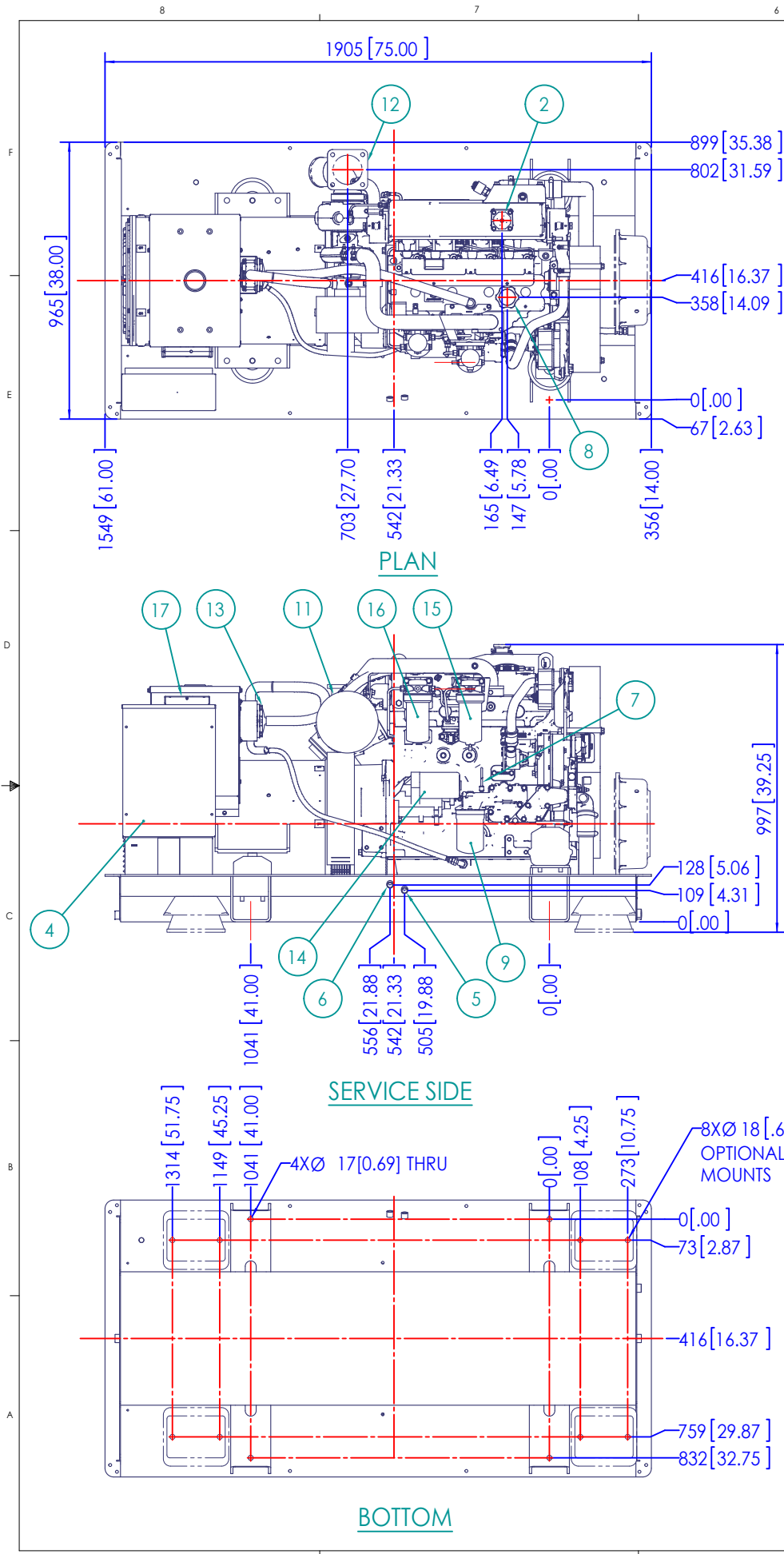
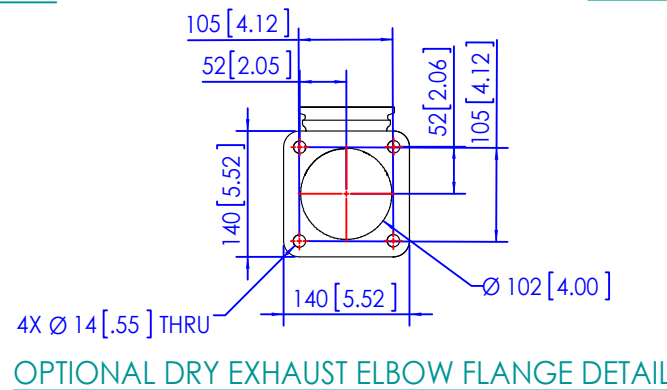
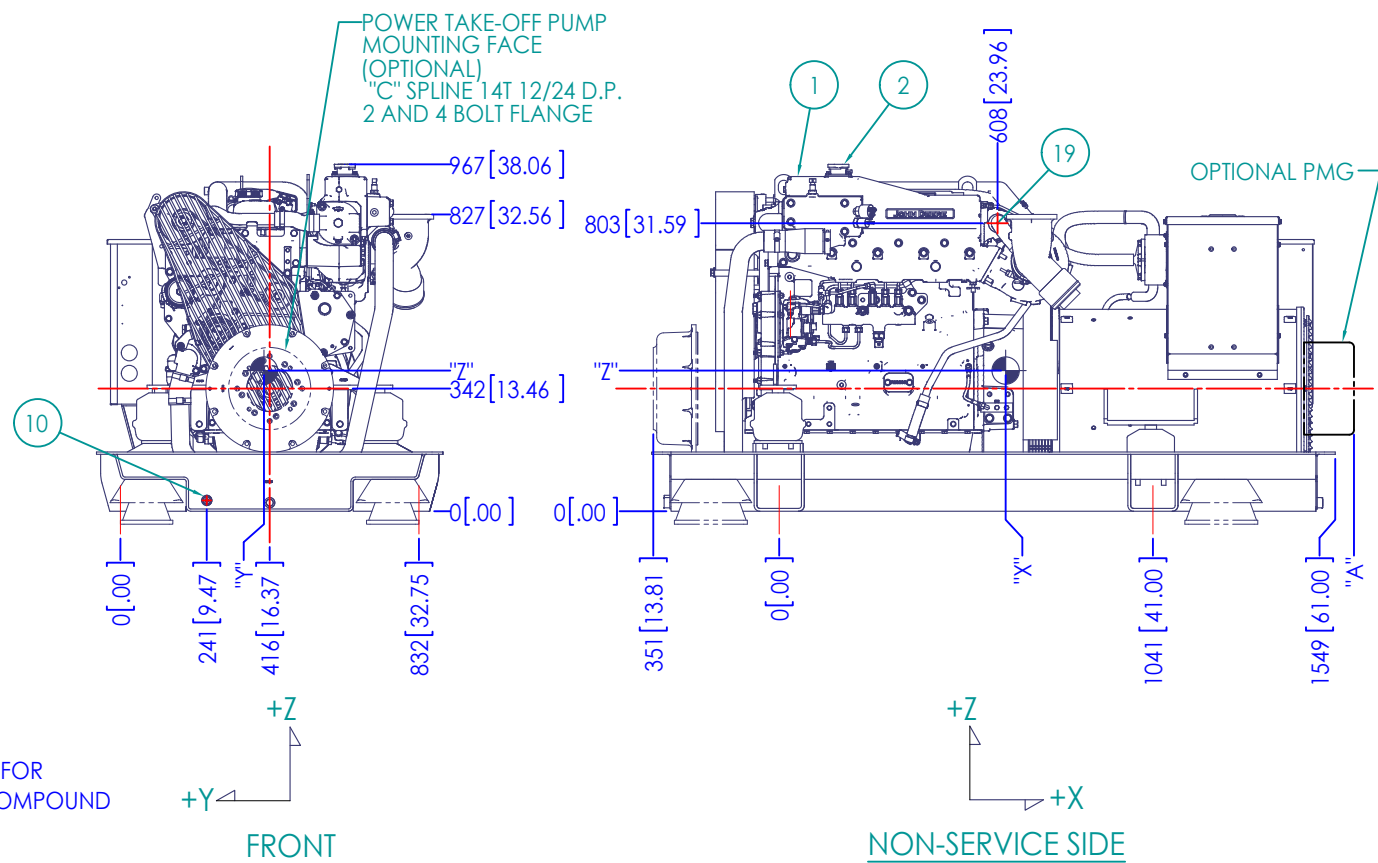




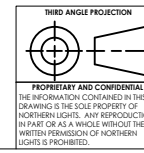
MODELS	EST. WEIGHT*	C.G.			W/PMG "A"
		"X"	"Y"	"Z"	
M65T13.11L 65kW 1800RPM 60Hz 3 Ø	2315 LBS [1050 kg]	594[23.39]	-416[16.37]	398[15.67]	1523[59.96]
M50T13.11L 50kW 1800RPM 60Hz 3 Ø	2460 LBS [1116 kg]	631[24.84]	-416[16.37]	392[15.43]	1602[63.06]
M65T13.31L 65kW 1800RPM 60Hz 1 Ø	2315 LBS [1050 kg]	594[23.39]	-416[16.37]	398[15.67]	1523[59.96]
M50T13.31L 50kW 1800RPM 60Hz 1 Ø	2460 LBS [1116 kg]	631[24.84]	-416[16.37]	392[15.43]	1602[63.06]
OPTIONAL PTO	154 LBS [70 kg]	-229[9.02]	-416[16.37]	342[13.46]	
OPTIONAL COMPOUND MOUNTS	70 LBS [32 kg]	521[20.51]	-416[16.37]	27[1.06]	

*WITH OIL, NO COOLANT



ITEM	DESCRIPTION
1	EXPANSION TANK
2	COOLANT FILL
3	OPTIONAL WET EXHAUST Ø 4 H.B.
4	D.C. JUNCTION BOX
5	FUEL INLET - 3/8 NPT
6	FUEL RETURN - 3/8 NPT
7	CRANKCASE OIL DIPSTICK
8	CRANKCASE OIL FILLER
9	CRANKCASE OIL FILTER
10	ENGINE OIL DRAIN - 1/2 NPT
11	AIR INLET FILTER
12	DRY EXHAUST ELBOW - SEE DETAIL
13	CLOSED CRANKCASE VENTILATION SYSTEM
14	ELECTRIC STARTER
15	PRIMARY FUEL FILTER
16	FINAL FUEL FILTER
17	ENGINE CONTROL UNIT
18	SEAWATER INLET - Ø 1-1/4 H.B.
19	SEAWATER OUTLET - Ø 1-1/2 H.B. (DRY EXHAUST)

THE DIMENSIONS ON THIS DRAWING ARE SUBJECT TO CHANGE. PLEASE CONTACT NLI TO BE SURE YOU HAVE THE MOST CURRENT REVISION.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES:
ANGULAR: MATCH 0.5° BEND ± 1.0°
X ± .2
X.X ± 1
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M
MATERIAL:
FINISH:
DO NOT SCALE

A		ADDED M55T13.51L TO APPLICATIONS TABLE		LTP	
REV		DESCRIPTION		BY	
		REVISIONS		CHECKED	
	NAME	DATE			4420 14th AVE. N.W. Seattle, WA 98107 (206) 789-3860 www.northern-lights.com
DRAWN	MG	07/02/14			
CHECKED	TAH	09/03/14			
ENG APPR.					
MPG APPR.			TITLE: INSTALLATION DIMENSIONS M65T13L/M50T13L HEAT EXCHANGED		
G.A.					
COMMENTS:					
SIZE			PART NO.	DWG. NO.	REV
D			SEE TABLE		A
SCALE: 1:10			WEIGHT:		SHEET 1 OF 1