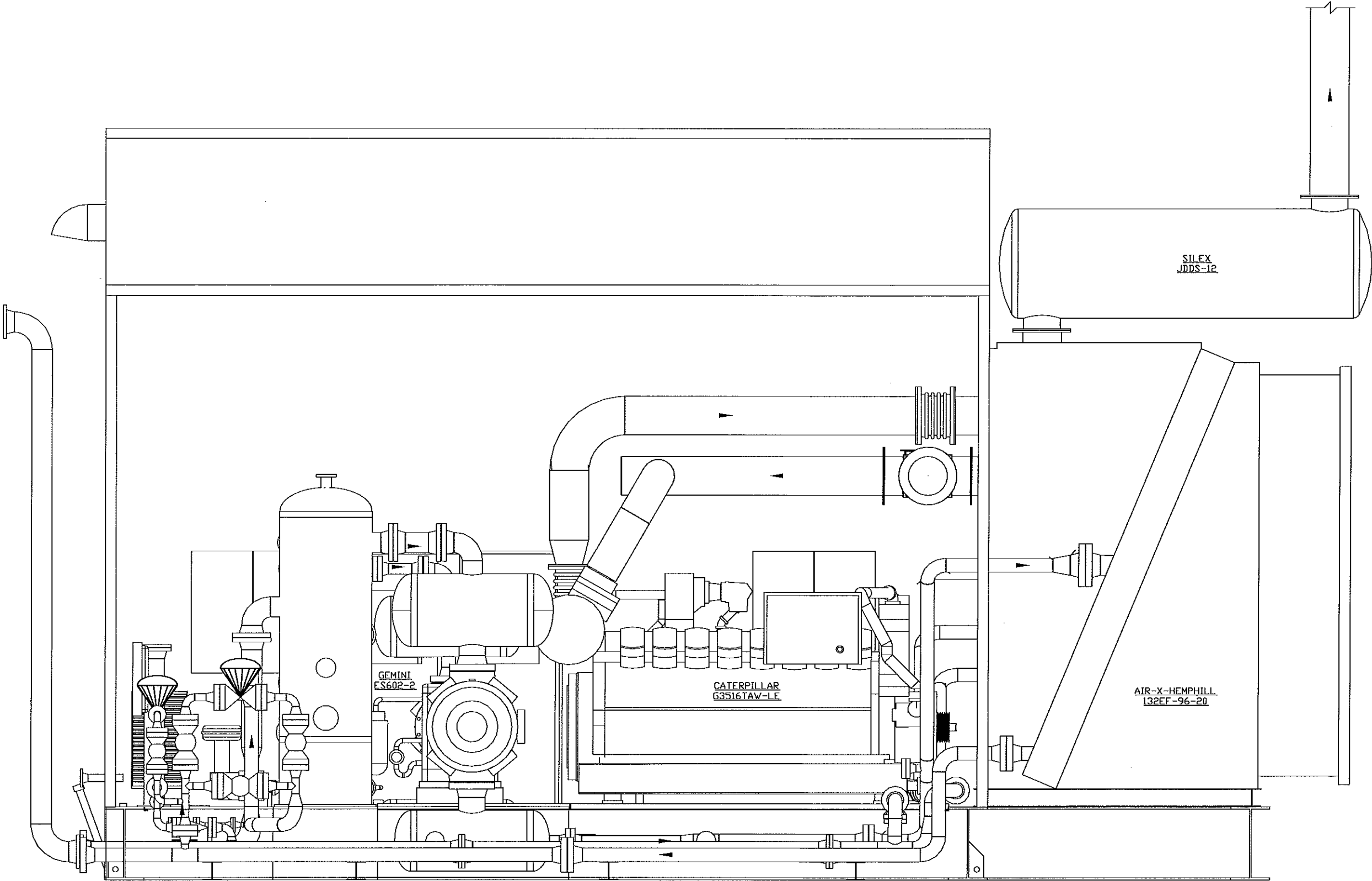
REV.	DESCRIPTION	DATE	BY	APPR.	DATE
2	AS BUILT	10/14/08	TT		
1	ISSUED FOR CONSTRUCTION	07/21/08	TT		
0	ISSUED FOR APPROVAL	07/17/08	TT		

ENGINEER STAMP



DRAWN BY: LK	DATE: 09/20/07
CHKD BY:	SCALE: 1/2"=1'-0"
APPR BY:	VIL No: 31774
CUST. PO No:	STEP No: N/A

GENERAL ARRANGMENT	
MAJOR EQUIPMENT:	FOR:
CATERPILLAR G3516TAW-LE GEMINI ES602-2 AIR-X-HEMPHILL 132EF-98-20	NORTHPOINT ENERGY LTD. LSD: 202/C-014-H/094-B-08/00
FIG No: 31774-GA	SHEET No: 1 OF 1 REV: 2



RIGHTSIDE ELEVATION
(RIGHT TANK, WALL, PANEL & HEATER
HAVE BEEN REMOVED FOR CLARITY)

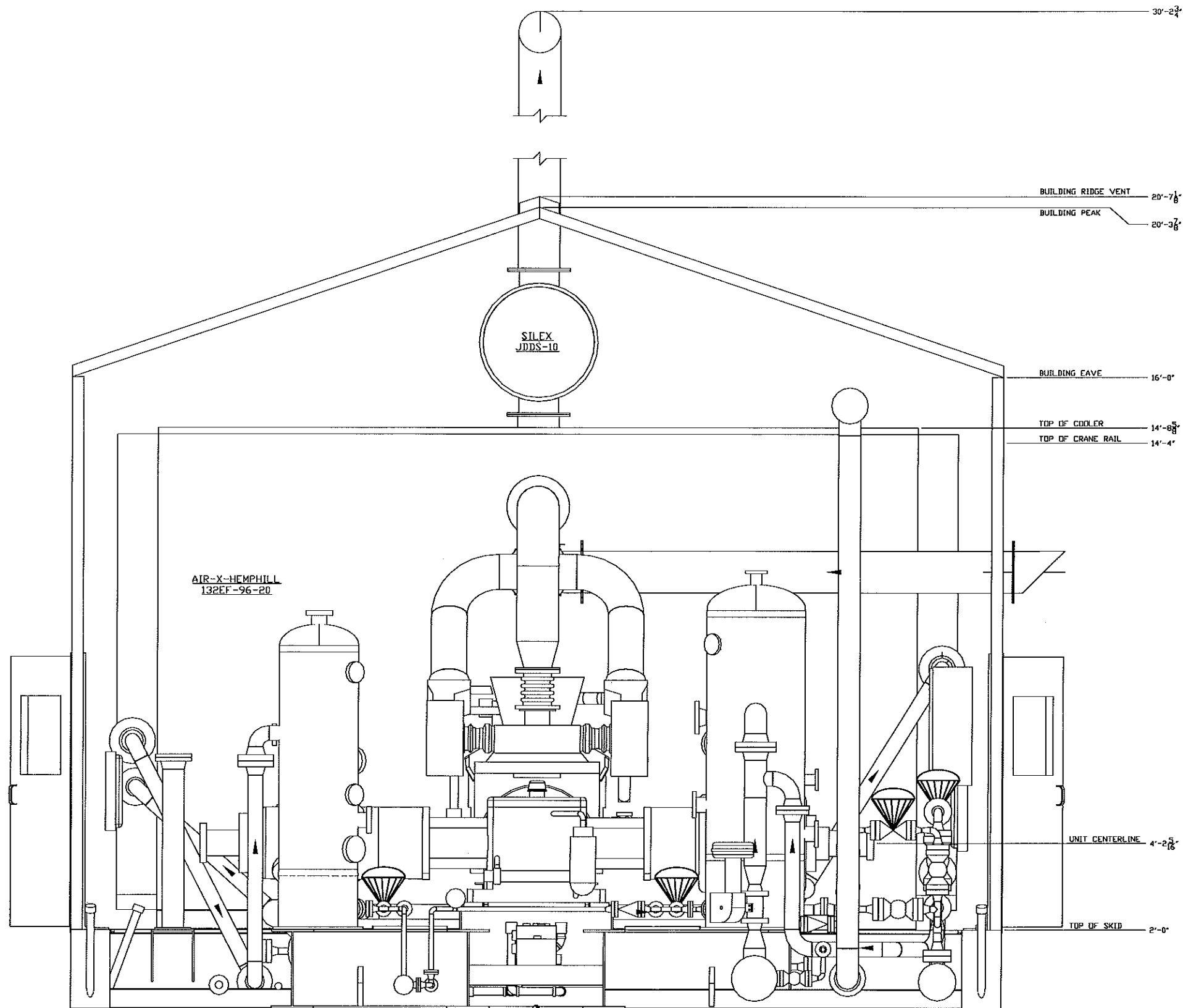
REV.	DESCRIPTION	DATE	BY	APPR.	DATE
1	AS BUILT	10/14/08	TT		
0	ISSUED FOR CONSTRUCTION	06/26/08	TT		

ENGINEER STAMP

TOROMONT	DESIGN
DRAWN BY: GPAHL	DATE: 10/06/06
CHECK BY:	SCALE: 3/4"=1'-0"
APPR. BY:	31774
CUST. PO No:	STEP No: N/A

MAJOR EQUIPMENT:
CATERPILLAR G3516TAW-LE
GEMINI ES602-2
AIR-X-HEMPHILL
132EF-98-20

FOR	NORTHPOINT ENERGY LTD.
	LSD: 202/C-014-H/094-B-08/00
DWG. No:	31774-RIGHTELEVATION
SHEET No:	1 OF 1
REV:	0



ENDVIEW
(FRONT BEAM, WALL & HEATER
HAVE BEEN REMOVED FOR CLARITY)

REV.	DESCRIPTION	DATE	BY	APPR.	DATE
1	AS BUILT	10/14/08	TT		
0	ISSUED FOR CONSTRUCTION	07/17/08	TT		

ENGINEER STAMP

TOROMONT	
DRAWN BY: CPAHL	DATE: 10/06/06
SCALE: 3/4"=1'-0"	
APP. BY: 31774	
CUST. PO No: -	STEP No: N/A

TITLE

MAJOR EQUIPMENT:
CATERPILLAR G3516TAW-LE
GEMINI ES602-2
AIR-X-HEMPHILL
132EF-98-20

ENDVIEW

FOR:
NORTHPOINT ENERGY LTD.
LSD: 202/C-014-H/094-B-08/00

DWG. No: 31774-ENDVIEW

SHEET No: 1 OF 1
REV: 1