



*Hollister-Whitney*

ELEVATOR CORPORATION

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# ***FIELD SURVEYS***



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Form E-120-1 (sheet 1-2)	Layout Drawing Information (Full)
Form E-120-2 (sheet 1)	Layout Drawing Information (Machine Rm. Only)
Form E-172 (sheet 1-16)	Existing Shaft Surveys
Form E-171 (sheet 1-3)	Existing Equipment Surveys
Form E-112 (sheet 1-4)	Final Engineering Checklist
Form E-147 (sheet 1-2)	Info Required to Mfr. Machine Block-up Assy.

## **INSTRUCTIONS:**

1. Layout drawings by H-W for new installations require a set of the job specifications, a set of the architectural and structural drawings, and all applicable information listed on the enclosed Form E-120-1 or E-120-2, whichever is applicable.
2. Layout drawings by H-W for modernizations require thorough field surveys of the existing hoistway and machine room indicating the size and construction of all existing equipment that is to be retained. Use only the most applicable sheets from forms E-171 and E-172. If any architectural drawings, structural drawings, or original elevator installation layout drawings are available then they be helpful as well.
3. The enclosed E-172 Existing Shaft Survey forms depict basic arrangements and it may be necessary to include additional sketches for specialized arrangements such as for cornerposts, basement applications, freight applications, 2:1 roping, etc. Use only the most applicable sheets and supplement with additional sketches as needed.
4. For multiple car groupings, be sure to label the car number designations on each form and also include a key drawing showing the location relationship of each car within the group. Also indicate whether there is a wall or a divider beam at each side of the shaft.
5. Final engineering of equipment when no layout drawings are being provided by H-W or by the customer will require basic survey information as listed on the E-112 and E-147 forms enclosed.



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## LAYOUT DRAWING INFORMATION (FULL LAYOUT)

<b>Company:</b>	<b>Date:</b>
<b>Address:</b>	<b>Job Name:</b>
<b>Contact:</b>	<b>Job Address:</b>
<b>Phone:</b>	<b>Your PO #:</b>
<b>Email:</b>	<b>H-W Contract #:</b>

### PLEASE PROVIDE THE FOLLOWING:

- General Specifications, Job Summary, or Scope of Project:** Or if unavailable, fill out H-W #E-166 Estimation and Order form, which is available online.
- Pre-designed Jobs:** Provide a complete set of architectural and structural drawings.
- Design Build Jobs:** For "design build" jobs that have no architectural or structural drawings available, advise if H-W has complete freedom to determine the hoistway size, pit depth, and overhead height as per our requirements:  Yes  No
- Existing Hoistway / Machine Room:** For existing elevator construction provide a thorough field survey and/or the original elevator installation layout. Indicate hoistway size; door type, size, and hand; machine room size and configuration; all floor heights; pit depth; and clear overhead height. We have various survey forms available in Bulletin #1139 Field Surveys, which is available online.
- Modernization Jobs:** For "modernization" jobs indicate sizes and locations of all equipment that is to be retained. We have various survey forms available in Bulletin #1139 Field Surveys, which is available online. Identify all **existing** elevator equipment that you intend to keep in place:
 

<input type="checkbox"/> Car rails and brackets	<input type="checkbox"/> CWT. rails and brackets	<input type="checkbox"/> Hoistway door frames and sills
<input type="checkbox"/> Car sling	<input type="checkbox"/> Car platform	<input type="checkbox"/> CWT. frame
<input type="checkbox"/> Safety	<input type="checkbox"/> Governor	<input type="checkbox"/> Tension weight
<input type="checkbox"/> Car shoes	<input type="checkbox"/> CWT. shoes	<input type="checkbox"/> Buffers
<input type="checkbox"/> Pit channels	<input type="checkbox"/> Machine beams / DEH beams	<input type="checkbox"/> Machine
<input type="checkbox"/> Deflector sheave	<input type="checkbox"/> Overhead sheave supports	<input type="checkbox"/> Overhead sheaves
<input type="checkbox"/> Cab enclosure	<input type="checkbox"/> Controller	<input type="checkbox"/> Other: _____
- Governing Codes:** List the applicable ASME A17.1 Code year revision: \_\_\_\_\_
- Seismic Risk Zone:** Check the applicable seismic zone:  0  1  2  3  4  N/A (Existing)
- Incoming Building Power Supply:** \_\_\_\_\_ Voltage      **Machine/Controller Power Supply:** \_\_\_\_\_ Voltage
- Occupied Space:** Is there "occupied space" below the pit (requires a counterweight safety per code):  Yes  No
- Existing Car Being Retained:** List the total empty car weight: \_\_\_\_\_
- New Passenger Cab:** O.A. Height: \_\_\_\_\_ Cab + Door Weight: \_\_\_\_\_
- New Freight Cab:** Mfr.: \_\_\_\_\_ O.A. Height: \_\_\_\_\_ Cab Weight: \_\_\_\_\_ Gate(s) Weight: \_\_\_\_\_  
(Forward a job specific drawing of the cab & gate assembly)

13. **Finished Car Flooring:** Thickness: \_\_\_\_\_ Type of Material: \_\_\_\_\_  
Weight in lbs/sq.ft: \_\_\_\_\_ or Overall Weight: \_\_\_\_\_ total lbs.
14. **Loading Classification:**  
 Passenger (only)     Passenger/Class A     Passenger/Class C1     Passenger/Class C2     Passenger/Class C3  
 Freight/Class B     Freight/Class A     Freight/Class C1     Freight/Class C2     Freight/Class C3
15. **Confirm Accessibility Requirements:**  
 Wheelchair only                       76" x 24" Stretcher                       84" x 24" Stretcher
16. **Guide Shoes:** Mfr.: \_\_\_\_\_ Car Shoe Model: \_\_\_\_\_ Cwt. Shoe Model: \_\_\_\_\_
17. **Rail Bracket Attachment:** Method of car and cwt. guide rail bracket attachment to the structure at the outer walls:  
 Inserts     Concrete anchors     Steel framing (steel locations are required)
18. **Machine:** Mfr.: \_\_\_\_\_ Model: \_\_\_\_\_ Type (Geared / Gearless): \_\_\_\_\_  
(If not being supplied by H-W, forward a job specific drawing of the machine.)
19. **Hoist Motor (Geared Machine):** Mfr.: \_\_\_\_\_ HP: \_\_\_\_\_ RPM: \_\_\_\_\_ Frame Size: \_\_\_\_\_  
(If not being supplied by H-W)
20. **Controller:** Mfr.: \_\_\_\_\_ Model No.: \_\_\_\_\_ Size: \_\_\_\_\_ W. \_\_\_\_\_ D. \_\_\_\_\_ H.
21. **Other Equipment in Machine Room:** List all items and provide sizes:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
22. **Drive Manufacturer (required if H-W is supplying a gearless machine):**  
 KEB                       Magnetek                       Other (cable will be provided by customer)
23. **Jobs with Live Shaft Governor:** Standard shaft dia. Is 12 mm if using G.A.L. controls. If using other control manufacturer specify the required shaft diameter:     12 mm (.472") dia.     .25" dia.     .75" dia.     1.00" dia.
24. **Car Sill Detail:** If H-W is supplying a car platform with all-steel type construction that has no additional wood sub-flooring on top, then a car sill detail is required by our final engineering department before fabrication of the platform.
25. **Car Operating Panel Cut-out Detail:** If the car operating panel is located at the side of the cab enclosure, then a drawing showing the size and location of the C.O.P. box cut-out is required by our final engineering department before fabrication of the car sling.

**MRL Applications:**

1. **MRL Plan Arrangement:** Which Plan arrangement have you chosen from our MRL Design Guide (available online): \_\_\_\_\_
2. **MRL Machine Access Door:** If you are considering our MRL Plan A1, A2, F, or G (counterweight located at the side), then a machine access door is required. If it is not structurally feasible to provide the access door these plan arrangements may not be available. Confirm whether you can provide the machine access door:     Yes     No
3. **MRL Governor Access:** Confirm if required to adhere to NYC Appendix K, which requires a governor access door:  Yes     No
4. **MRL Encoder Cable Length:** H-W standard length for the encoder cable is 20 meters (65 feet). The maximum length that we supply is 75 meters (246 feet). Determination of the correct length required to route through the building structure is your responsibility. Confirm required encoder cable length: \_\_\_\_\_ft.
5. **MRL Manual Brake Release Cable Length:** If the controls are by G.A.L. a manual brake release is NOT REQUIRED. If the controls are by another manufacturer, then a manual brake release cable is supplied and our standard stock cable length is 8'-0". Other stock lengths available are 15'-0", 20'-0", 25'-0", 30'-0", 40'-0", and 50'-0" (max.). Confirm required brake release cable length: \_\_\_\_\_ ft.

**NOTE: If layouts are being prepared by H-W, we will require your written approval verifying the accuracy of the layout drawings and authorizing us to proceed with final engineering to release to production before any fabrication of equipment can proceed.**



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## LAYOUT DRAWING INFORMATION (MACHINE ROOM ONLY - OVERHEAD APPLICATION)

Company:	Date:
Address:	Job Name:
Contact:	Job Address:
Phone:	Your PO #:
Email:	H-W Contract #:

### PLEASE PROVIDE THE FOLLOWING:

- General Specifications, Job Summary, or Scope of Project:** Or if unavailable, fill out H-W #E-166 Estimation and Order form, which is available online.
- Existing Hoistway / Machine Room:** For existing elevator construction provide a thorough field survey and/or the original elevator installation layout. Indicate machine room size and configuration; hoistway size and location (below) relative to the existing machine room walls, access door location & size; guide rail locations (below), location of all existing equipment in machine room that is to be retained in place. We have various survey forms available in Bulletin #1139 Field Surveys, which is available online.
- Modernization Jobs:** For "modernization" jobs indicate sizes and locations of all equipment that is to be retained. We have various survey forms available in Bulletin #1139 Field Surveys, which is available online. Identify all **existing** elevator equipment that you intend to keep in place:
 

<input type="checkbox"/> Car rails	<input type="checkbox"/> CWT. rails	<input type="checkbox"/> Governor
<input type="checkbox"/> Machine beams / DEH beams	<input type="checkbox"/> Machine	<input type="checkbox"/> Deflector sheave
<input type="checkbox"/> Controller	<input type="checkbox"/> Other: _____	
- Existing Car Being Retained:** List the total empty car weight: \_\_\_\_\_
- Governing Codes:** List the applicable ASME A17.1 Code year revision: \_\_\_\_\_
- Seismic Risk Zone:** Check the applicable seismic zone:  0  1  2  3  4  N/A (Existing)
- Incoming Building Power Supply:** \_\_\_\_\_ Voltage      **Machine/Controller Power Supply:** \_\_\_\_\_ Voltage
- Machine:** Mfr.: \_\_\_\_\_ Model: \_\_\_\_\_ Geared / Gearless (circle one)  
(If not being supplied by H-W, forward a job specific drawing of the machine.)
- Hoist Motor (Geared Machine):** Mfr.: \_\_\_\_\_ HP: \_\_\_\_\_ RPM: \_\_\_\_\_ Frame Size: \_\_\_\_\_  
(If not being supplied by H-W)
- Controller:** Mfr.: \_\_\_\_\_ Model No.: \_\_\_\_\_ Size: \_\_\_\_\_ W. \_\_\_\_\_ D. \_\_\_\_\_ H.
- Drive Manufacturer (required if H-W is supplying a gearless machine):**

<input type="checkbox"/> KEB	<input type="checkbox"/> Magnetek	<input type="checkbox"/> Other (cable will be provided by customer)
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- Jobs with Live Shaft Governor:** Standard shaft dia. Is 12 mm if using G.A.L. controls. If using other control manufacturer specify the required shaft diameter:  12 mm (.472") dia.  .25" dia.  .75" dia.  1.00" dia.

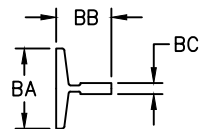
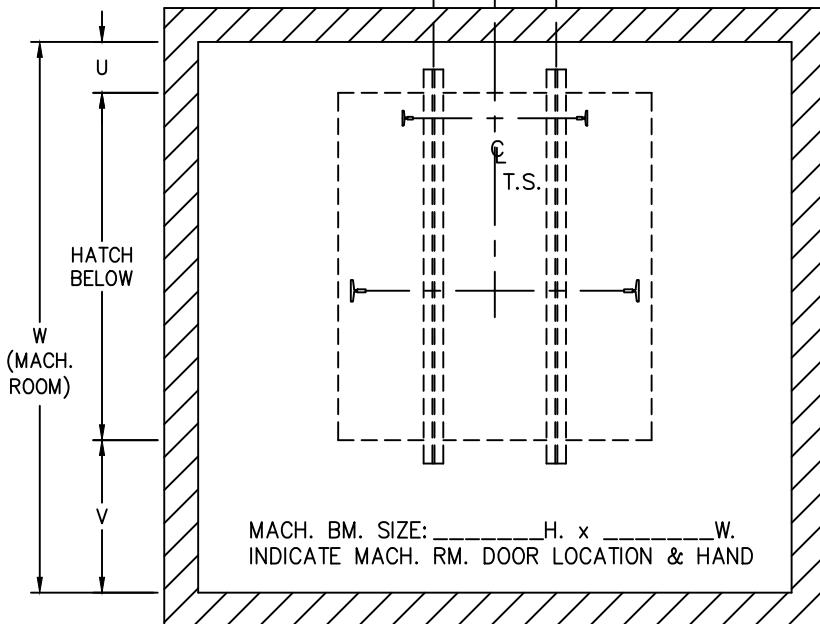
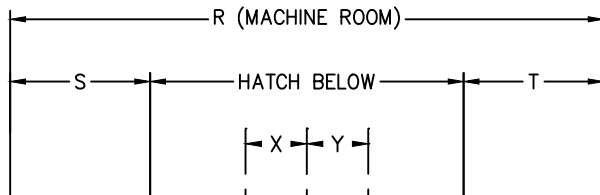
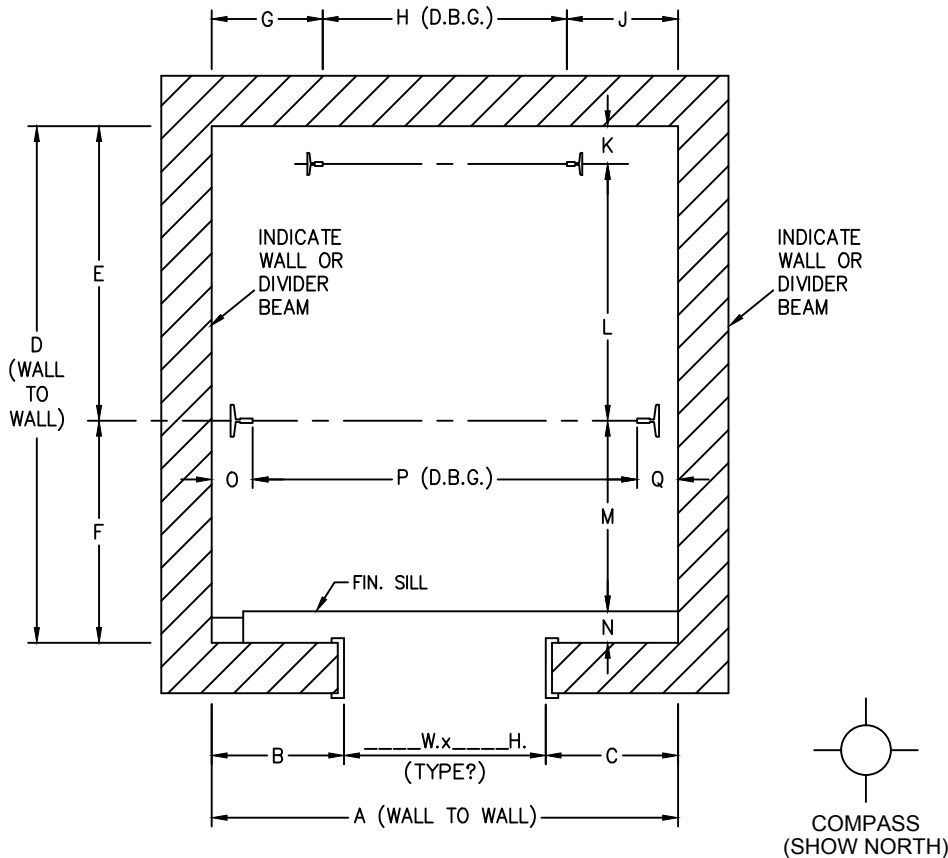
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# E-172 EXISTING SHAFT SURVEY (SHT. 2)

## SINGLE OPENING - CWT. AT REAR

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

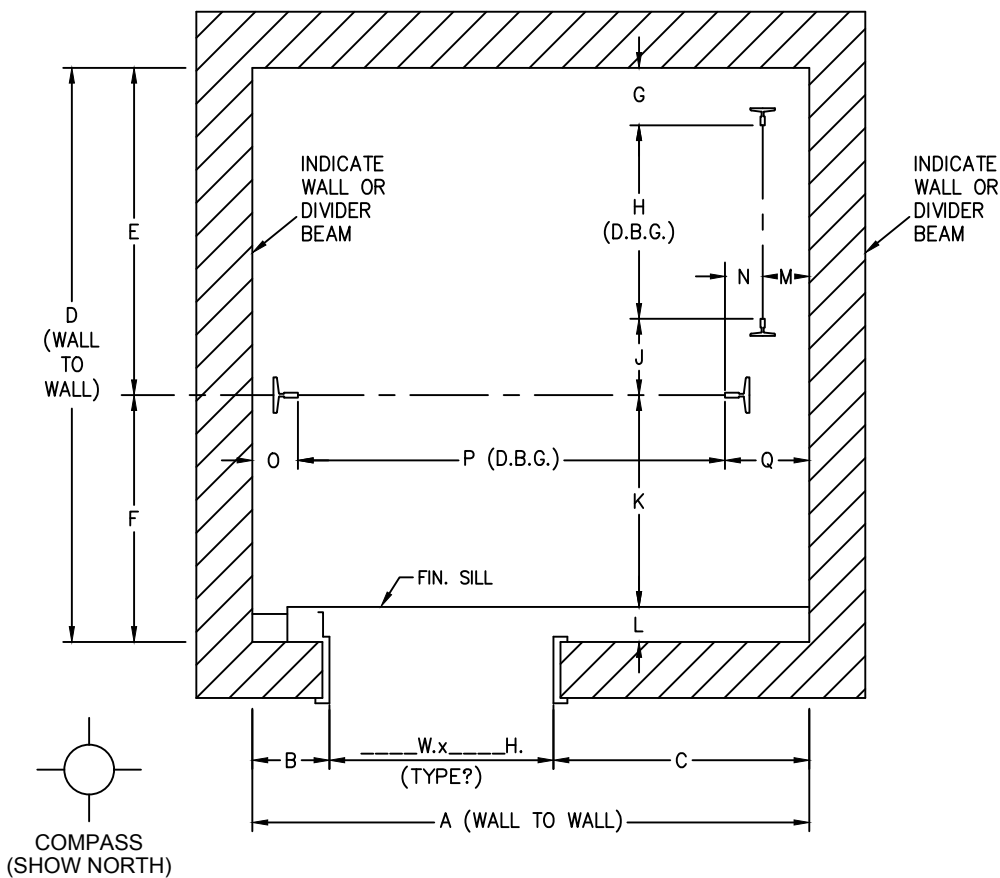
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



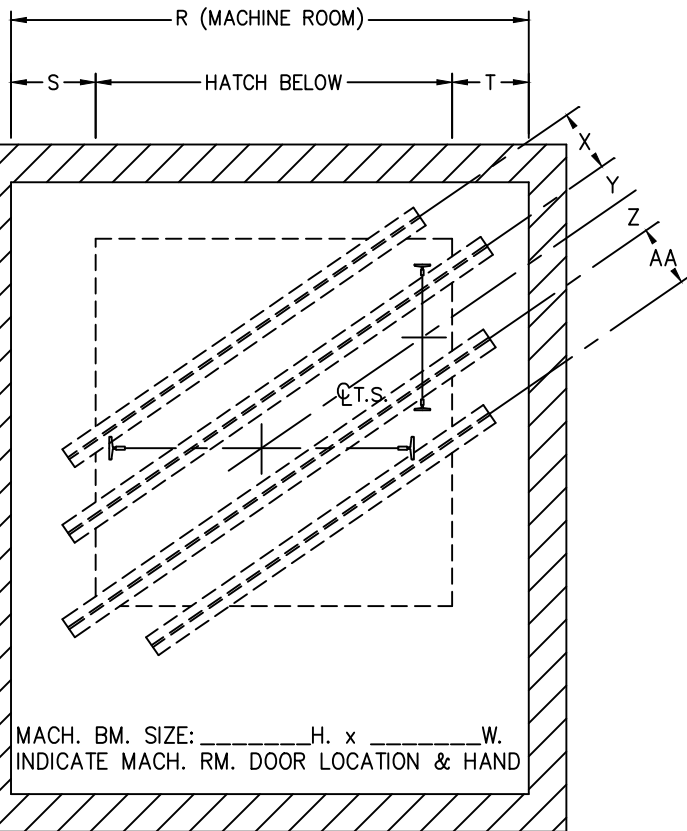
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 email: layouts@hwec.com

# E-172 EXISTING SHAFT SURVEY (SHT. 3)

## SINGLE OPENING - LEFT HAND DOOR - CWT. ON RIGHT



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_

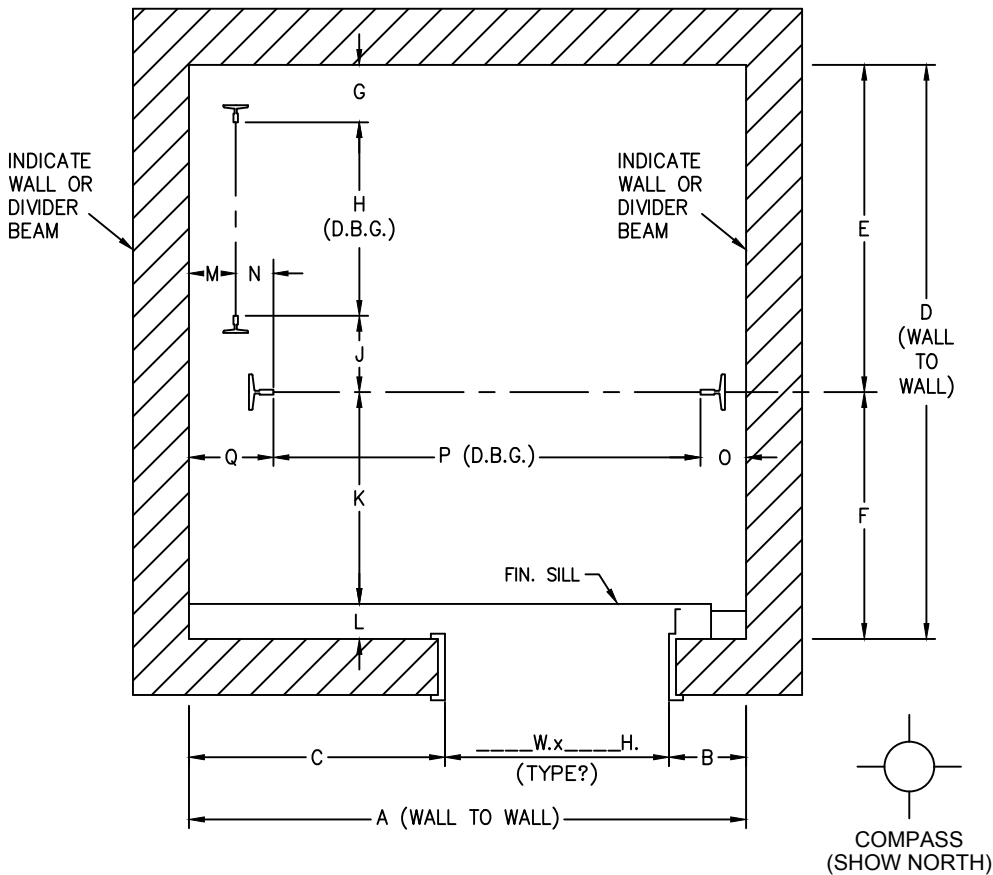


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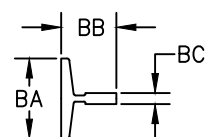
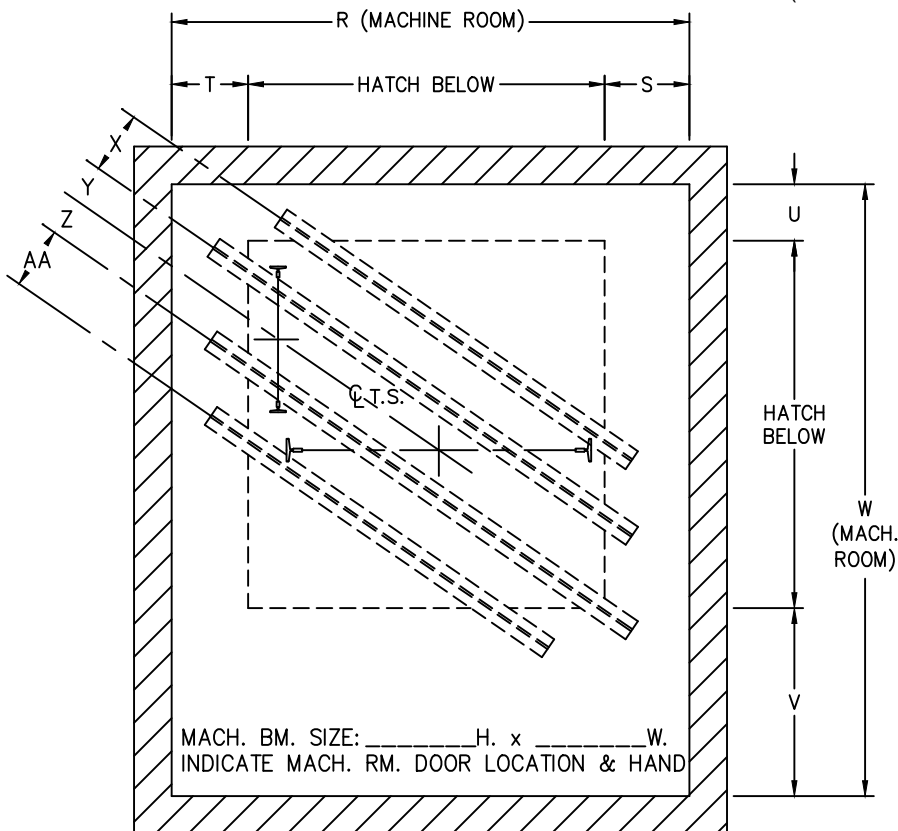


**E-172 EXISTING SHAFT SURVEY (SHT. 4)**

**SINGLE OPENING -  
RIGHT HAND DOOR -  
CWT. ON LEFT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

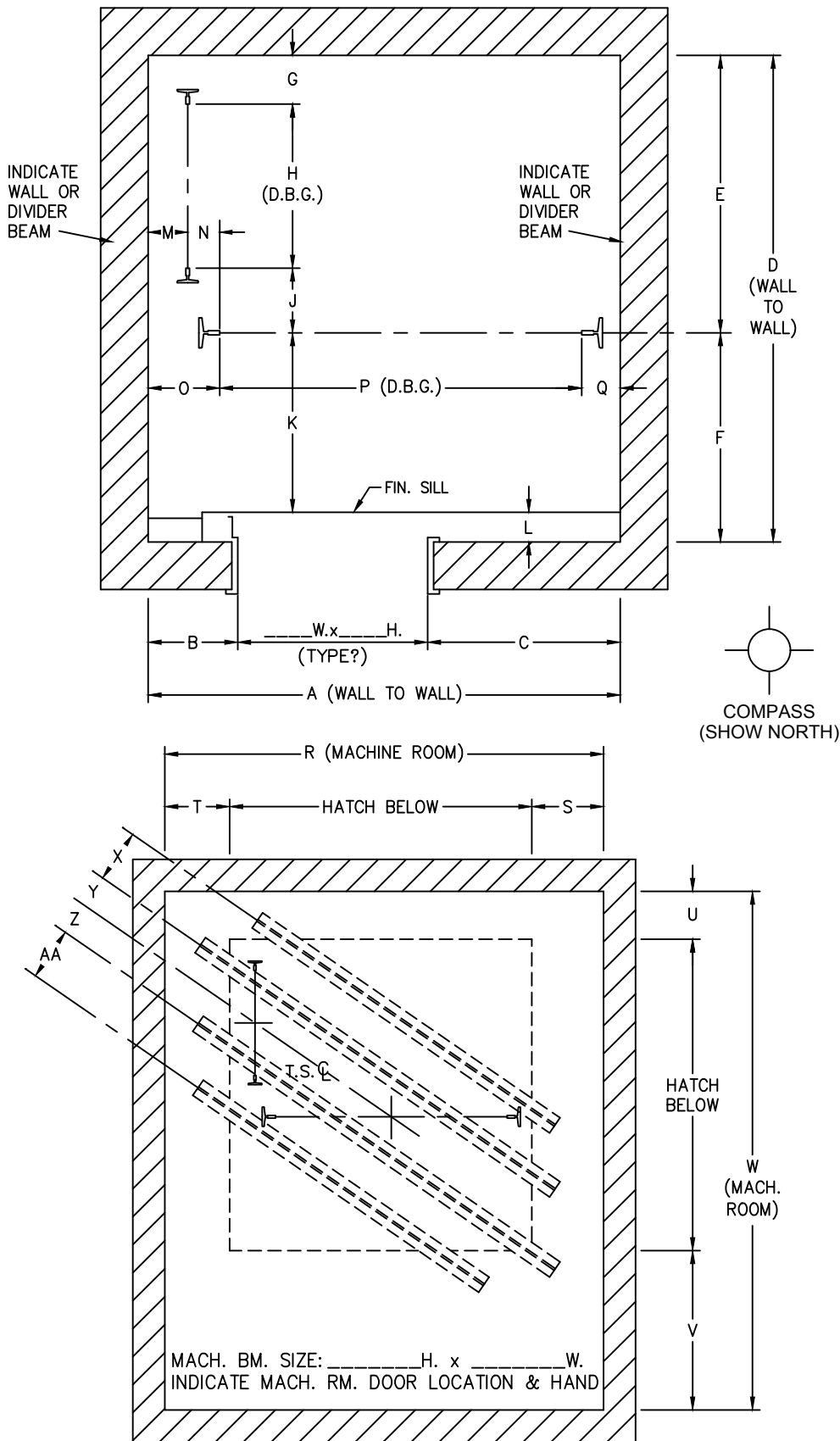
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 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



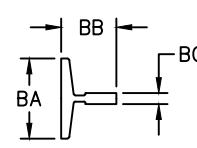
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**E-172 EXISTING SHAFT SURVEY (SHT. 5)**

**SINGLE OPENING -  
LEFT HAND DOOR -  
CWT. ON LEFT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

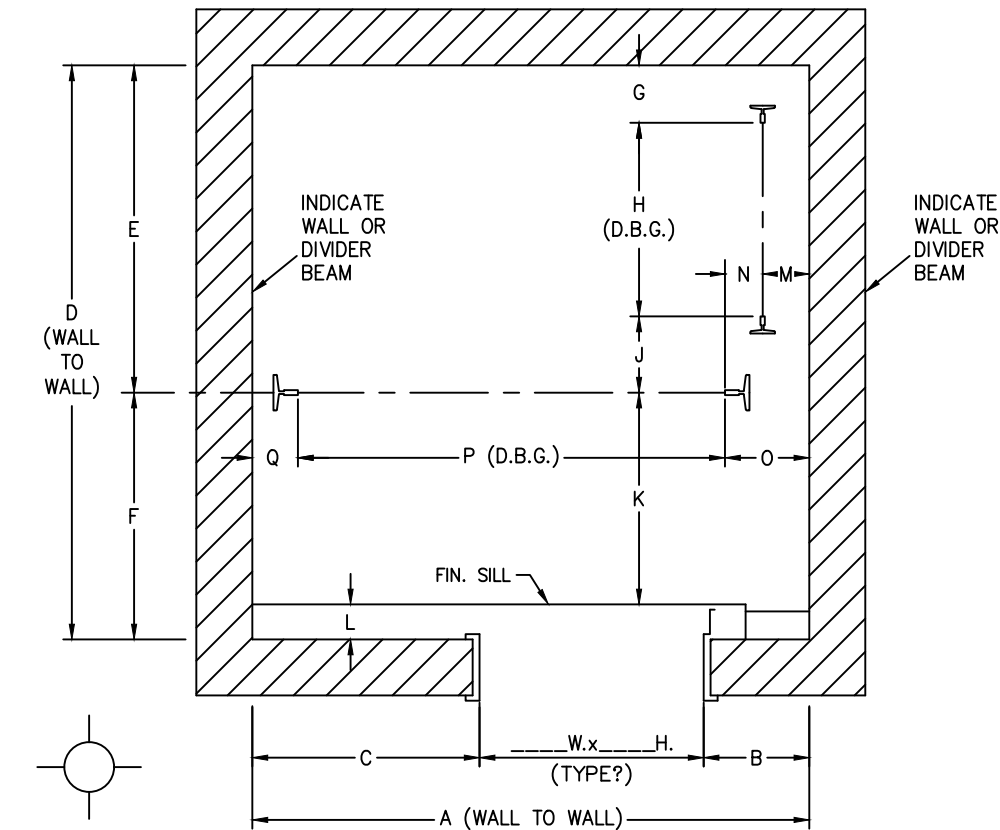
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 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



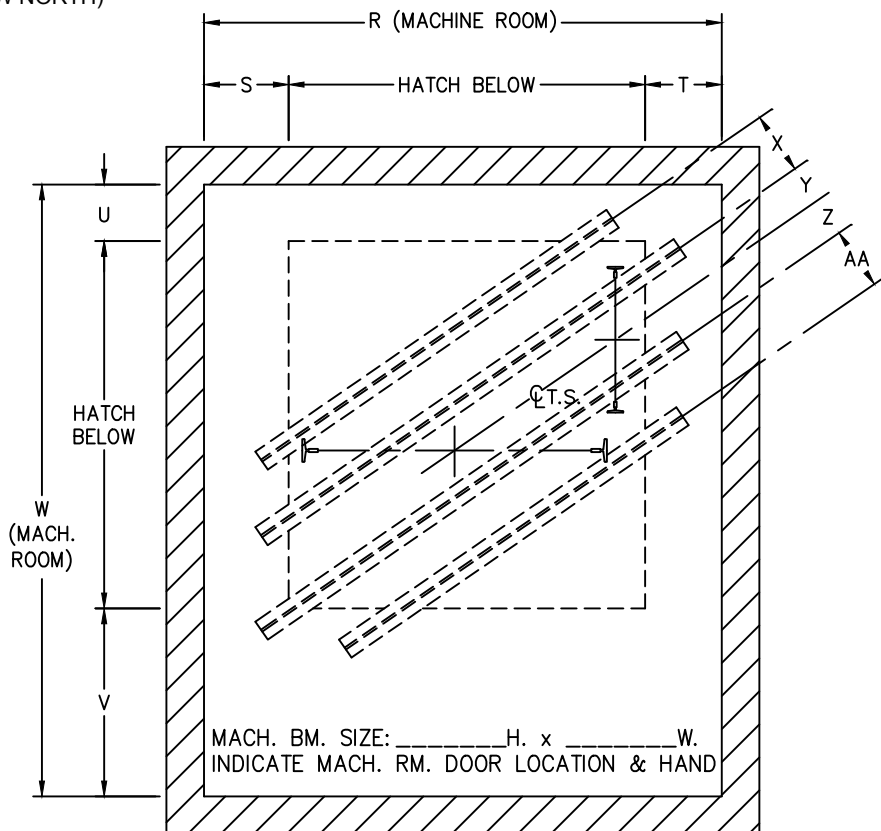
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# E-172 EXISTING SHAFT SURVEY (SHT. 6)

## SINGLE OPENING - RIGHT HAND DOOR - CWT. ON RIGHT



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

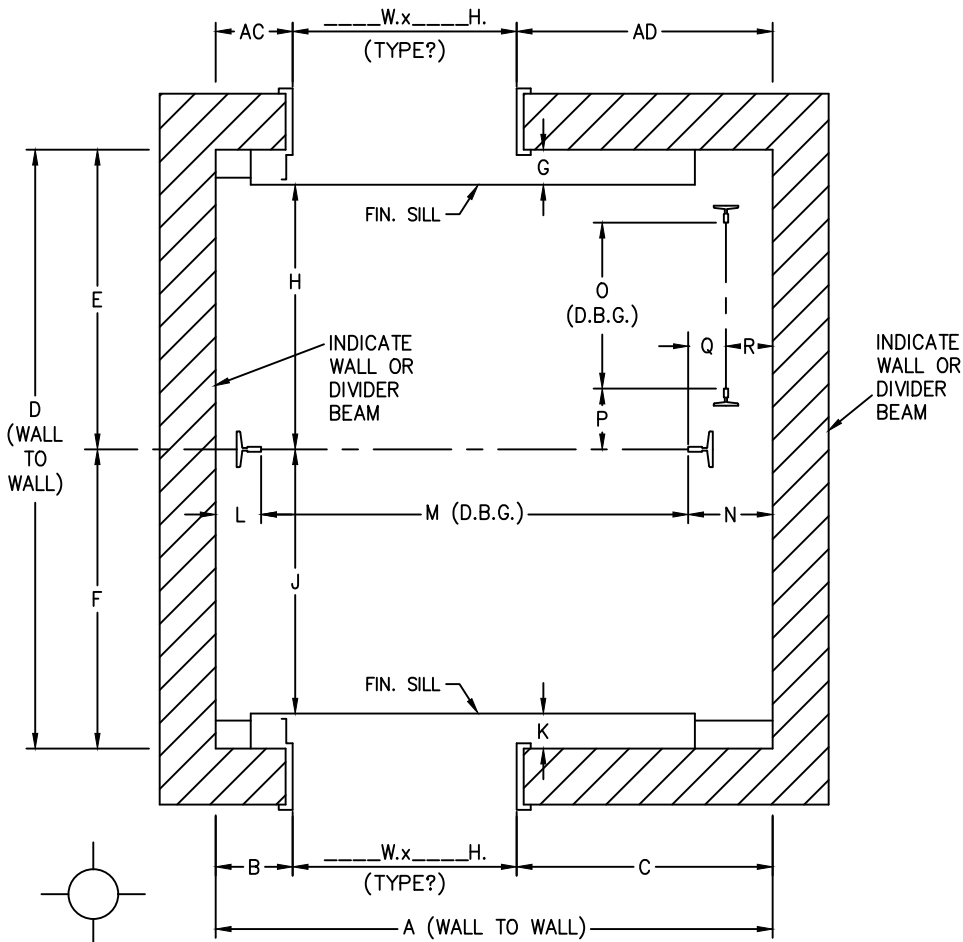
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 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



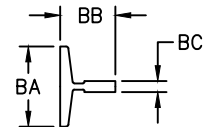
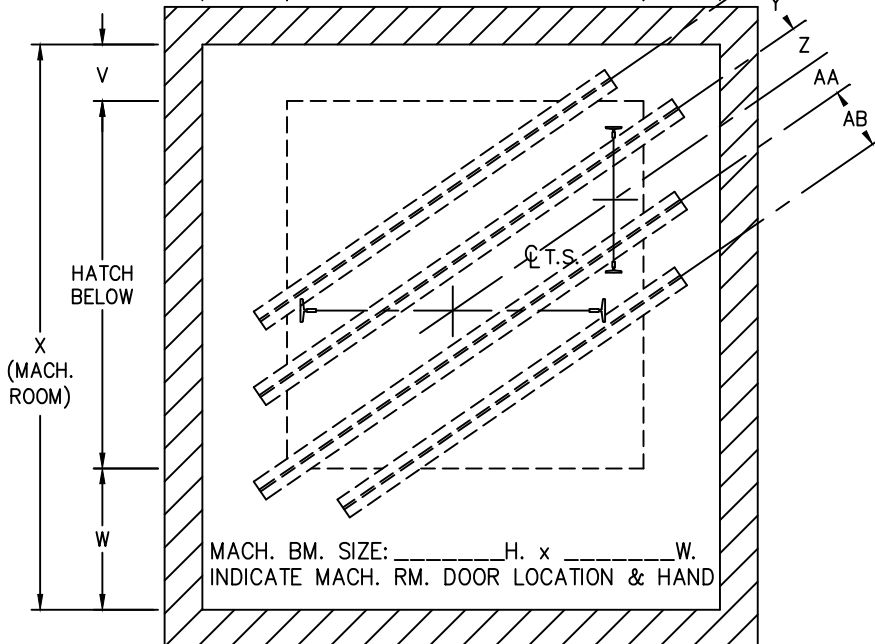
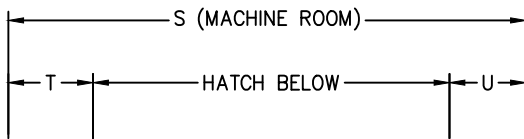
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# E-172 EXISTING SHAFT SURVEY (SHT. 7)

**DOUBLE OPENING -  
LEFT HAND DOOR -  
CWT. ON RIGHT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

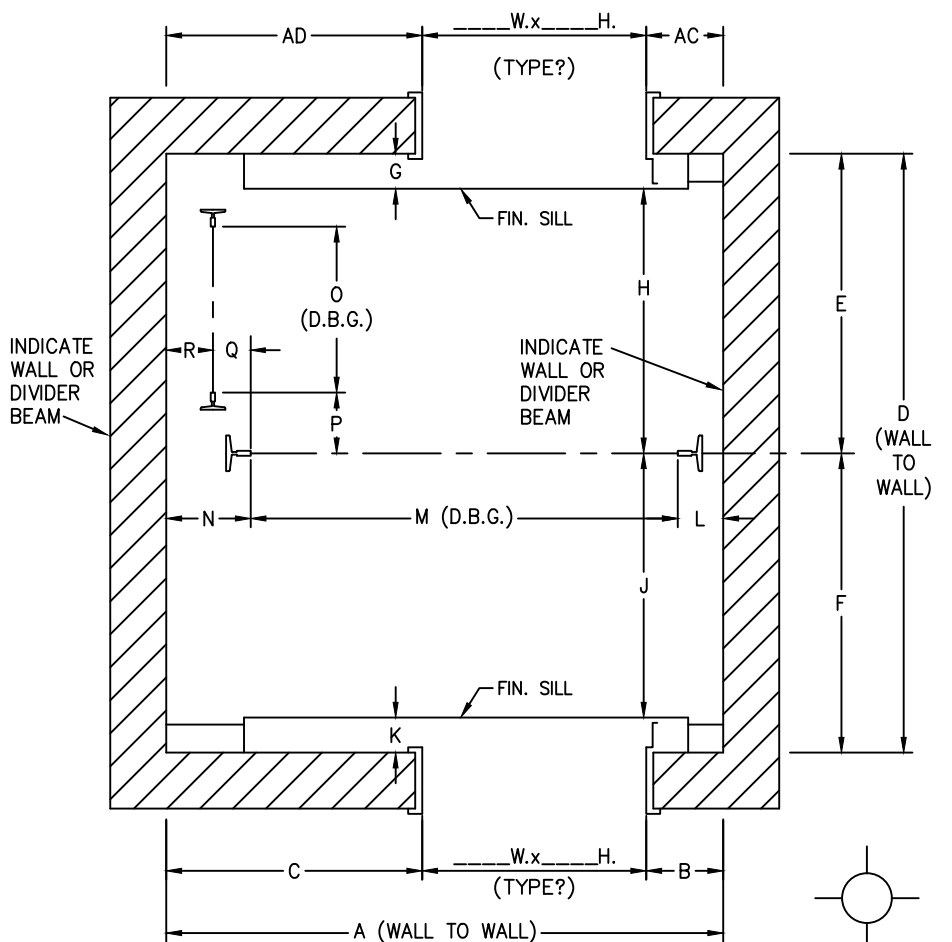
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



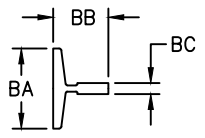
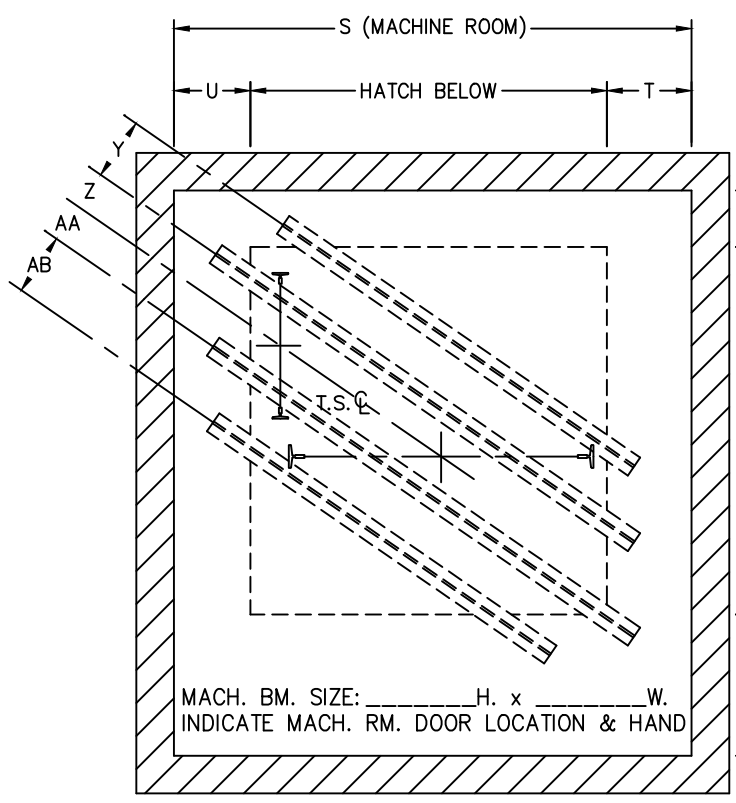
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**E-172 EXISTING SHAFT SURVEY (SHT. 8)**

**DOUBLE OPENING -  
RIGHT HAND DOOR -  
CWT. ON LEFT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. \_\_\_\_\_

JOB NAME \_\_\_\_\_

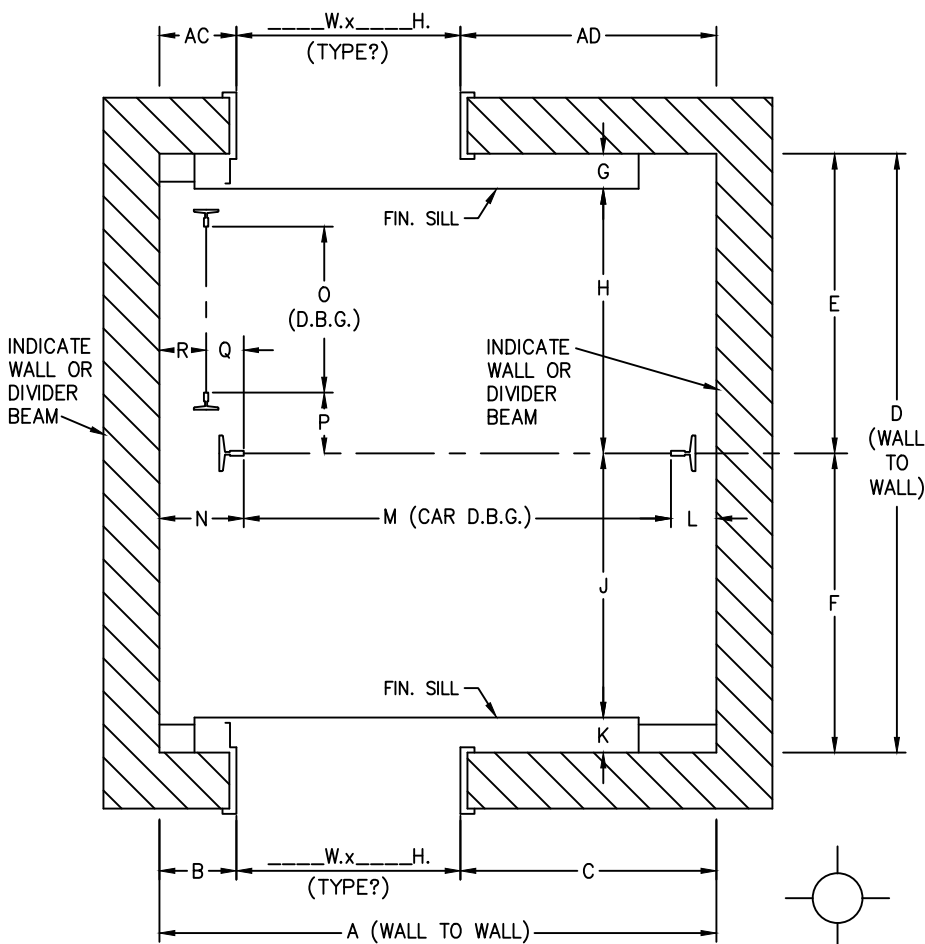
ELEVATOR NO. \_\_\_\_\_

H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



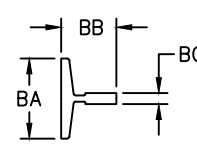
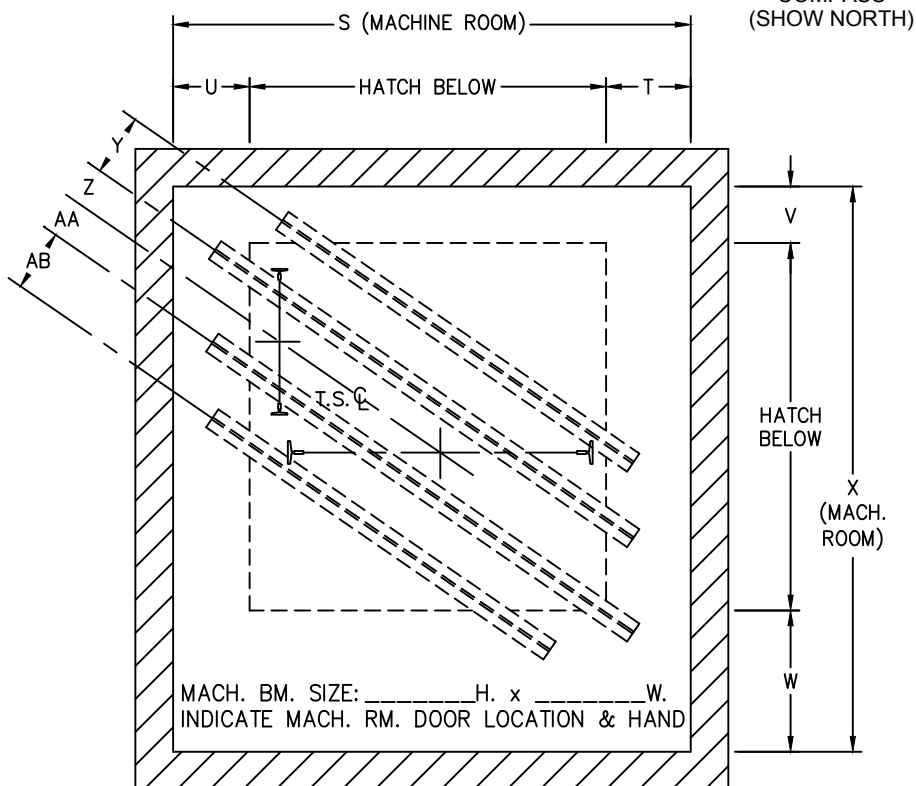
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# E-172 EXISTING SHAFT SURVEY (SHT. 9)



## DOUBLE OPENING - LEFT HAND DOOR - CWT. ON LEFT

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



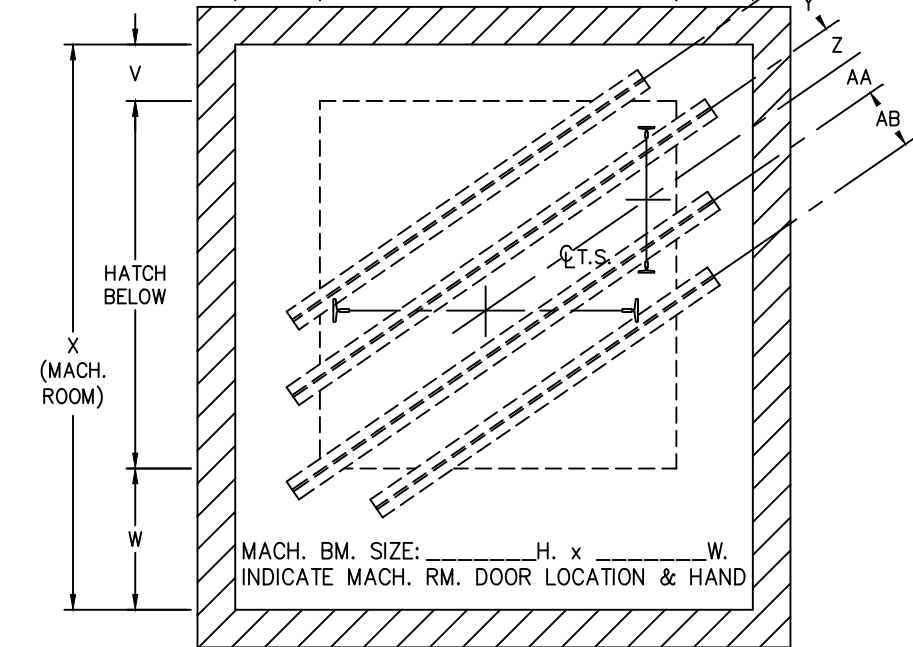
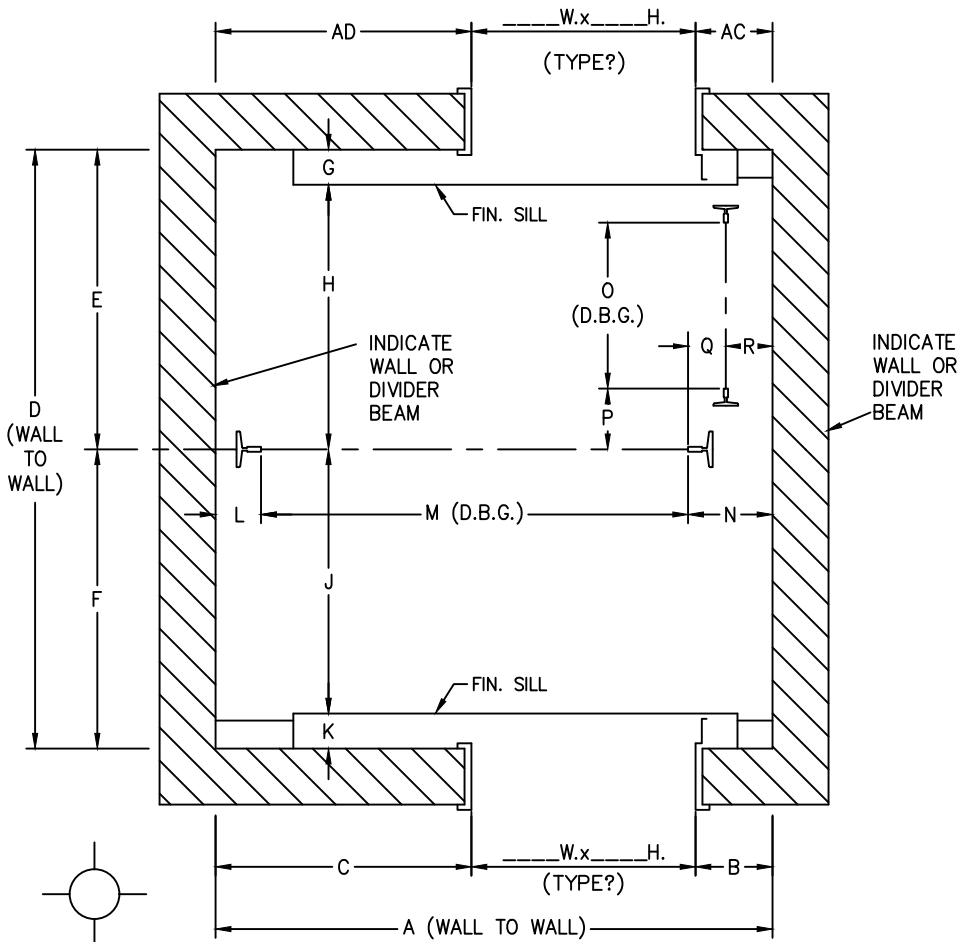
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



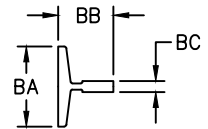
**HOLLISTER-WHITNEY ELEVATOR CORP.**  
 #1 Hollister-Whitney Parkway  
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 Ph. (217)222-0466 Fax (217)222-0493  
 email: layouts@hwec.com

**E-172 EXISTING SHAFT SURVEY (SHT. 10)**



**DOUBLE OPENING -  
RIGHT HAND DOOR -  
CWT. ON RIGHT**

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

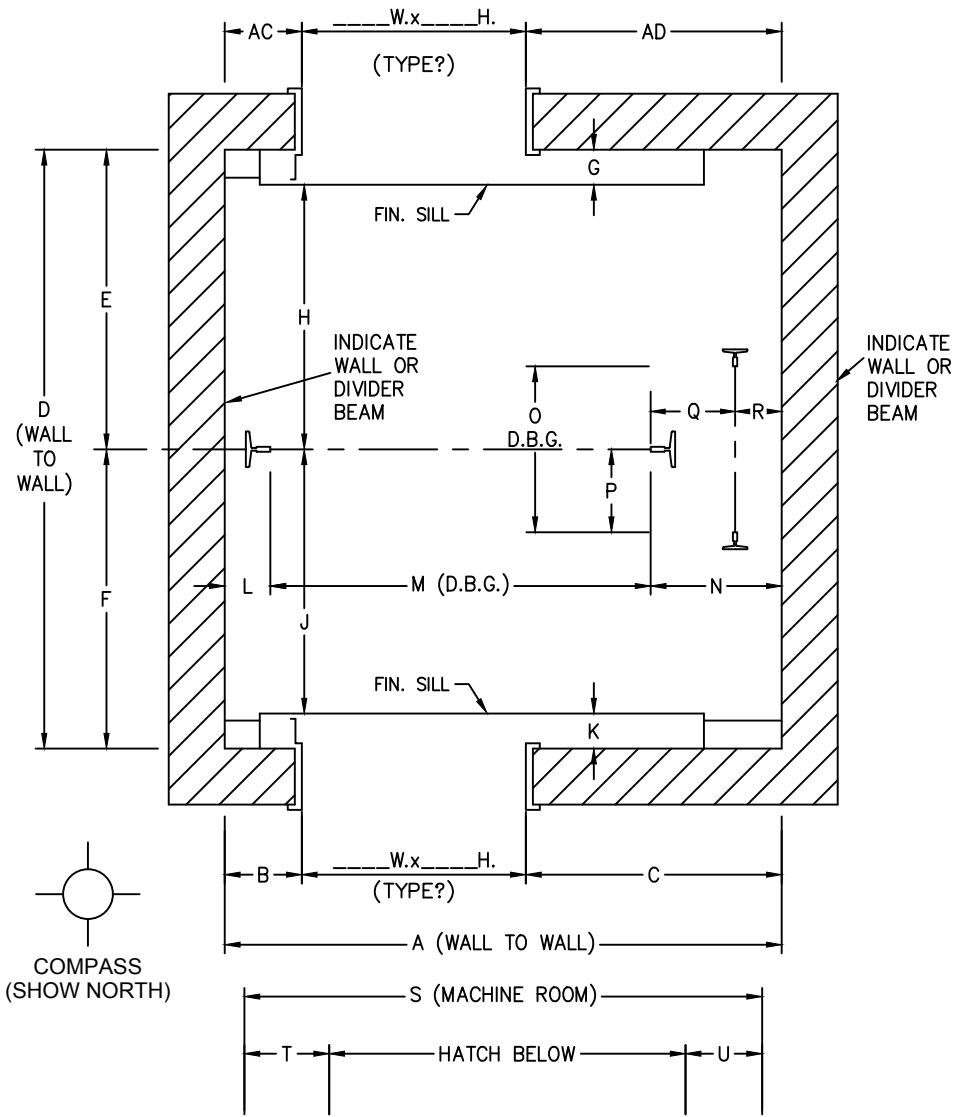
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



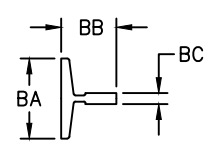
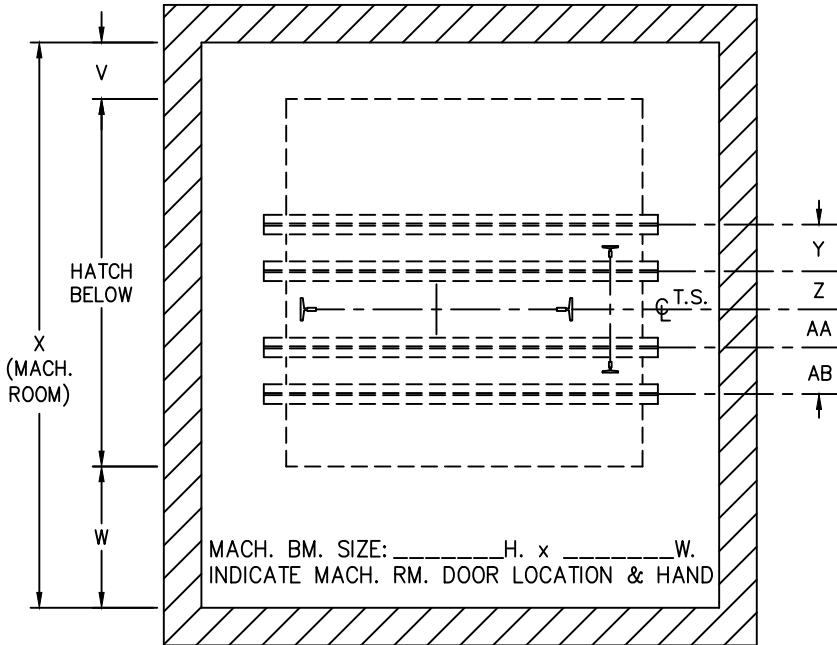
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**E-172 EXISTING SHAFT SURVEY (SHT. 11)**

**DOUBLE OPENING -  
LEFT HAND DOOR -  
CWT. ON RIGHT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_

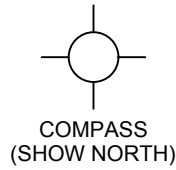
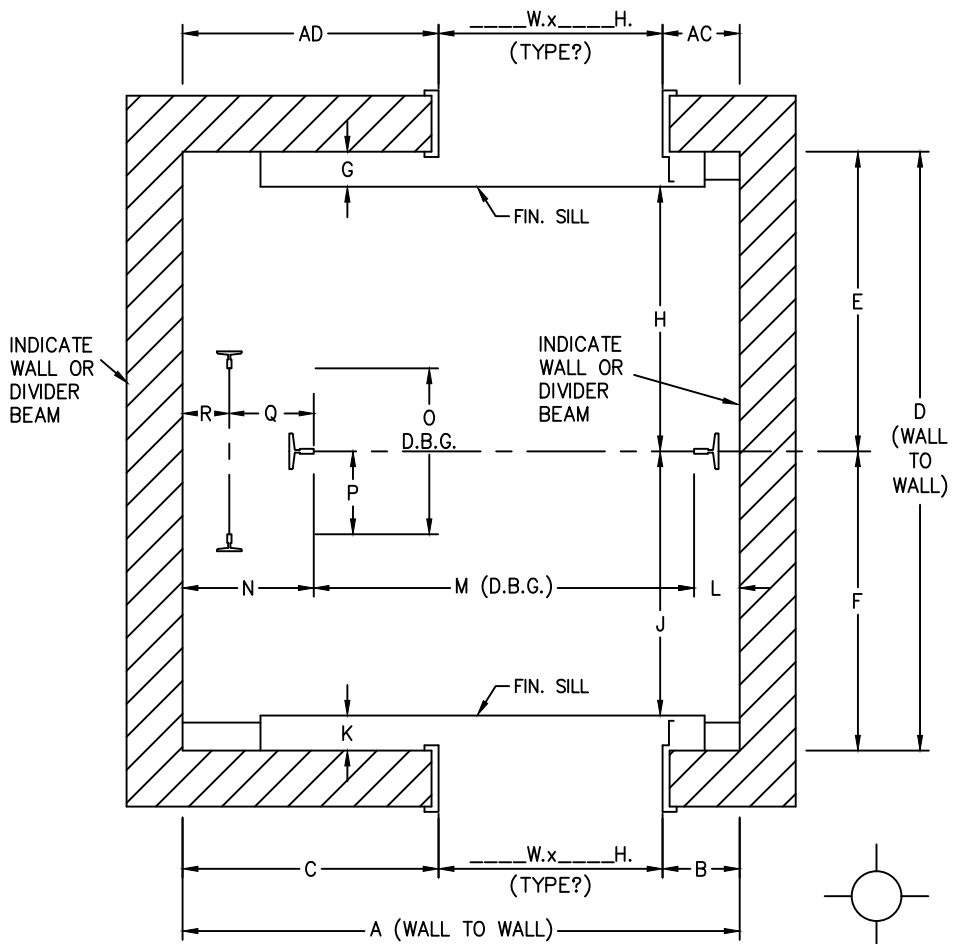


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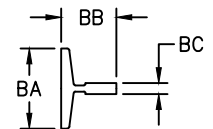
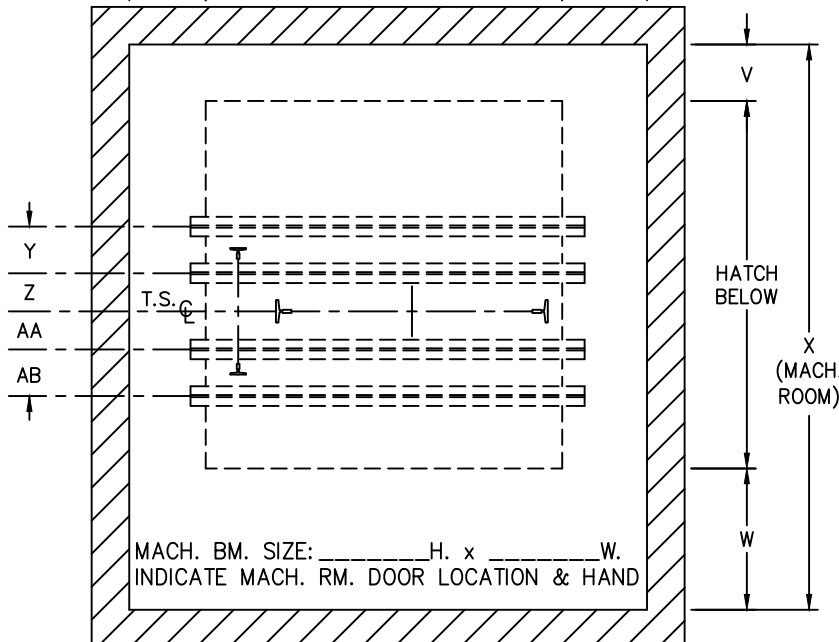
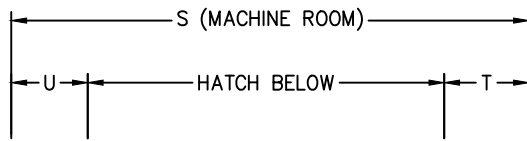


# E-172 EXISTING SHAFT SURVEY (SHT. 12)

## DOUBLE OPENING - RIGHT HAND DOOR - CWT. ON LEFT



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

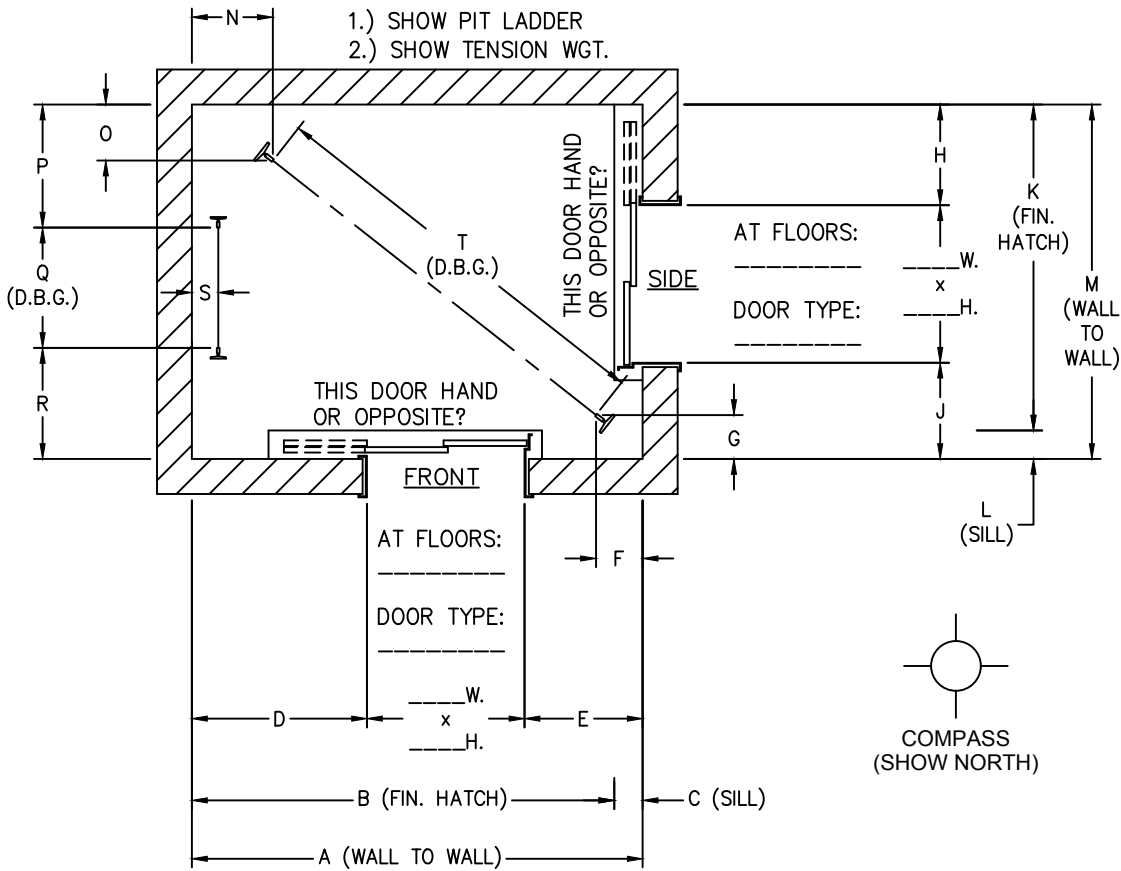
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



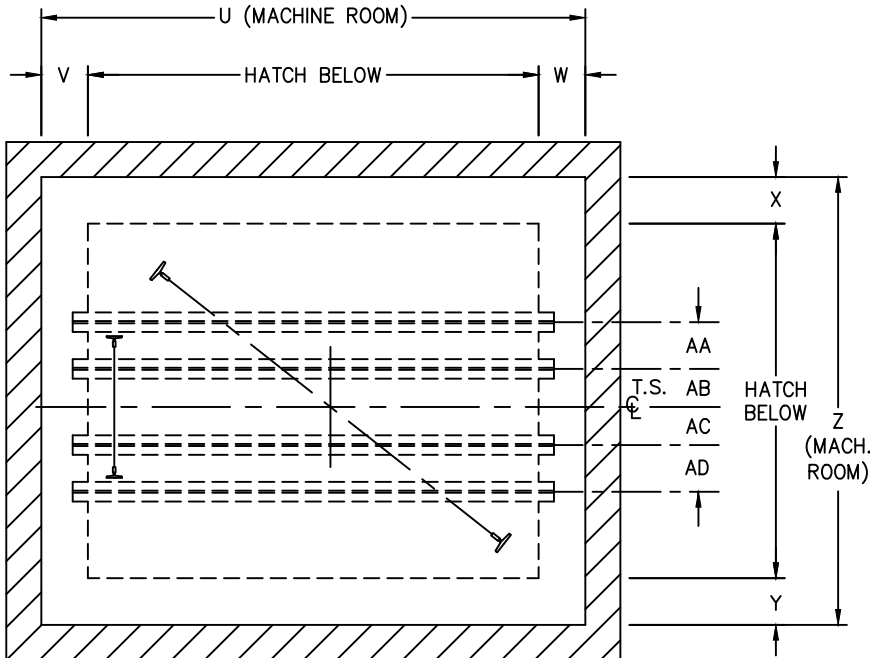
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**E-172 EXISTING SHAFT SURVEY (SHT. 13)**

**CORNERPOST - FRONT AND RIGHT SIDE OPENINGS - CWT. ON LEFT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACH. BM. SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
INDICATE MACH. RM. DOOR LOCATION & HAND

RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_

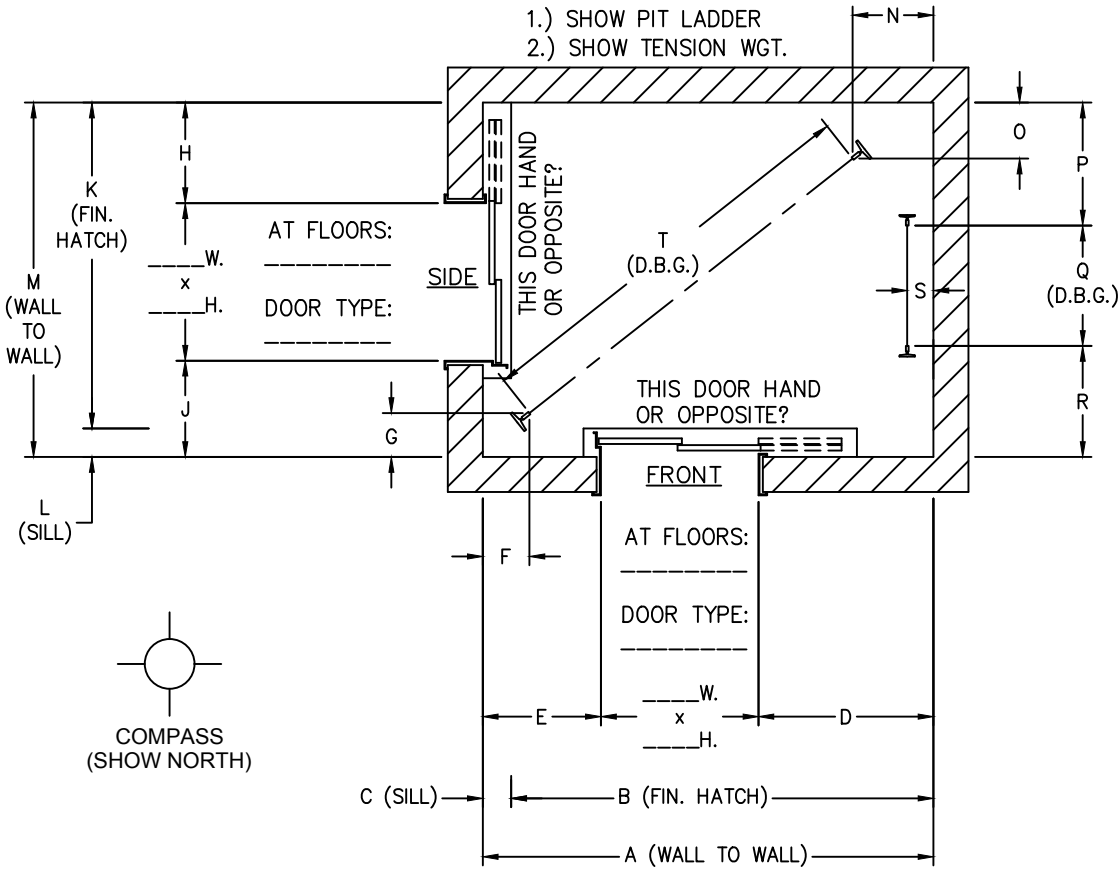


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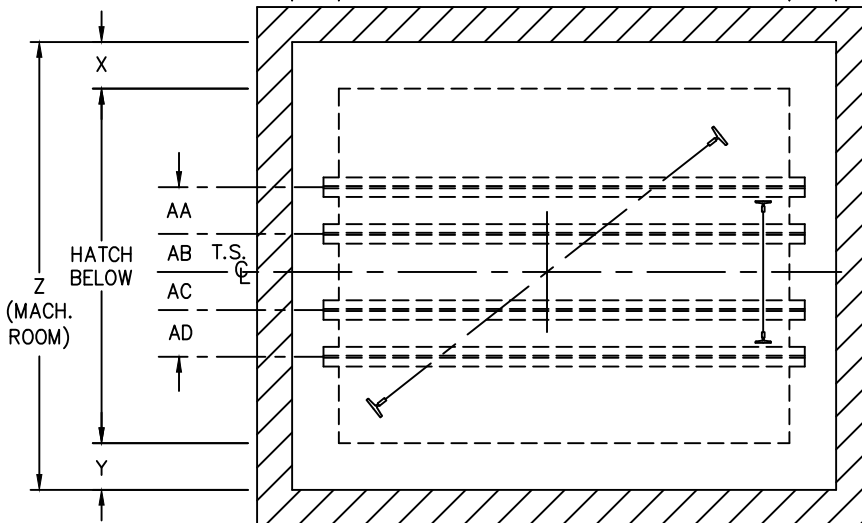
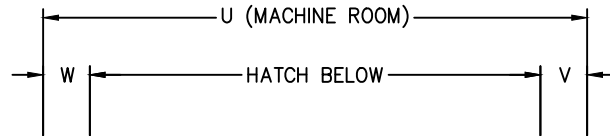
**E-172 EXISTING SHAFT SURVEY (SHT. 14)**

**CORNERPOST - FRONT AND LEFT SIDE OPENINGS - CWT. ON RIGHT**

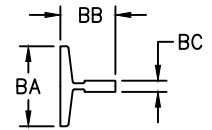
- 1.) SHOW PIT LADDER
- 2.) SHOW TENSION WGT.



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
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O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACH. BM. SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
INDICATE MACH. RM. DOOR LOCATION & HAND



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

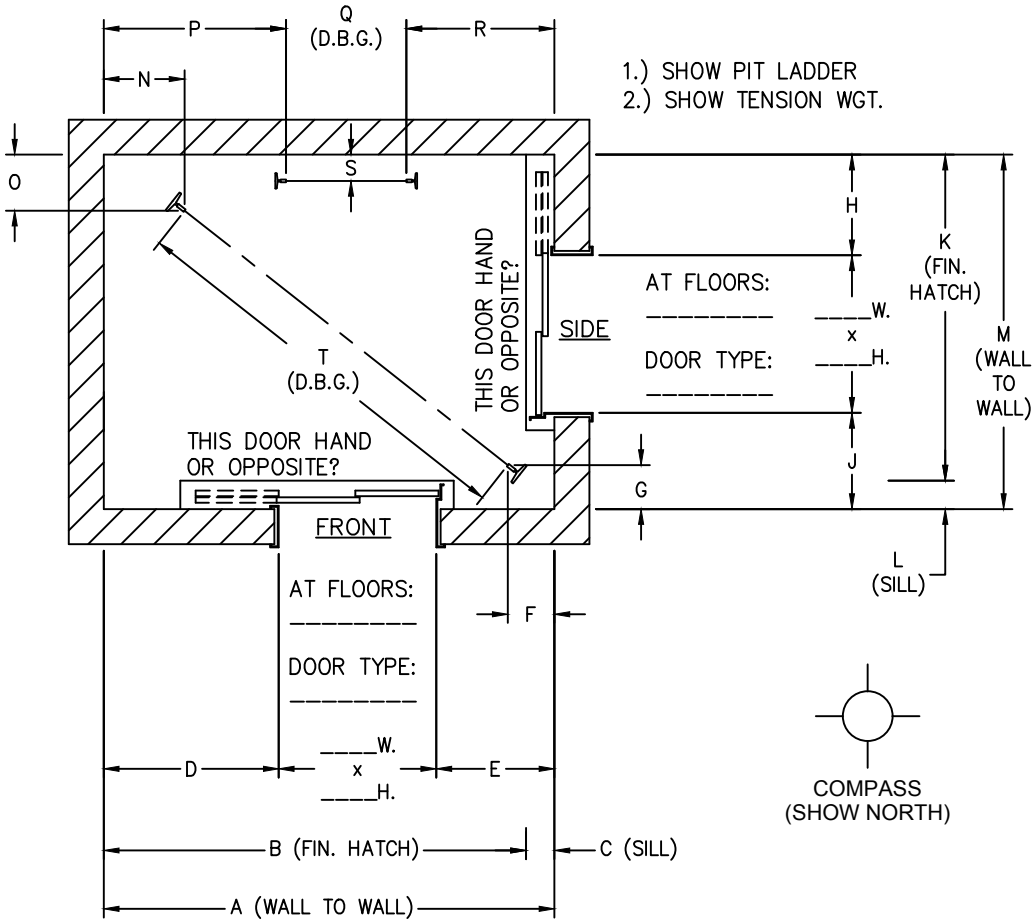
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



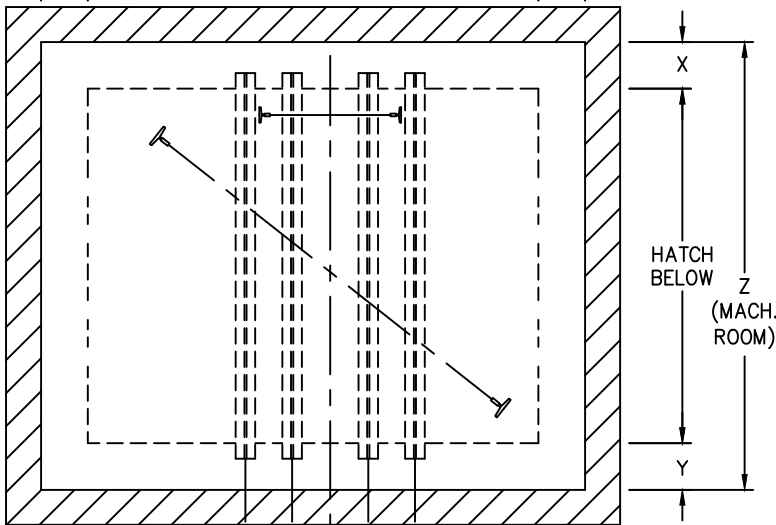
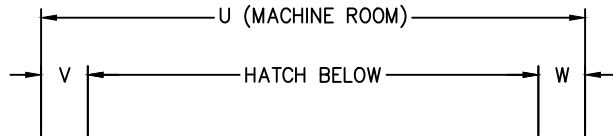
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**E-172 EXISTING SHAFT SURVEY (SHT. 15)**

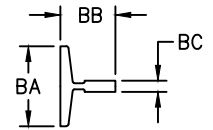
**CORNERPOST - FRONT AND RIGHT SIDE OPENINGS - CWT. AT REAR**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACH. BM. SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
INDICATE MACH. RM. DOOR LOCATION & HAND



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

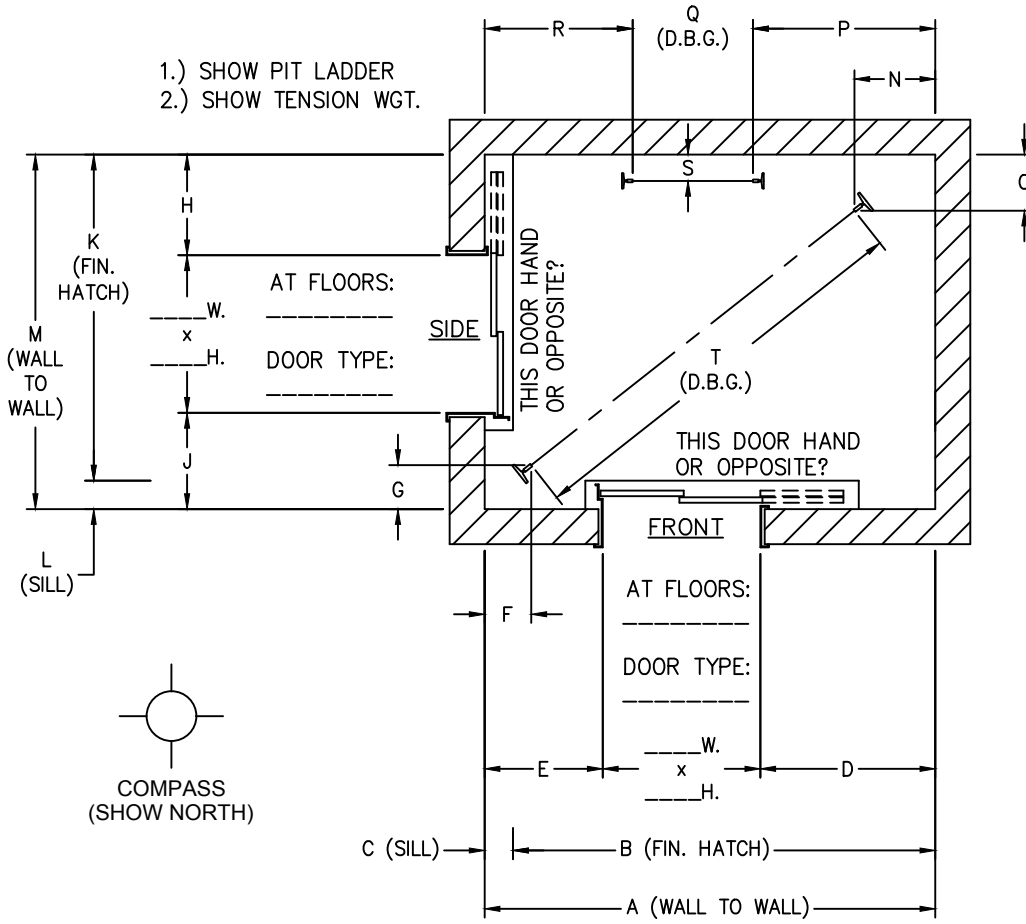
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



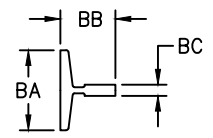
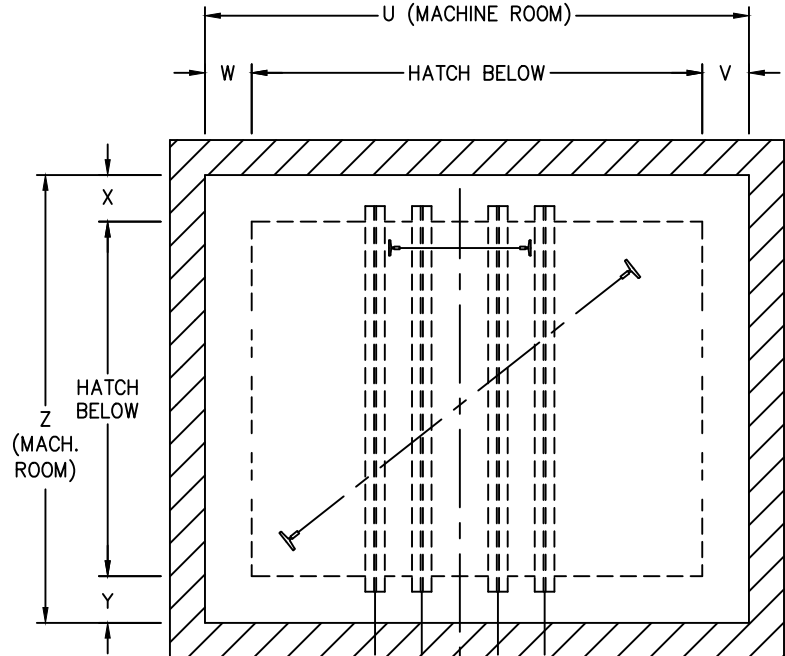
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**E-172 EXISTING SHAFT SURVEY (SHT. 16)**

**CORNERPOST - FRONT AND LEFT SIDE OPENINGS - CWT. AT REAR**

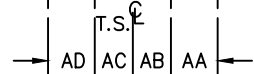


DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

MACH. BM. SIZE: \_\_\_\_\_H. x \_\_\_\_\_W.  
INDICATE MACH. RM. DOOR LOCATION & HAND



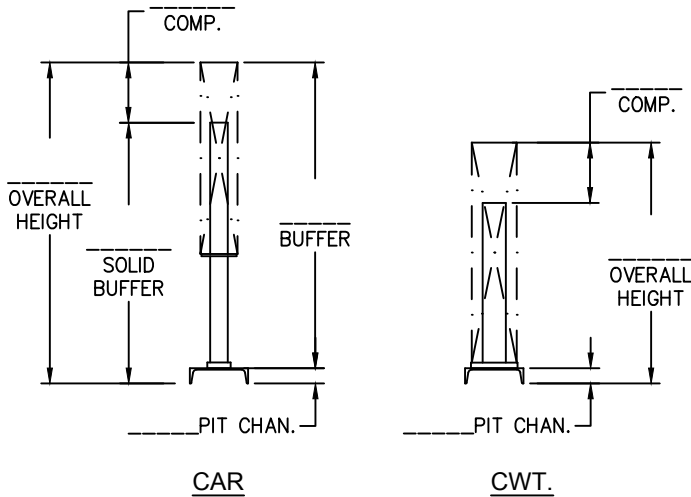
ELEV. CONTR. \_\_\_\_\_  
JOB NAME \_\_\_\_\_  
ELEVATOR NO. \_\_\_\_\_  
H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



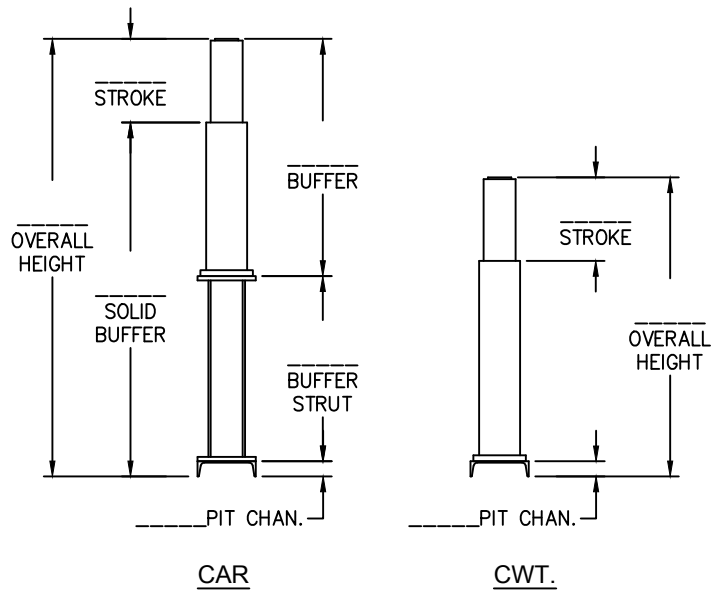
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## E-171 EXISTING EQUIPMENT SURVEY (SHT. 1)

### EXISTING SPRING BUFFERS

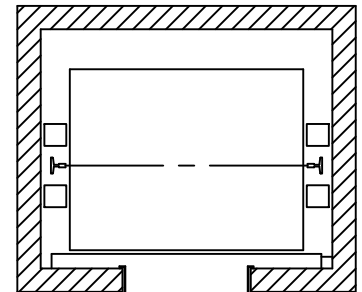
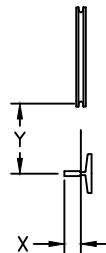


### EXISTING OIL BUFFERS



### EXISTING SAFETY / GOVERNOR / TENSION WGT.

- SAFETY PULL-THRU IN POUNDS? \_\_\_\_\_
- INDICATE QUADRANT FOR GOV./TENSION WGT.
- LOCATION OF SAFETY PICK-UP ARM? X=\_\_\_\_\_ Y=\_\_\_\_\_
- ROPE DIAMETER? \_\_\_\_\_
- RAIL SIZE? \_\_\_\_\_
- STILE CHANNEL SIZE? \_\_\_\_\_



1. INDICATE QUADRANT FOR GOVERNOR/TENSION WEIGHT.
2. INDICATE IF GOVERNOR FACES OUTWARD.

### EXISTING MACHINE / SHEAVES

- HOIST ROPES: QUANTITY \_\_\_\_\_ DIAMETER \_\_\_\_\_
- PITCH OF HOIST ROPES? (€ TO € OF GROOVES ON FACE OF TRACTION SHEAVE): \_\_\_\_\_
- HAND OF MACHINE? (STANDING AT MOTOR END, WHICH SIDE IS T.S. LOCATED ON?) \_\_\_\_\_
- ROPING - 1:1 OR 2:1? \_\_\_\_\_
- DIAMETER OF EXIST. DEFL. SHEAVE? \_\_\_\_\_
- DIAMETER OF EXIST. OVERHEAD SHEAVES? \_\_\_\_\_
- DIAMETER OF EXIST. CAR SHEAVE(S) \_\_\_\_\_
- DIAMETER OF EXIST. CWT. SHEAVE? \_\_\_\_\_

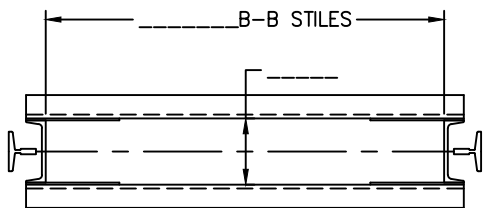
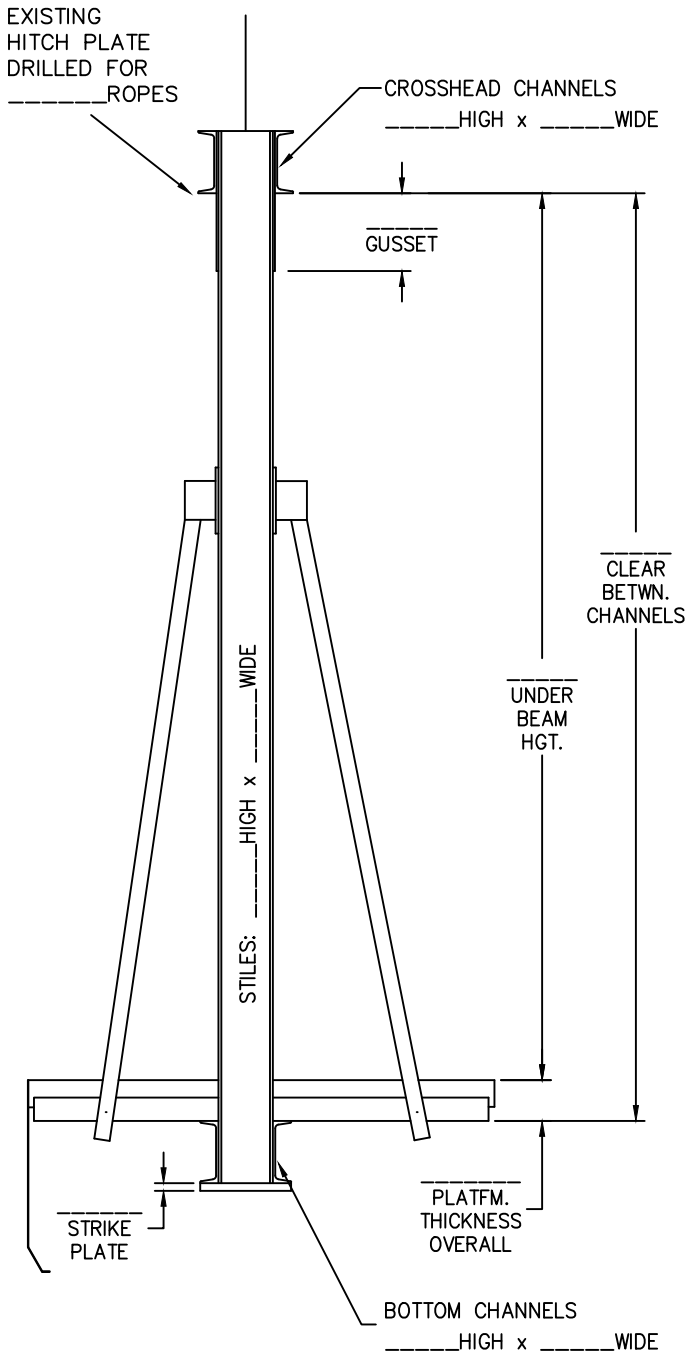
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



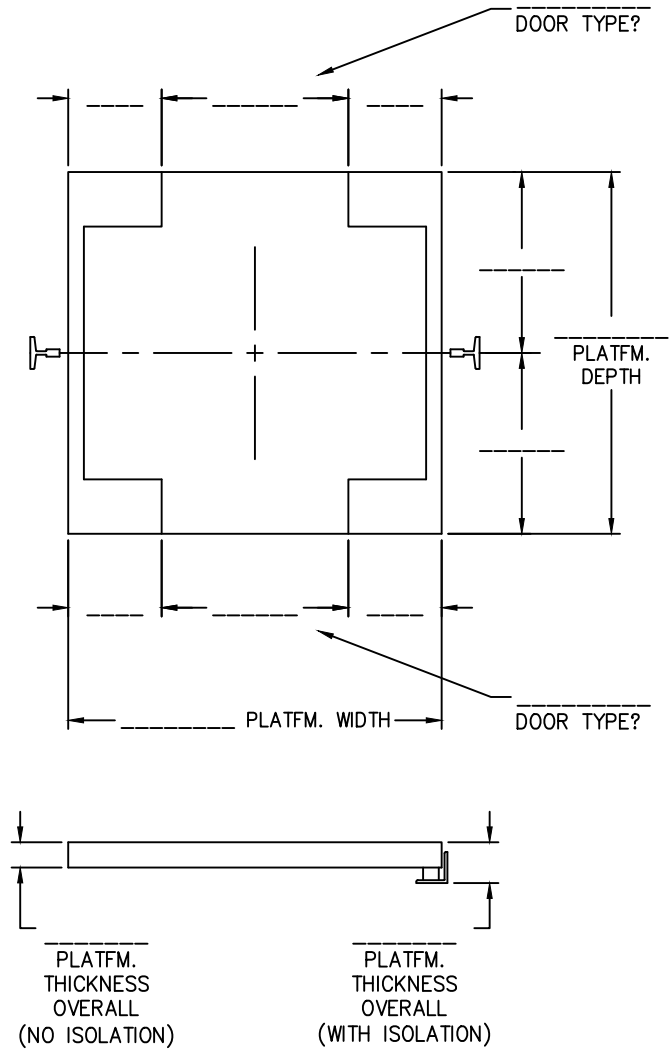
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**E-171 EXISTING EQUIPMENT SURVEY (SHT. 2)**

**EXISTING CAR SLING**



**EXISTING PLATFORM**



**EXISTING WEIGHTS / DUTY**

EXISTING TOTAL EMPTY CAR WEIGHT: \_\_\_\_\_

EXISTING CAPACITY RATING: \_\_\_\_\_

EXISTING LOAD CLASSIFICATION: \_\_\_\_\_  
(PASSENGER OR CLASS A, B, C1, C2, C3)

EXISTING CAR SPEED: \_\_\_\_\_

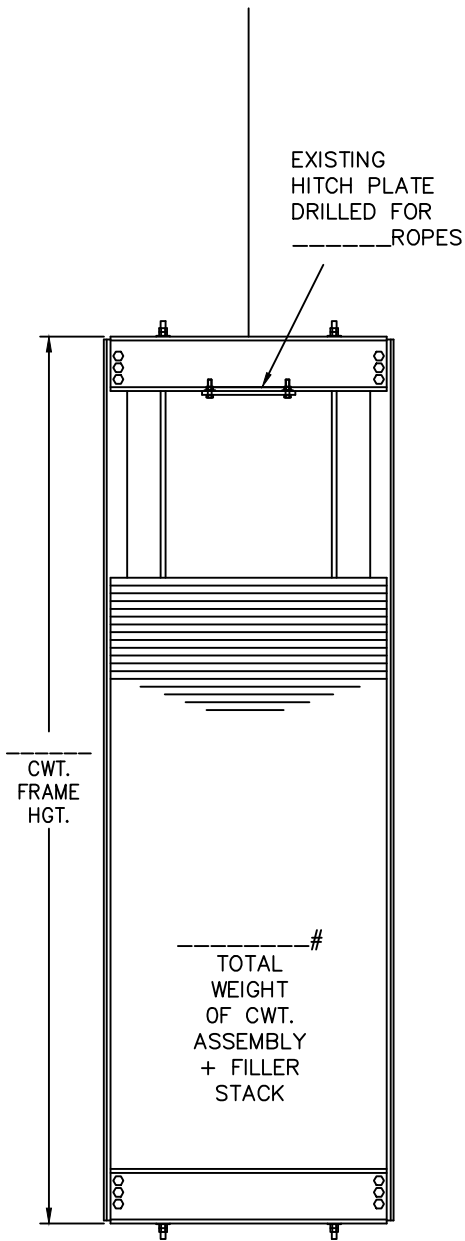
ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



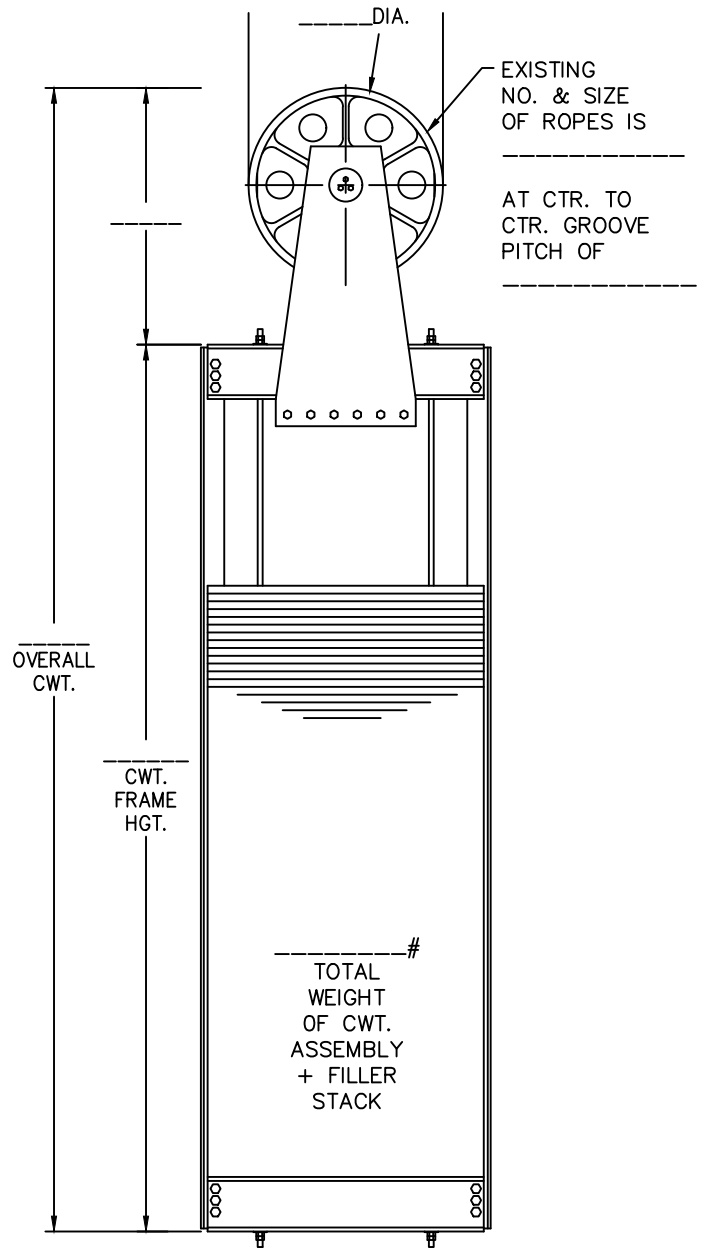
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**E-171 EXISTING EQUIPMENT SURVEY (SHT. 3)**

**EXISTING COUNTERWEIGHT WITHOUT SHEAVE**



**EXISTING COUNTERWEIGHT WITH SHEAVE**



ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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**E-112 ENGINEERING INFORMATION (SHT. 1 OF 4)**

**ENGINEERING INFORMATION:  
WE REQUIRE ALL CHECKED ITEMS**

ENGRG. CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_  
 JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_  
 H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**GEARED MACHINES-  
OVERHEAD APPLICATION**

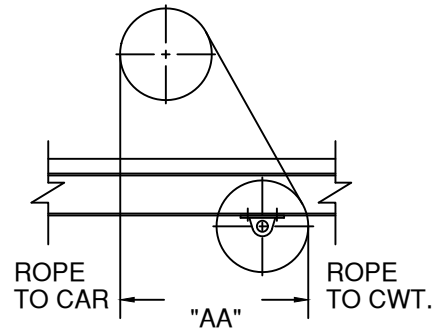
- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- HAND OF MACHINE: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_  
(H-W STANDARD IS 7/8" FOR 1/2" ROPES AND 1" FOR 5/8" ROPES)
- CERTIFIED OUTLINE DIMENSION PRINTS OF MOTOR WITH FULL LOAD R.P.M. INCLUDED
- MOTOR POWER SUPPLY: \_\_\_\_\_ VOLTAGE
- FOR EXISTING MOTORS ONLY, PLEASE FILL IN DIMENSIONS ON ENCLOSED BULL. 1109
- ASME A17 CODE COMPLIANCE TO WHICH YEAR REVISION: \_\_\_\_\_
- SEISMIC ZONE: \_\_\_\_\_
- DO YOU HAVE AN EXISTING DEFLECTOR SHEAVE: \_\_\_\_\_  
 IF NOT, WHAT DIAMETER TRACTION SHEAVE IS REQUIRED: \_\_\_\_\_
- DO THE HOIST ROPES DROP STRAIGHT DOWN TO THE CAR HITCH AS SHOWN IN SKETCH "A"? \_\_\_\_\_
- PROVIDE THE CAR TO CWT. ROPE DROP DISTANCE: \_\_\_\_\_  
(SEE SKETCH "A" - DIM. "AA")

**SHEAVES**

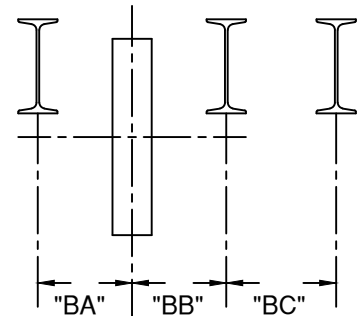
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES: \_\_\_\_\_
- BEAM / CHANNEL SIZE: \_\_\_\_\_" H x \_\_\_\_\_" W
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")
- IF DEFLECTOR MOUNTING IN MACHINE ROOM  
SEE ATTACHED SURVEY E-147

**MACHINE ISOLATION**

- IS FLOOR SLAB EXISTING? \_\_\_\_\_
- FLOOR SLAB THICKNESS: \_\_\_\_\_  
(ABOVE MACHINE BEAMS)
- BEAM / CHANNEL SIZE: \_\_\_\_\_" H x \_\_\_\_\_" W
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")



**SKETCH "A"**



**SKETCH "B"**

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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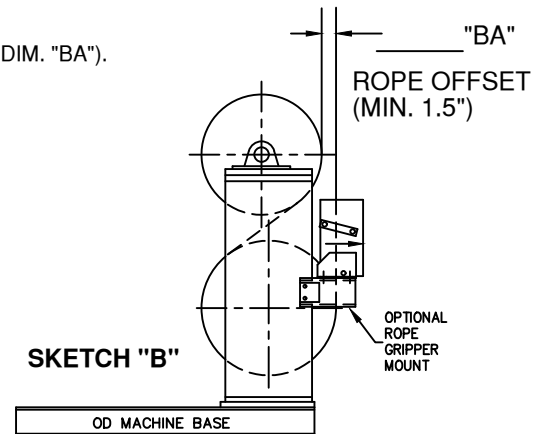
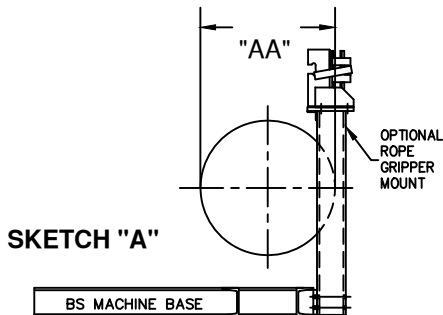
**E-112 ENGINEERING INFORMATION (SHT. 2 OF 4)**

**ENGINEERING INFORMATION:  
WE REQUIRE ALL CHECKED ITEMS**

ENGRG. CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_  
 JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_  
 H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

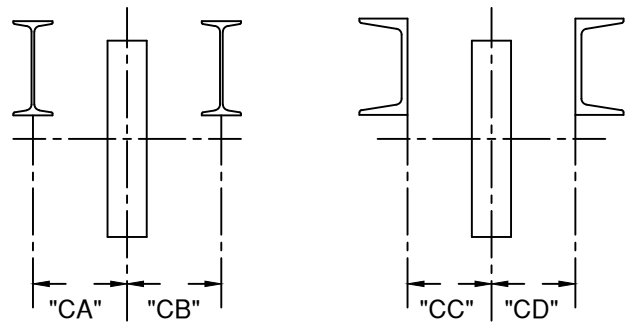
**GEARED MACHINES-  
BASEMENT APPLICATION**

- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- HAND OF MACHINE: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_  
(H-W STANDARD IS 7/8" FOR 1/2" ROPES AND 1" FOR 5/8" ROPES)
- CERTIFIED OUTLINE DIMENSION PRINTS OF MOTOR WITH FULL LOAD R.P.M. INCLUDED
- MOTOR POWER SUPPLY: \_\_\_\_\_ VOLTAGE
- FOR EXISTING MOTORS ONLY, PLEASE FILL IN DIMENSIONS ON ENCLOSED BULL. 1109
- ASME A17 CODE COMPLIANCE TO WHICH YEAR REVISION: \_\_\_\_\_
- SEISMIC ZONE: \_\_\_\_\_
- "BS" BASEMENT MACHINES, WHAT TRACTION SHEAVE DIAMETER IS REQUIRED: \_\_\_\_\_  
(SEE SKETCH "A" - DIM. "AA")
- "OD" BASEMENT MACHINES, PROVIDE ROPE OFFSET (SEE SKETCH "B" - DIM. "BA").
- IS ROPE GRIPPER MOUNTING REQUIRED ON THE MACHINE: \_\_\_\_\_



**SHEAVES (OVERHEAD/CAR/CWT.)**

- QUANTITY: CAR SHVS. \_\_\_\_\_ CWT. SHVS. \_\_\_\_\_
- DIAMETER: CAR SHVS. \_\_\_\_\_ CWT. SHVS. \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_
- HOIST ROPES: SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES: \_\_\_\_\_
- BEAM / CHANNEL SIZE: \_\_\_\_\_" H x \_\_\_\_\_" W
- BEAM SPACING : \_\_\_\_\_  
(SEE SKETCH "C" - DIM. "CA"/ "CB" OR "CC"/ "CD")



ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



**HOLLISTER-WHITNEY ELEVATOR CORP.**  
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**E-112 ENGINEERING INFORMATION (SHT. 3 OF 4)**

**ENGINEERING INFORMATION:  
WE REQUIRE ALL CHECKED ITEMS**

ENGRG. CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_  
 JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_  
 H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**GEARLESS MACHINES-  
OVERHEAD APPLICATION**

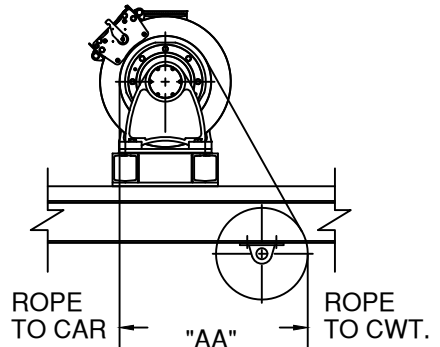
- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_
- ARE YOU RETAINING AN EXISTING DEFLECTOR SHEAVE: \_\_\_\_\_ DIA. \_\_\_\_\_
- IF NOT, WHAT DIAMETER TRACTION SHEAVE IS REQUIRED (15", 20", 25" AVAILABLE): \_\_\_\_\_
- PROVIDE THE CAR TO CWT. ROPE DROP DISTANCE (SEE SKETCH "A" - DIM "AA"): \_\_\_\_\_
- MACHINE POWER SUPPLY: \_\_\_\_\_ VOLTAGE
- CONTROLLER MANUFACTURER: \_\_\_\_\_
- DRIVE MANUFACTURER:  KEB  MAGNETEK  OTHER (CABLE BY CUSTOMER)
- IS MANUAL BRAKE RELEASE CABLE REQUIRED? \_\_\_\_\_ IF SO, SPECIFY LENGTH (STD. IS 8'-0"): \_\_\_\_\_  
 ( IF USING G.A.L. CONTROL, CONFIRM WITH THEM IF BRAKE RELEASE CABLE IS REQUIRED)
- ENCODER CABLE LENGTH (STD. IS 20 METER [65.6'] ): \_\_\_\_\_
- ASME A17 CODE COMPLIANCE TO WHICH YEAR REVISION: \_\_\_\_\_
- SEISMIC ZONE: \_\_\_\_\_

**SHEAVES**

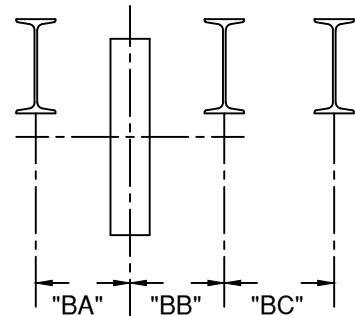
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES: \_\_\_\_\_
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")
- IF DEFLECTOR MOUNTING IN MACHINE ROOM  
SEE ATTACHED SURVEY E-147

**MACHINE ISOLATION**

- IS FLOOR SLAB EXISTING: \_\_\_\_\_
- FLOOR SLAB THICKNESS: \_\_\_\_\_  
(ABOVE MACHINE BEAMS)
- BEAM / CHANNEL SIZE: \_\_\_\_\_ " H x \_\_\_\_\_ " W
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")



**SKETCH "A"**



**SKETCH "B"**

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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**E-112 ENGINEERING INFORMATION (SHT. 4 OF 4)**

**ENGINEERING INFORMATION:  
WE REQUIRE ALL CHECKED ITEMS**

ENGRG. CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_  
 JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_  
 H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**SAFETIES**

- EMPTY CAR WEIGHT: \_\_\_\_\_
- CAPACITY: \_\_\_\_\_
- COMPENSATION WEIGHT(IF APPL.): \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- FACE TO FACE OF GUIDE RAILS: \_\_\_\_\_
- RAIL SIZE (IN LBS.): \_\_\_\_\_
- GOVERNOR LOCATION (SHOW ON SKETCH "D")
- STILE SIZE: \_\_\_\_\_

**GOVERNORS**

- CAR SPEED: \_\_\_\_\_
- TRIPPING SPEED: \_\_\_\_\_
- SHEAVE DIAMETER (12" OR 16"): \_\_\_\_\_
- GOVERNOR ROPE DIAMETER: \_\_\_\_\_
- GOVERNOR PULL-THRU (IN LBS.): \_\_\_\_\_ OR  
 TYPE OF EXIST. SAFETY (DRUM, GRADUAL, ETC.): \_\_\_\_\_
- HAND OR LOCATION (SHOW ON SKETCH "D")

**TENSION WEIGHTS**

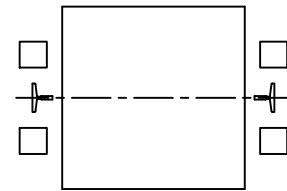
- RAIL SIZE (IN LBS.): \_\_\_\_\_
- SHEAVE DIAMETER (12" OR 16"): \_\_\_\_\_
- GOVERNOR ROPE DIAMETER: \_\_\_\_\_

**SHOES AND PLATES**

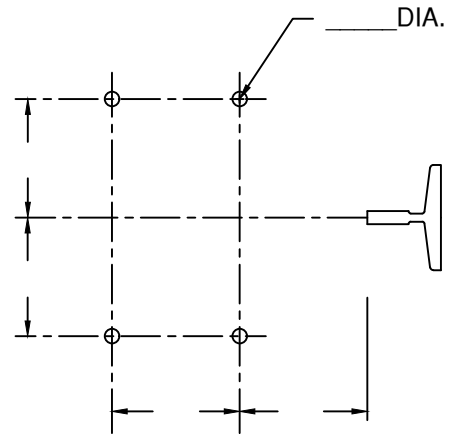
- SHOE TYPE: \_\_\_\_\_ MANUFACTURER: \_\_\_\_\_
- RAIL SIZE (IN LBS.): \_\_\_\_\_
- TEMPLATE (FILL IN ALL DIMS. ON SKETCH "E")

**ROPE GRIPPERS**

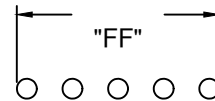
- EMPTY CAR WEIGHT: \_\_\_\_\_
- CAPACITY: \_\_\_\_\_
- COMPENSATION WGT.(IF APPL.): \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- 1: 1 OR 2:1 ROPED: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- OUT-TO-OUT OF HOIST ROPES (SEE SKETCH "F" - DIM. "FF"): \_\_\_\_\_
- GEARED GRIPPER POWER SUPPLY (115V OR 230V): \_\_\_\_\_ V.
- GEARED GRIPPER HAND (LEFT OR RIGHT): \_\_\_\_\_  
 (NOT REQUIRED IF MOUNTED ON OH MACHINE)



FRONT  
SKETCH "D"



SKETCH "E"



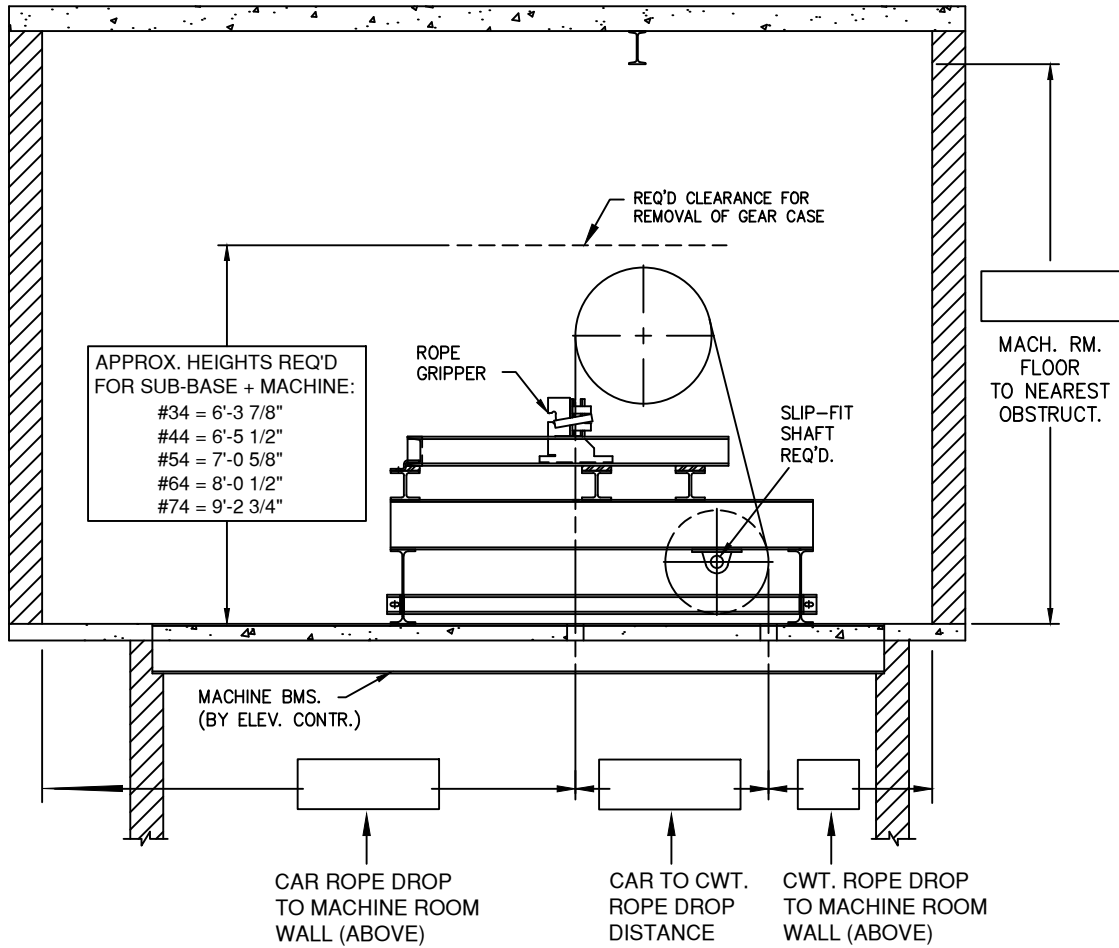
SKETCH "F"

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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**E-147 (SHT. 1) INFO REQUIRED TO MANUFACTURE H-W GEARED MACHINE BLOCK-UP ASSY.**



**INSTRUCTIONS:**

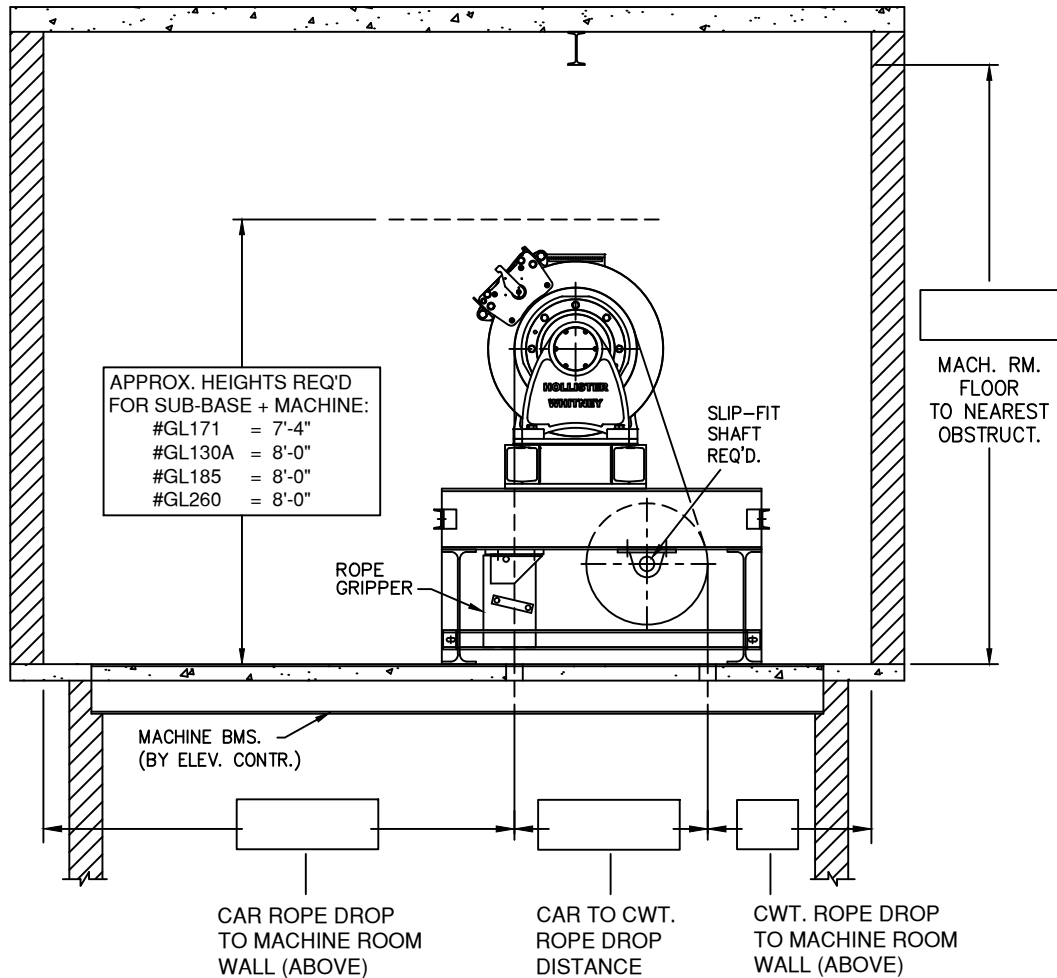
1. FILL IN OPEN DIMENSIONS ABOVE.
2. EMPTY CAR WEIGHT: \_\_\_\_\_
3. PROVIDE MACHINE ROOM PLAN SKETCH.
  - a. SHOW LOCATION OF CAR AND CWT. RAILS.
  - b. PROVIDE MACHINE BEAM SPACING LOCATING CENTERLINE SHEAVE TO CENTERLINE OF MACHINE BEAMS.
  - c. MACHINE BEAM SIZE \_\_\_\_\_ H. x \_\_\_\_\_ W.

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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**E-147 (SHT. 2) INFO REQUIRED TO MANUFACTURE H-W GEARLESS MACHINE BLOCK-UP ASSY.**



**INSTRUCTIONS:**

1. FILL IN OPEN DIMENSIONS ABOVE.
2. EMPTY CAR WEIGHT: \_\_\_\_\_
3. HAND OF BLOCK-UP ASSEMBLY - LEFT OR RIGHT: \_\_\_\_\_  
 RIGHT HAND - DEFLECTOR TO RIGHT OF MACHINE WHEN LOOKING AT TRACTION SHEAVE (AS SHOWN ABOVE)  
 LEFT HAND - DEFLECTOR TO LEFT OF MACHINE WHEN LOOKING AT TRACTION SHEAVE (OPPOSITE OF ABOVE)
4. PROVIDE MACHINE ROOM PLAN SKETCH.
  - a. SHOW LOCATION OF CAR AND CWT. RAILS.
  - b. PROVIDE MACHINE BEAM SPACING LOCATING CENTERLINE SHEAVE TO CENTERLINE OF MACHINE BEAMS.
  - c. MACHINE BEAM SIZE \_\_\_\_\_ H. x \_\_\_\_\_ W.

ELEV. CONTR. \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 ELEVATOR NO. \_\_\_\_\_  
 H-W JOB NO. \_\_\_\_\_ DATE \_\_\_\_\_



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