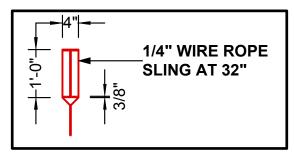
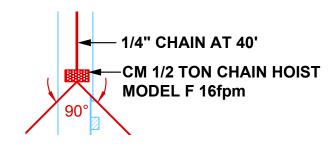
Vectorworks Educational Version



SECTION OF BEAM SCALE: 1/2" = 1' - 0"



MOTOR CONNECTION TO BEAM:

- 1 1/4" SHACKLE
- 1 1/4" CHAIN AT 40'
- 1 CM 1/2 TON CHAIN HOIST
- 1 32" WIRE ROPE SLING
- 2 1/4" NICOPRESS SLEEVES
- 2 1/4" THIMBLES

CALCULATIONS FOR THE WEIGHT OF THE MOTOR

1/4" CHAIN (40'):

1 CHAIN x .6 LBS/FT = 24 LBS

1/4" SHACKLES:

.10 LBS EACH x 1 SHACKLE = .10 LBS

1/4" 7x19 GAC (32" WIRE ROPE SLING):

2.67 FT CABLE x .11 LBS/FT = .2937 LBS

1/4" THIMBLES:

.65 LBS EACH x 2 THIMBLES = 1.3 LBS

1/4" NICOPRESS SLEEVES:

.08 LBS EACH x 2 SLEEVES = .16 LBS

TOTAL WEIGHT OF MOTOR & CONNECTIONS:

24 LBS 1/4" CHAIN

- + .10 LBS 1/4" SHACKLES
 - .2937 LBS 1/4" 7x19 GAC AT 10 FT
 - 1.3 LBS **1/4" THIMBLES**
 - .16 LBS 1/4" NICOPRESS SLEEVES
 - = 25.8537 LBS

0 П 1/4 **SCALE: AND CONNECTIONS** FINAL PROJECT: LITTLE THEATRE LIGHT LADDER RE-RIG **DESIGNER:** ILIA KEMBLE 5/15/14