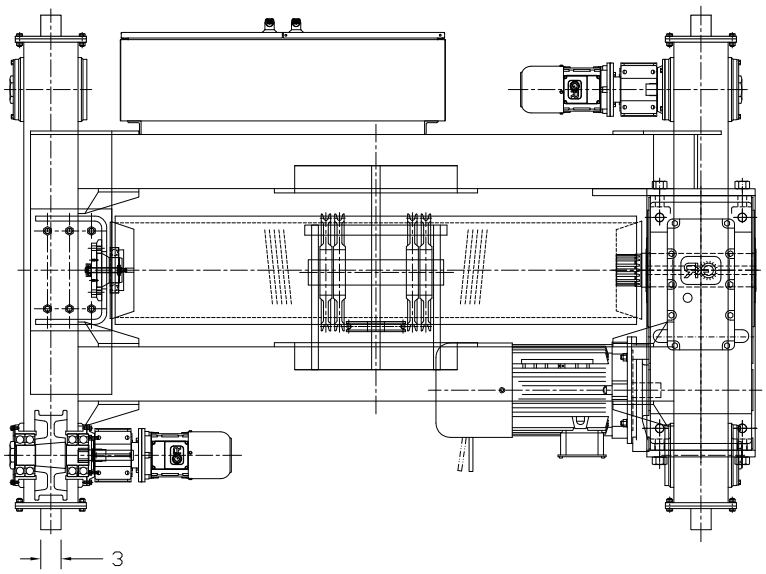

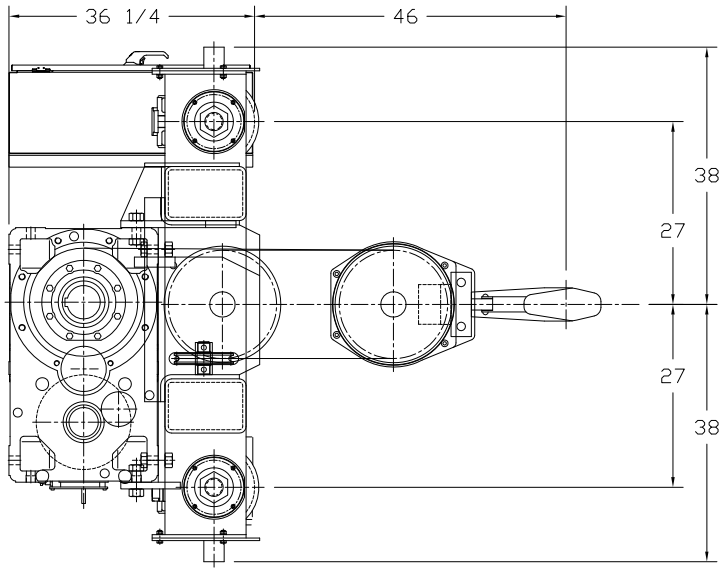

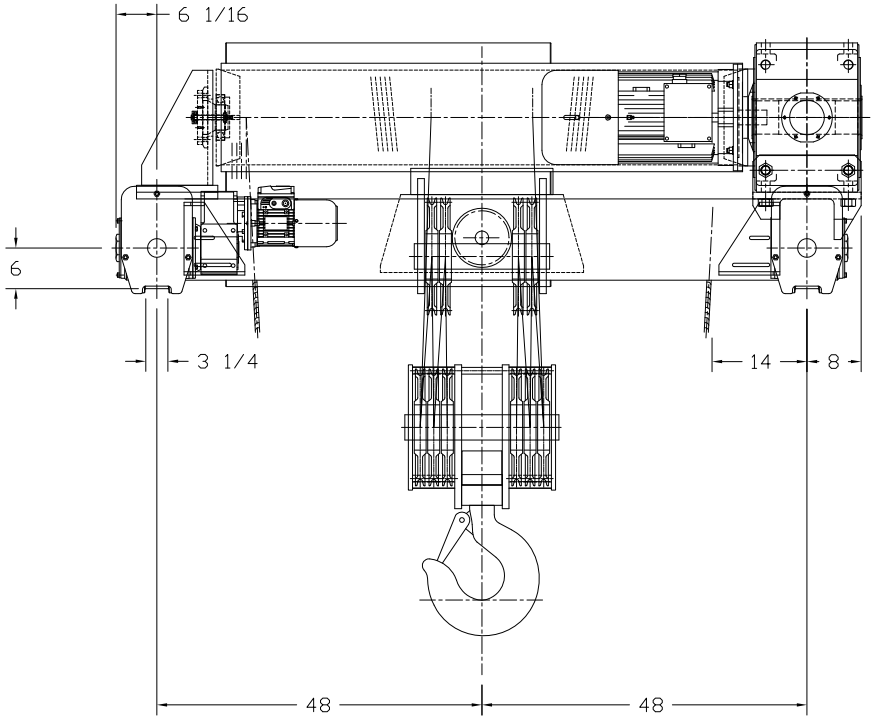

DETROIT HOIST FEATURES

- TRUE VERTICAL LIFT WITH 25.6 : 1 DRUM/ROPE AND DRUM/SHEAVE RATIO
- COMPLETE REEVING WITHOUT REVERSE BENDING FOR MAX ROPE LIFE
- MAX WIRE ROPE FLEET ANGLE OF 3° FOR MINIMUM ROPE WEAR
- HARDENED DRUM (48-55 HRC) & HARDENED SHEAVES (62 HRC)
- PARALLEL HELICAL DESIGN CAST IRON HOIST GEARBOX / HARDENED HARDENED & GROUND GEARING AND PREMIUM BEARINGS
- FORGED ALLOY HOOK (SF 5 : 1) / SPHERICAL ROLLER THRUST BEARING
- DIRECT DRIVE WHEELS / DOUBLE FLANGED / HARDENED (62 HRC)
- FLANGE MOUNTED PARALLEL HELICAL DESIGN CAST IRON TROLLEY GEARBOX HARDENED & GROUND GEARING / PREMIUM BEARINGS
- LOW MAINTENANCE DESIGN / ALL BEARINGS LUBRICATED FOR LIFE / WHEELS & SHEAVES FROM 100-70-03 GRAPHITE DUCTILE IRON / IONITRIDED FOR MINIMUM FRICTION, MAXIMUM HARDNESS AND DURABILITY

DETROIT HOIST CUSTOMER: X

DRAWING #	DWG BY	DATE	REVISION #	REVISION #
DR140T27-10M80-6PD	G. K.	08/18/14	X	X

SCALE 1: 1	DIR \ 2014 Q \ Q-	
MODEL / V-Hz	DR140T27-10M80-6PD/460-60	GEARBOX MR 3I 250-200L4
CAPACITY/RATING	70 TON / CL. D / H4	125: 1 PARALLEL HELICAL
LIFT / ROPE	27'-0" / 16 MM 8x19 / 6PD REEVING (12/2)	
LIFT SPEED / MOT	10 FPM VAR / 36 KW / SF 1.0 / CONTINUOUS DUTY	
HOIST CONTROLS	50 HP OPEN LOOP VECTOR / ENCODER BEARING INPUT	
TRLY SPEED / HP	80 FPM VAR / 2 X 1.8 KW / 5 HP SENSORLESS VECTOR	
WHEEL LOAD / WGT	38,900 LBS WITH 12" DIA WHEEL @ 60HRC / 7800 LBS	
SPECIAL FEATURES INCLUDED	100% DYNAMIC BRAKING / LINE VOLTAGE REGENERATION 40%-50% ENERGY REDUCTION / 100% BRAKE PROTECTION 90 HZ SPEED (15 FPM) UP TO 50% OF RATED LOAD	

NOTE: X

NOTE: X

NOTE: X