Motion Control Engineering
A Kinetek Company

94MB Geared Machine Survey Form
Motion Control Engineering, Inc.
Phone: 916 463 9200 Fax: 916 463 9201

MCE TO COMPLETE THIS INFORMATION

Drawing Number:		Engineer Name:	
Installation Date:		Delivery Date:	
Comments: _____			

CUSTOMER INFORMATION

Customer Name:	Job Name:
Customer Address:	
Contact Name:	Contact Title:
Telephone: +( )	FAX: +( )
Email Address:	Cell Phone: +( )
Contact Signature:	Date Signed:

JOB INFORMATION

Car Type: ☐ Passenger ☐ Freight			Application: ☐ New Construction ☐ Modernization	
Machine/Motor Quantity Required: No. (If configurations are different, complete separate forms for each machine or motor)				
Number of Floors:	Machine/Motor location: ☐ Machine Room ☐ Top of hoistway ☐ Bottom of hoistway			
Main Supply: ☐ 3-Phase VAC / Hz	Please provide: Job Specifications and Architectural and Structural Drawings			
ASME A17.1 compliance: ☐ 1993 ☐ 1996 ☐ 2000 ☐ 2004/5			Seismic Zone: ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 If 2 or greater, must all code requirements be met (including seismic fishplates)? ☐ Yes ☐ No	

LOAD DATA

Rated live load/car capacity: lbs / kg	Empty car weight (crosshead label): lbs / kg
Total suspended weight: lbs / kg	Counterweight percentage: ☐ 40% ☐ Other:
Compensation ☐ (Compensation is assumed to be 100%)	
Load Classification ☐ A ☐ B ☐ C1 ☐ C2 ☐ C3 ☐ Other – Specify: _____	

EXISTING EQUIPMENT DATA (IF MODERNIZATION)

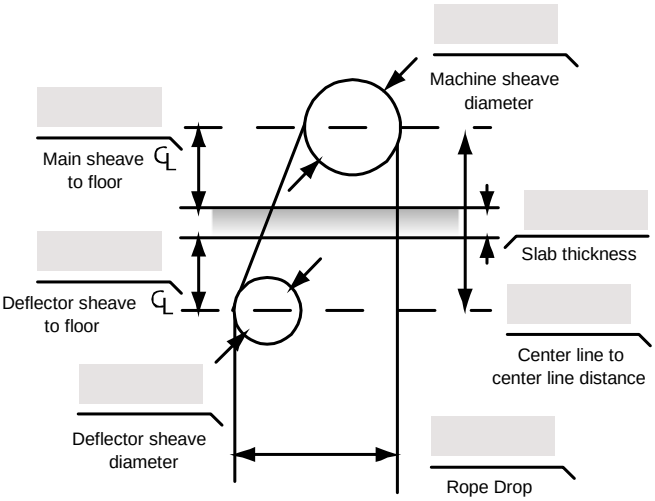
Existing Lift:	Brand:	Type:		Install Date:	
Number of cables:		Cable diameter: ☐ 1/2 in ☐ 5/8 in ☐ Other			
Car speed: _____ FPM / _____ m/s		Pitch: _____ (center-to-center sheave groove dimension)			
Hand of Sheave	When standing at the motor end, the sheave is on the: ☐ Right ☐ Left			Roping	☐ 1:1 ☐ 2:1

NOTE: HOISTWAY AND MACHINE ROOM LAYOUT DRAWINGS

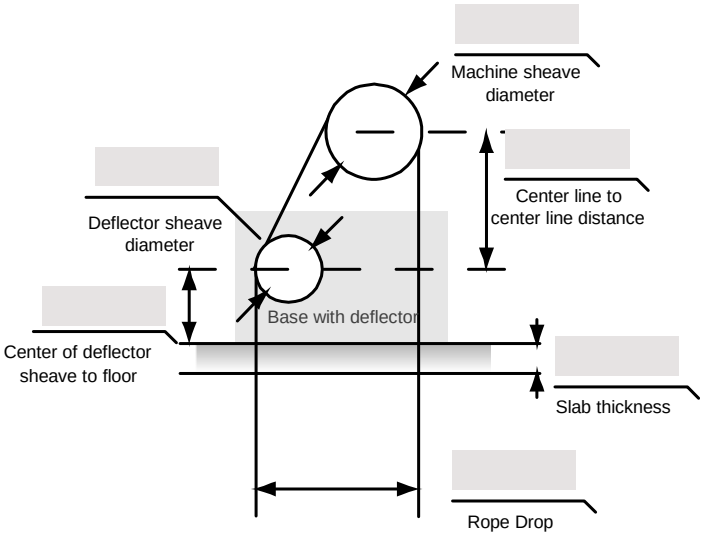
This survey form provides the most common layout drawing. Other layout drawings are available from MCE upon request.

☐ I would like a representative to contact me about additional drawings.

EXISTING SHEAVE AND DEFLECTOR INFORMATION

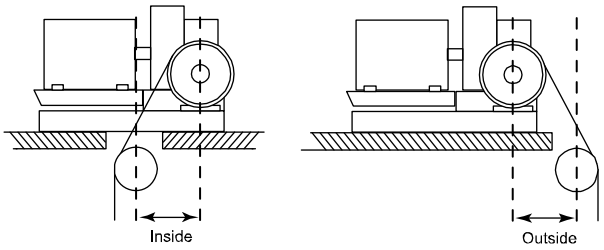


A. Deflector in hoistway



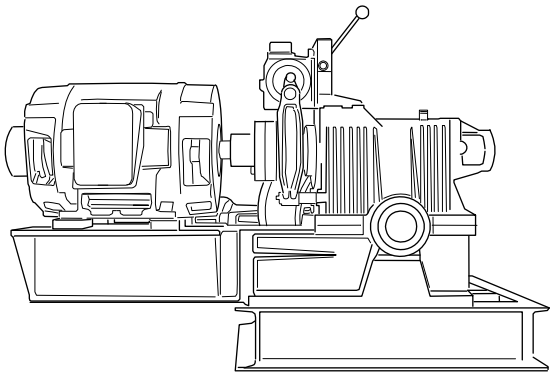
B. Deflector in sub base

Indicate Deflector vs. Main Sheave Position
(drawings represent both left and right hand machines)



☐ ☐

MACHINE INFORMATION



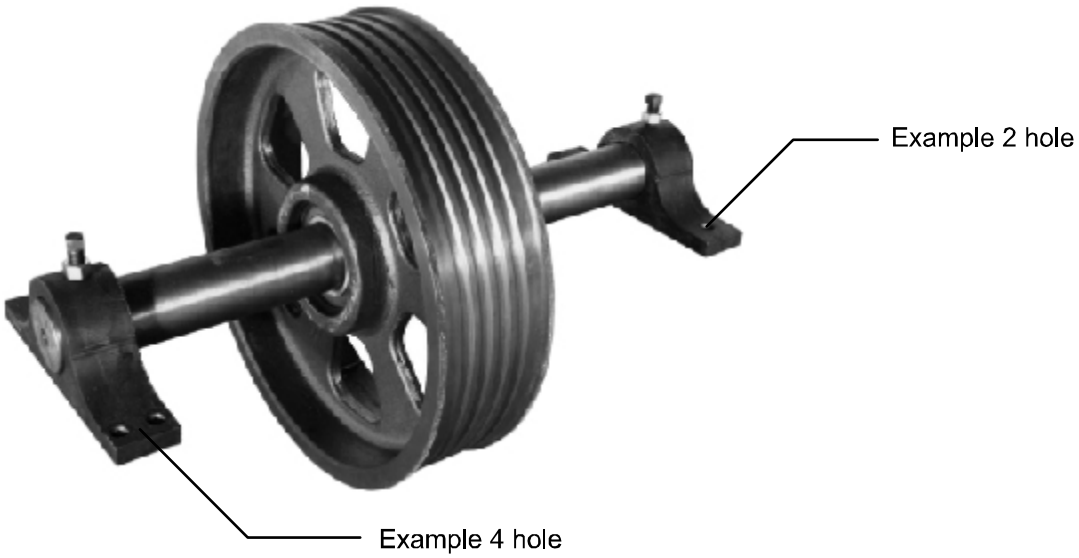
STANDARD EQUIPMENT	AVAILABLE ACCESSORIES
Imperial motor, sized per job	☐ Rope guard
94MB gear unit	☐ Machine sheave guard
Fabricated steel sub base	☐ Machine isolation pads
Brake assembly	☐ Rope brake (HW #622) ☐ Mounting plate & hardware
Brake release micro switch	☐ Governor
Field replaceable sheave	☐ Compensation chains
1024 ppr incremental encoder	☐ Hoist ropes
Factory filled synthetic lubricant	☐ Anti-sway devices (cable/chain)
7-groove sheave V-groove (40°) w/undercut (90°)	☐ Pull out detection switches
	☐ Grips, support brackets, U-bolts, and couplings (See Comp Cabl pg)
	☐ Deflector Sheave (See below)
	☐ Blocking beams, gusset reinforced

OPTIONAL DEFLECTOR SHEAVE INFORMATION

Existing Pillow Block ☐ 2-hole ☐ 4-hole (see illustration)

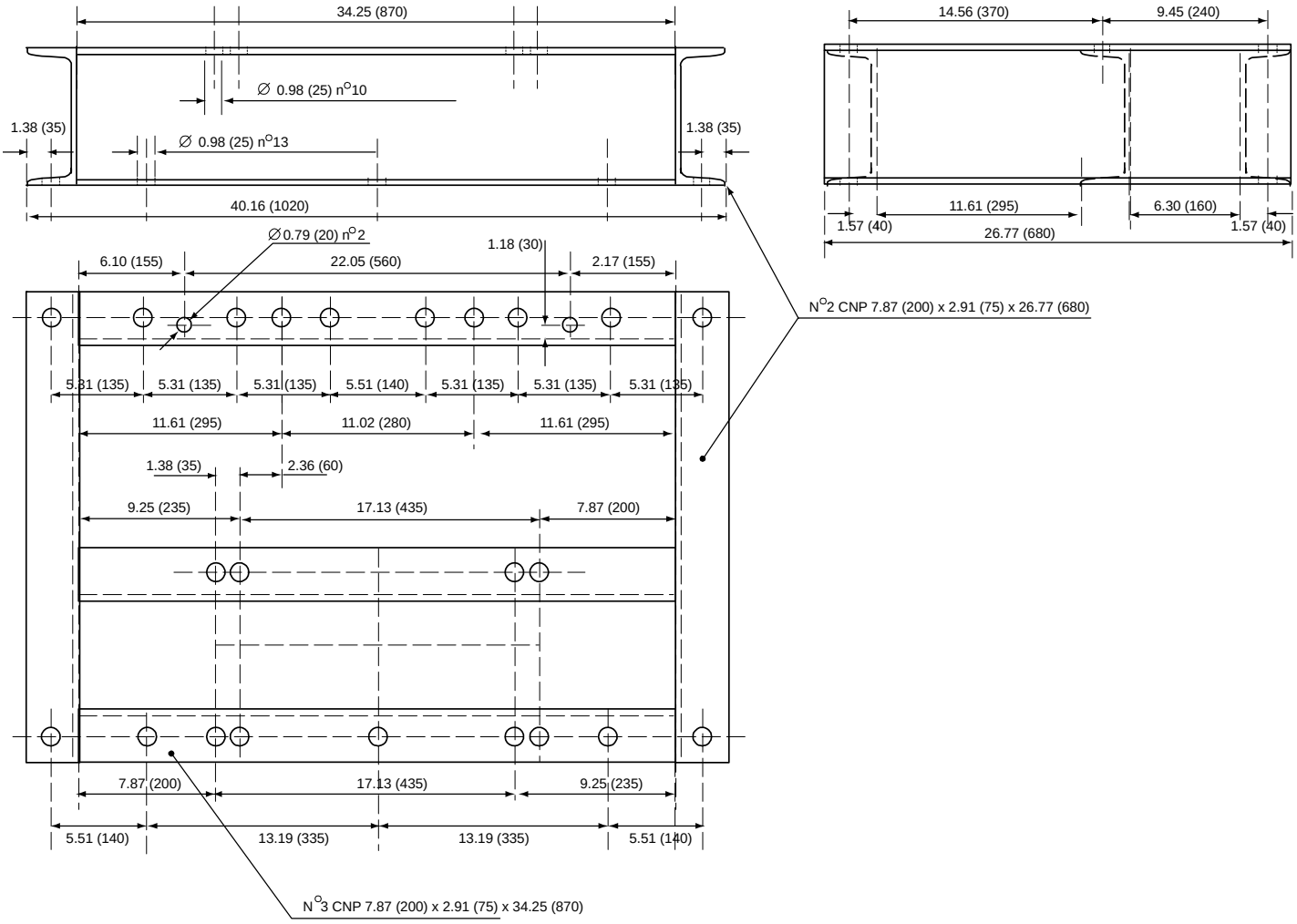
Existing deflector sheave shaft length: _____

Distance from one end of shaft to center of sheave: _____

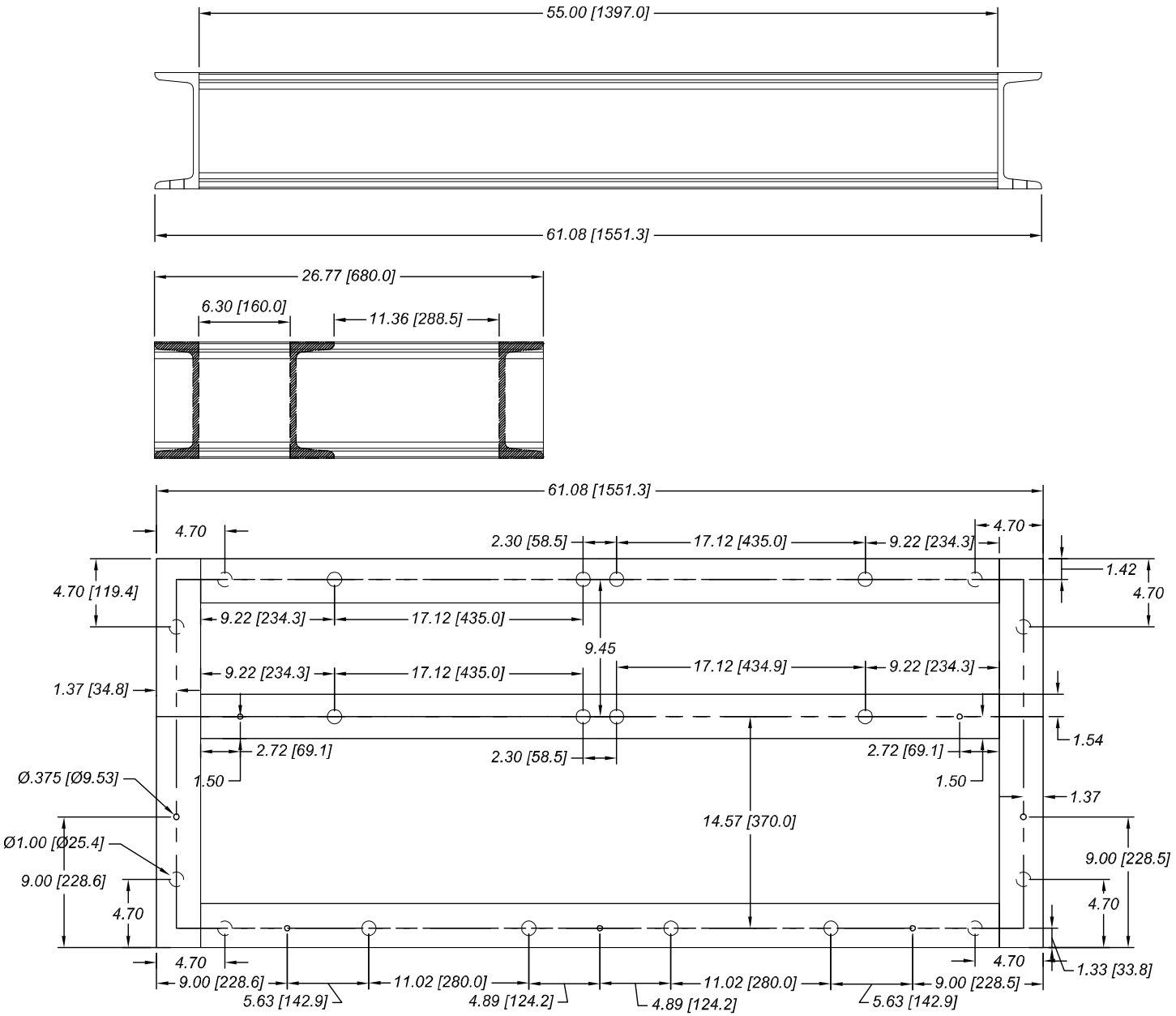


MACHINE SUB BASE A DIMENSIONS (LH SHOWN)

Dimensions inches (mm)



MACHINE SUB BASE B DIMENSIONS



CUSTOMER PROVIDED INFORMATION

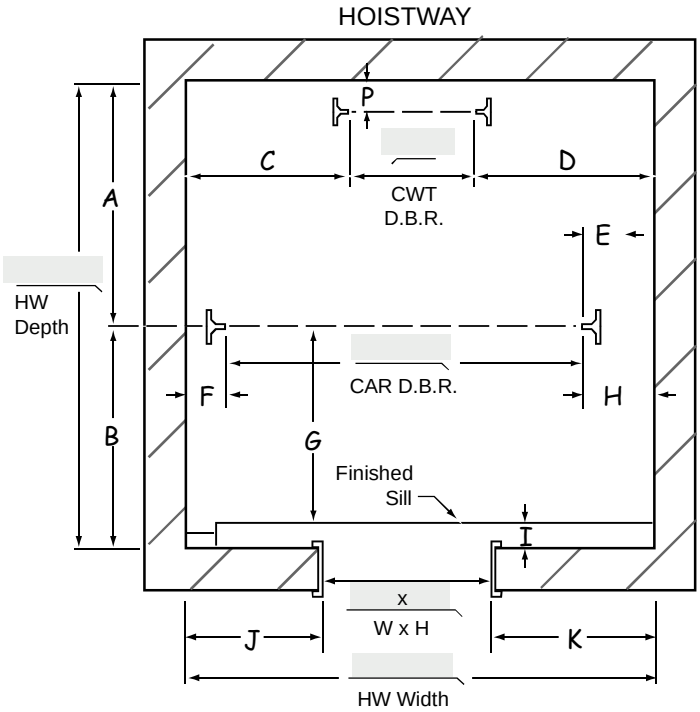
Please provide a sketch and measurements for the machine room area within a 15-foot radius of the machine location, and/or other information you think relates to machine installation:

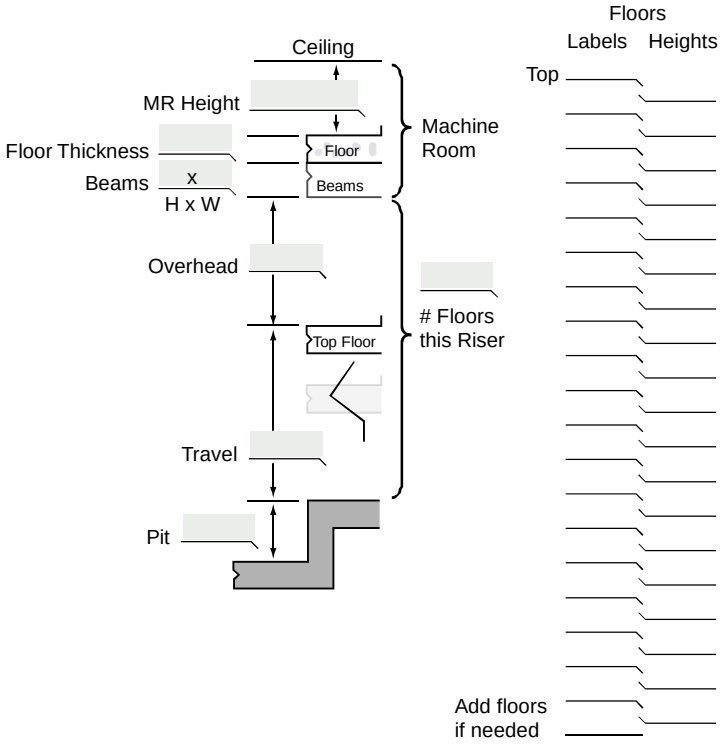
Text:

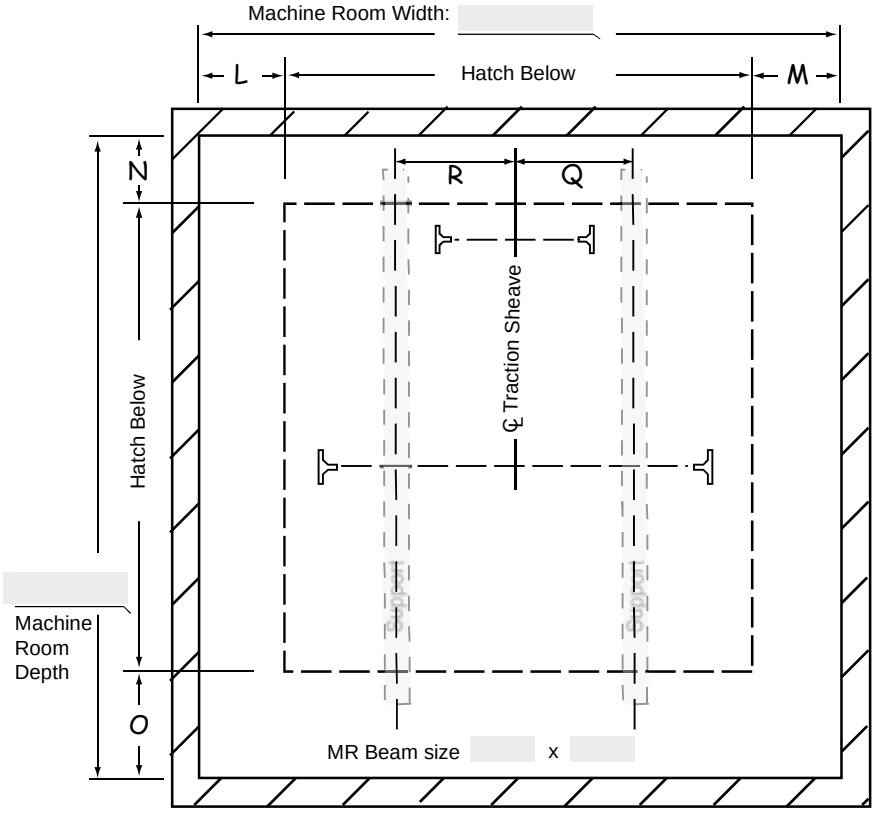
Motion Control Engineering
A Kinetek Company

94MB Geared Machine Survey Form
Motion Control Engineering, Inc.
Phone: 916 463 9200 Fax: 916 463 9201

LAYOUT. REAR COUNTERWEIGHT / FRONT OPENING CENTER PARTING







MACHINE ROOM

Indicate door location with X's

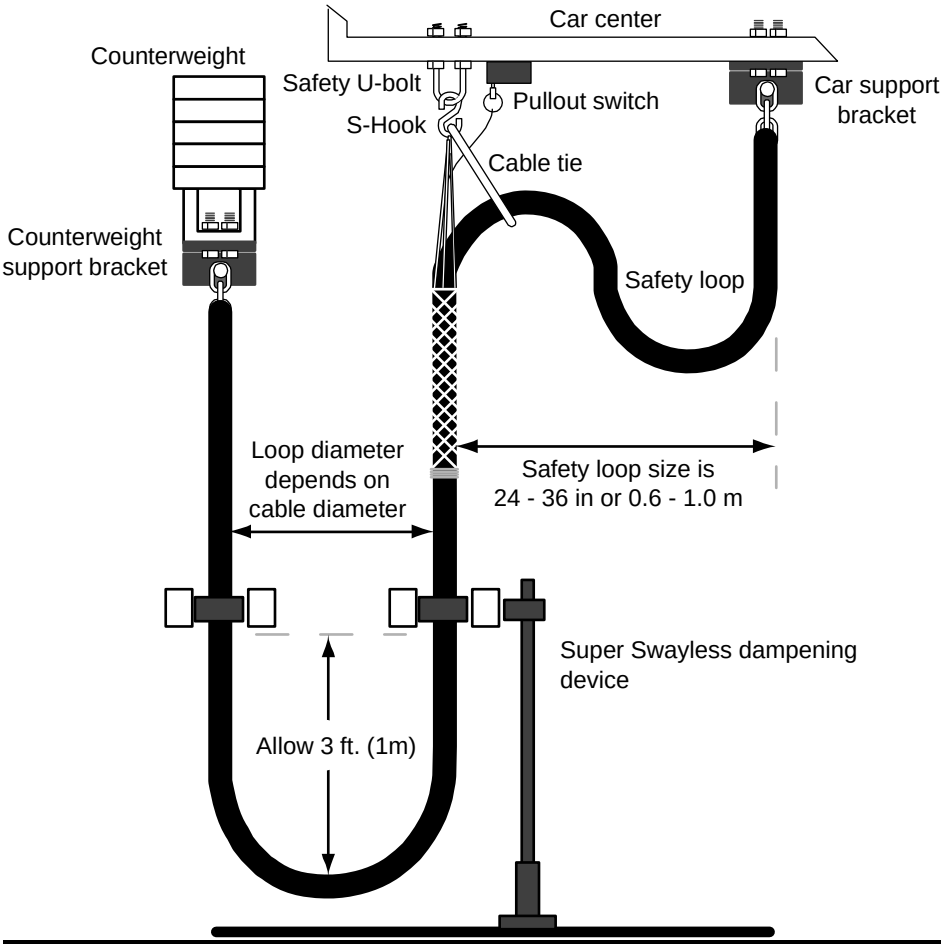
XXXXXXXXXXX

Rail Dimension		
	Car	Cwt
Back		
Height		
Face		
Lbs / Foot		

DIMENSION @ TIGHTEST POINT	
A	B
C	D
E	F
G	H
I	J
K	L
M	N
O	P
Q	R

Call for additional layout diagrams:
F/R opening, left side counterweight.
F/R opening, right side counterweight.
F only, left close, right side counterweight.
F only, right close, left side counterweight.
F only, left close, left side counterweight.
F only, right close, right side counterweight.

COMPENSATING CABLE / ACCESSORIES



COMPENSATING CABLE ACCESSORIES

☐ Stainless Steel Mesh Grips Qty:	☐ Support Brackets (2 required minimum) Qty:
☐ Steel U-bolts Qty:	☐ Steel S-hooks Qty:
☐ Couplings Qty:	☐ Super Swayless Dampeners Qty: ☐ Floor Mount Brackets (2 minimum) Qty: ☐ Counterweight Mount bracket ☐ Counterweight Rail Mount (w/ 2 s/swayless dampeners)
☐ Pullout switch kit Qty:	☐ Cable stripping service Number links: ☐ 1.5 ☐ 3.5

CAUTION:

Elevator compensating cable and/or rope installation hardware qualities are specified by code. Hardware that does not meet these standards will void the cable/rope/peripherals manufacturer warranty.