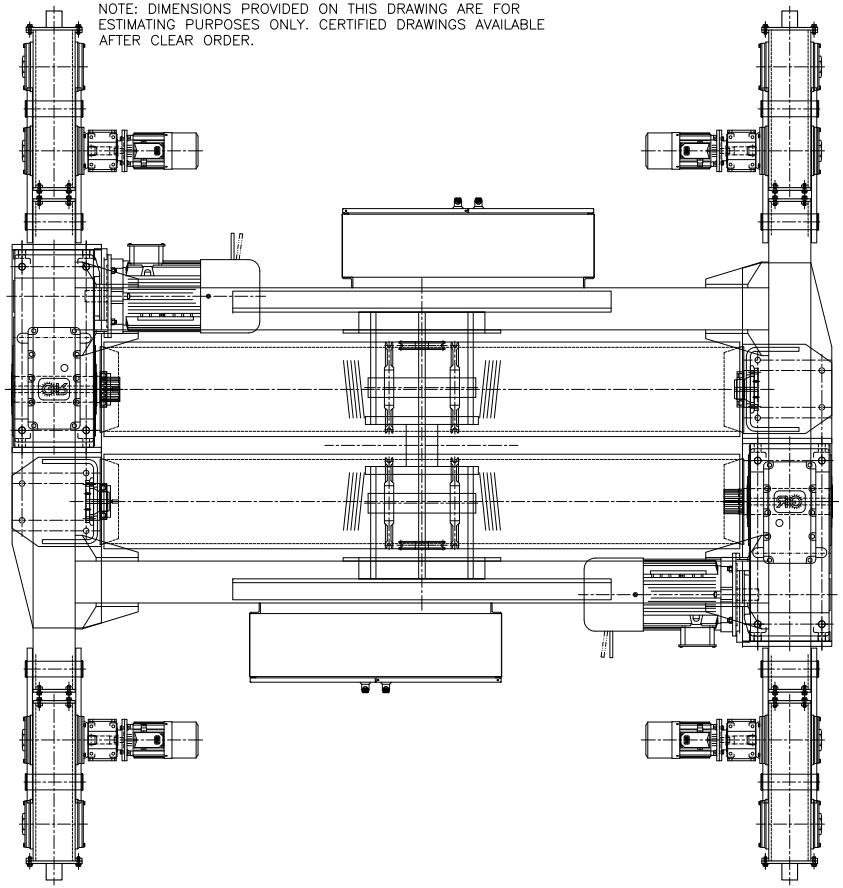
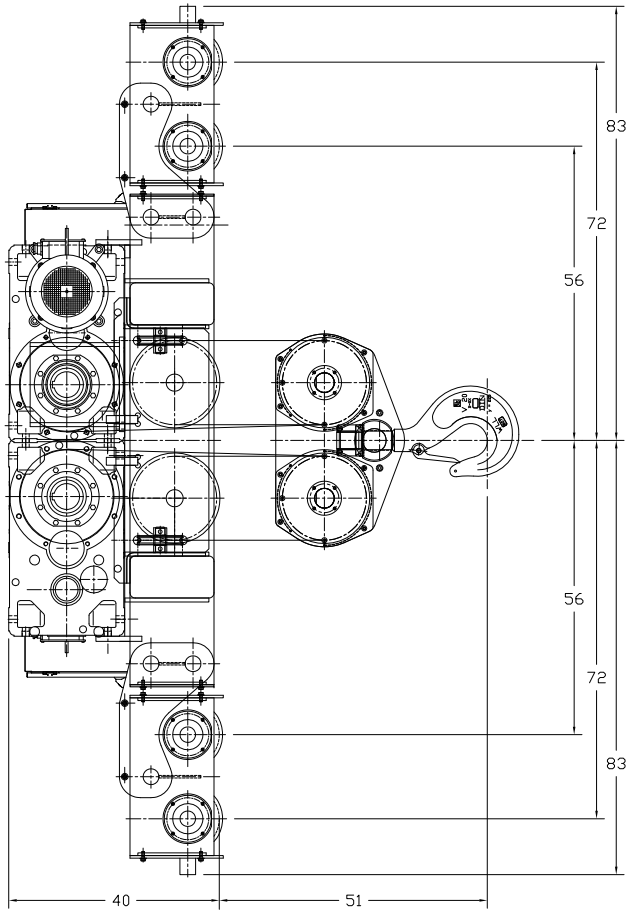
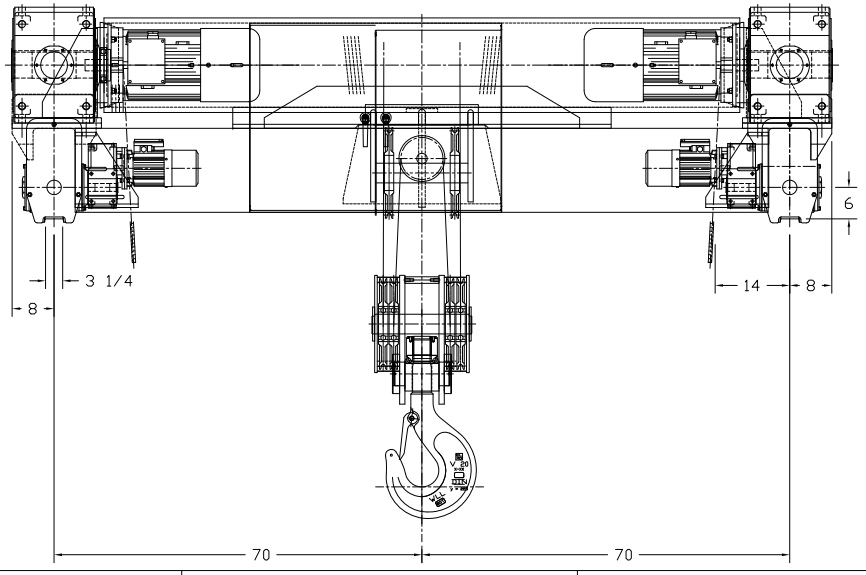
NOTE: DIMENSIONS PROVIDED ON THIS DRAWING ARE FOR ESTIMATING PURPOSES ONLY. CERTIFIED DRAWINGS AVAILABLE AFTER CLEAR ORDER.







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 LESS THAN 3° FOR MINIMUM ROPE WEAR
- HARDENED DRUM (48-55 HRC) & HARDENED SHEAVES (62-64 HRC)
- PARALLEL HELICAL DESIGN HOIST & TROLLEY GEARBOXES / SINGLE PIECE DUCTILE IRON GEAR HOUSING / PRECISION LINE BORED / FORGED, HARDENED & GROUND GEARING / ALL TAPER ROLLER BEARINGS / GEAR INSTALL COVER APPLICABEL FOR GEAR INSPECTIONS
- FORGED ALLOY HOOK (SF 5 : 1) / SPHERICAL ROLLER THRUST BEARING
- TAPER WHEEL CONNECTION / HARDENED WHEELS (62-64 HRC)
- LOW MAINTENANCE DESIGN / ALL BEARINGS LUBRICATED FOR LIFE / WHEELS & SHEAVES FROM THE HIGHEST GRADE GRAPHITE DUCTILE IRON / IONITRIDED FOR MINIMUM FRICTION, MAXIMUM HARDNESS AND DURABILITY

DETROIT HOIST CUSTOMER : X		
SCALE 1: 1	DRAWING #: X	DATE: X
MODEL / V-Hz	DR160T75-18M80-2x4PD / 460/60	GEARBOX MR 3I 250
CAPACITY/RATING	80 TON / CLASS D / HMI H4	98.5: 1 PARALLEL
LIFT / ROPE	75'-0" / 16MM 8x19 / 2 x 4PD REEVING (8/2)	
LIFT SPEED / MOT	18 FPM VAR / 2 X 36 KW / 60 MIN RATED	
HOIST CONTROLS	2x60 HP CLOSED LOOP FLUX VECTOR / ENCODER INPUT	
TRLY SPEED / HP	80 FPM VAR / 4 X 1.8 KW / 10 HP SENSORLESS VECTOR	
WHEEL LOAD / WGT	22500 LBS / 12" DIA WHEEL @ 65HRC / 18200 LBS	
SPECIAL FEATURES INCLUDED	100% DYNAMIC BRAKING / LINE VOLTAGE REGENERATION 40%-50% ENERGY REDUCTION / 100% BRAKE PROTECTION	

NOTE: #	NOTE: X	NOTE: X