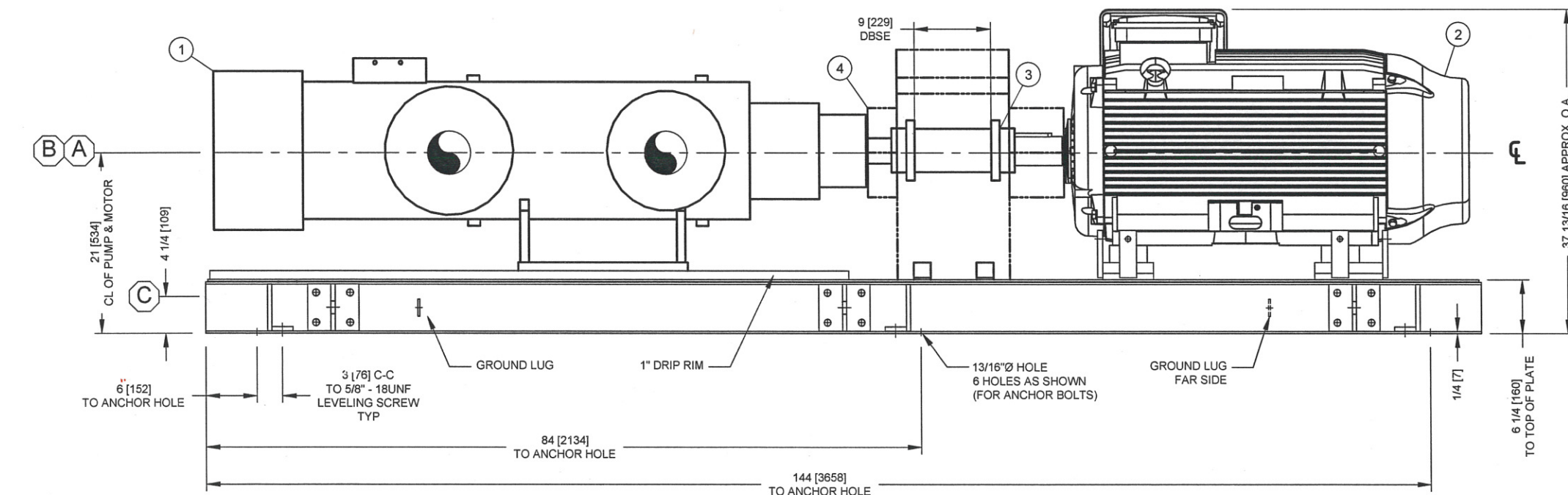
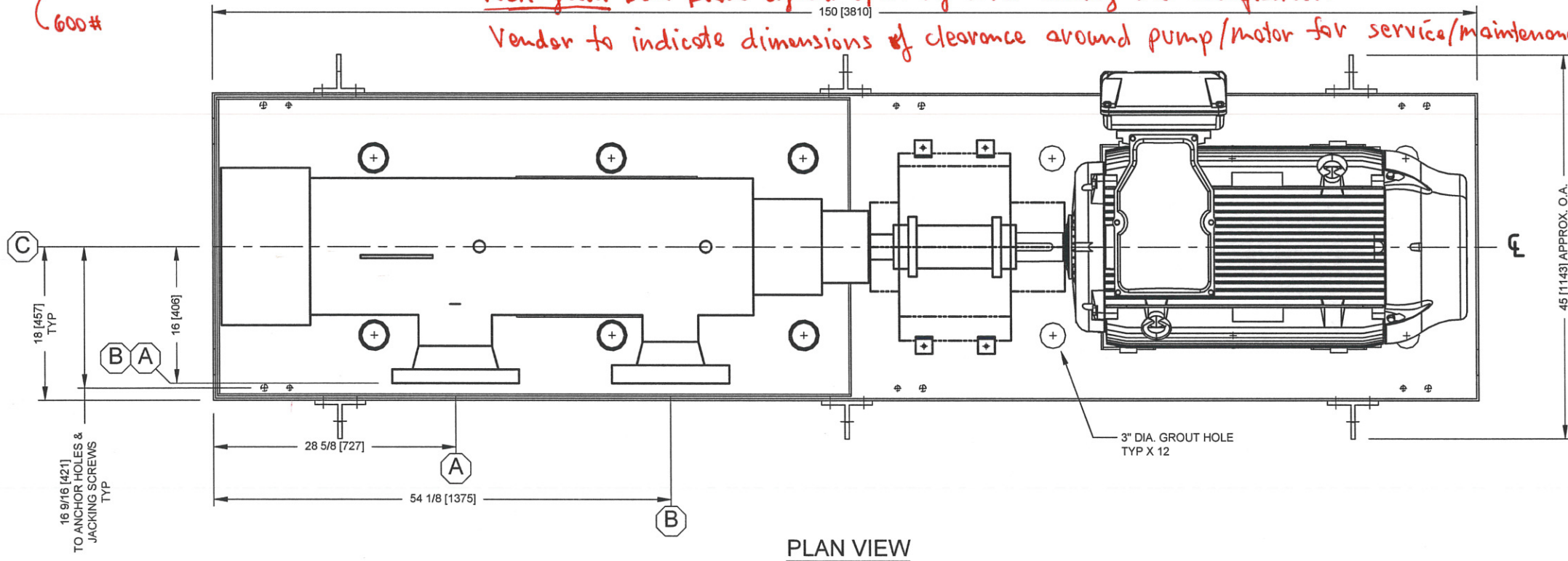


SCHEDULE OF OPENINGS		
CONN	SIZE/RATING	DESCRIPTION
A	8" 300# RF	PUMP SUCTION
B	6" 300# RF	PUMP DISCHARGE
C	1" NPT	SKID DRAIN

Pump/motor assembly to be installed on a structural skid by others. (not on cement pad)  
 Vendor to review base plate for suitability.  
 Non-grout base plate agreed upon by NPE during bid clarification  
 Vendor to indicate dimensions of clearance around pump/motor for service/maintenance.



BILL OF MATERIAL		
ITEM	QTY	DESCRIPTION
1	1	LEISTRITZ POSITIVE DISPLACEMENT SCREW PUMP # L3HE - 125/250 AFOKO-5 8D C/W BLANCE CUPS, 8B1 MECHANICAL SEAL
2	1	WEG 250HP, 1200RPM, 3/60/460 VOLT, IEEE 841 CL 1 DIV 2 447/9T FRAME ELECTRIC MOTOR
3	1	METASTREAM, TSCS-0230 COUPLING 9"00 DBSE PUMP BORED TO 2-15/16" MOTOR BORED TO 3-3/8"
4	1	REXNORD COUPLING GUARD CCG-050

APPLICATION REQUIREMENTS			
DISCHARGE PRESSURE	INLET PRESSURE	CAPACITY	DUTY CYCLE
4542.7 KPA	582.3 - 842.8 KPA	116.8 M <sup>3</sup>	-

FLUID PROPERTIES				
NAME	TEMPERATURE	VISCOSITY	ABRASIVE POTENTIAL	SG
SALES OIL	60°C	199.5	Sediment (traces)	0.935

PUMP SPECIFICATIONS				
MODEL	INLET CONNECTION	DISCHARGE CONNECTION	RATED PRESSURE	PUMP SPEED
LEISTRITZ L3HE-125	8" 300# RF	6" 600# RF	-	1200 RPM

OVERALL DIMENSIONS		APPROXIMATE WEIGHTS		
PACKAGE (L X W X H)	PUMP WT	MOTOR WT	SKID & MISC WT	TOTAL PACKAGE WT
150" X 45" X 38"	TBA	2538 LBS	TBA	TBA

PAINT SPECS		
GENERAL PAINT SPEC		
ONE COAT SHOP PRIMER ONE COAT MACHINE ENAMEL, COLOR NPE BLUE		

PROJECT COORDINATION DETAIL		
CUSTOMER BUYER	PHONE NUMBER	EMAIL
-	-	-
CUSTOMER PROJECT MANAGER	PHONE NUMBER	EMAIL
-	-	-
NPE PROJECT MANAGER	PHONE NUMBER	EMAIL
DARREN O'GRADY	(403)724-4338	DARREN.O'GRADY@NATPRO.COM

Pump weights and total package weights required  
 Rated pressure required

NOTE:  
 - ANCHOR BOLTS TO BE SIZED AND PROVIDED BY OTHERS  
 - REMOVABLE BOLT ON LIFT LUGS WITH 2" Ø LIFTING EYE.  
 UNLESS OTHERWISE NOTED:  
 - ALL DIMENSIONS ARE IN INCHES (mm)  
 FOR CLARITY:  
 - SOME HIDDEN LINES MAY NOT BE SHOWN  
 - PIPING CONFIGURATION WITHIN NPE SCOPE OF SUPPLY MAY VARY, EXCEPT CUSTOMER PROCESS TIE IN POINTS

**National Process Equipment**  
**PUMPS & COMPRESSORS**  
 Vancouver - Calgary - Edmonton - Saskatoon - Winnipeg - Toronto - Montreal - Halifax

PROJECT NAME:	Brintnell - Conversion to Truck Unloading Station		
CUSTOMER:	CNRL		
LOCATION:	Brintnell LSD: 12-09-081-22W4M		
TAG:	P-661 A/B/C		
SLS#: 336589A	QUOTE: CGY2011 984	PO#: 201-01-35-003	
DWN BY: DHT	DATE: MAR 27/12	DWG #:	
CHK BY: LQ	DATE: MAR 29/12		336589A-200
APP BY: WRT	DATE: MAR 29/12	PAGE: 1 OF 1	SCALE: SCALED

EQUINOX ENGINEERING  
 DOCUMENT CONTROL

PO #: 201-01-35-0003  
 SEQ #: 0002  
 SUB #: 0001  
 DATE: March 30, 2012

- V1 - Correct & Resubmit  
Manufacturing may NOT proceed
- V2 - Correct & Resubmit  
Manufacturing MAY proceed
- V3 - Review Not Required  
Accepted for information purposes only
- V4 - Submit Final Documentation

V5 - Manufacturing May Proceed  
 No further submissions are required

SIGNATURE: *[Signature]*  
 DATE: April 10, 2012

ELEVATION VIEW

REV	DESCRIPTION	DWN	CHK	APP	DATE
0	ISSUED FOR RELEASE				MAR 29/12

GENERAL ARRANGEMENT