



*Hollister-Whitney*

ELEVATOR CO. LLC

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***COMPLETE FIELD  
SURVEY BOOKLET***



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## **SURVEY INSTRUCTIONS FOR LAYOUT DRAWING CREATION:**

1. New Installation: layout drawings by H-W 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. Modernizations: layout drawings by H-W 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 the most applicable survey sheets from this booklet. If architectural drawings, structural drawings, or original elevator installation layout drawings are available then please forward. Fill out all applicable information on the enclosed Form E-120-1 or E-120-2, whichever is applicable.
3. The following Shaft Survey forms depict basic arrangements and it may be necessary to include additional sketches for specialized arrangements such as for corner-posts, basement applications, freight applications, 2:1 roping, etc. Use the most applicable survey sheets and supplement with additional sketches as needed. Please note that "Machine Room Only" layouts also require the car/cwt. guide rail locations and shaft location relative to the machine room walls.
4. For multiple car groupings, be sure to label the car number designations on each form and 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.

## **SURVEY INSTRUCTIONS FOR EQUIPMENT FABRICATION:**

1. Fill out the appropriate fabrication surveys for the equipment being ordered.
2. Also fill out shaft survey forms from this booklet if it helps to clarify existing conditions.



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# ***SURVEYS FOR LAYOUT DRAWING CREATION***



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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: _____
- Elevator Code:** List the governing ASME A17.1 Code year revision: \_\_\_\_\_
- Seismic Design Information:** Fill out the applicable data on the separate "Seismic Design Information" sheet.
- 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)
- 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. control. 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 (only):**

1. **MRL Plan Arrangement:** Which Plan arrangement have you chosen from our MRL Design Guide (available online): \_\_\_\_\_
2. **MRL Machine Access Door:** If considering an underslung MRL Plan (101, 111, or 112 with counterweight located at the side), then a machine access door may be 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 (NYC):** Confirm if required to follow NYC Appendix K, which requires a governor access door:  Yes     No
4. **MRL Grating Platform (NYC):** For MRL elevators located in New York City the NYC D.O.B. may require a grating platform in the overhead with 53" minimum clear headroom to facilitate machine maintenance access. The installation of grating will require additional overhead height than what is called for in our MRL Design Guide. Confirm if a grating platform is required:  Yes     No
5. **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.
6. **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 unless you tell us otherwise, Determination of the correct length required is your responsibility. Our standard stock cable length is 8'-0". Other stock lengths available: 15'-0", 20'-0", 25'-0", 30'-0", 40'-0", and 50'-0" (max.). Do you require a manual brake release:  Yes     No    Confirm the cable length: \_\_\_\_\_ ft.

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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.**



LAYOUT DRAWING INFORMATION  
(MACHINE ROOM ONLY - OVERHEAD APPLICATION)

Table with 2 columns: Field Name, Value. Fields include Company, Address, Contact, Phone, Email, Date, Job Name, Job Address, Your PO #, H-W Contract #.

PLEASE PROVIDE THE FOLLOWING:

- 1. 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.
2. Existing Hoistway / Machine Room: For existing elevator construction provide a thorough field survey and/or the original elevator installation layout.
3. Modernization Jobs: For "modernization" jobs indicate sizes and locations of all equipment that is to be retained.
4. Existing Car Being Retained: List the total empty car weight:
5. Governing Codes: List the applicable ASME A17.1 Code year revision:
6. Seismic Risk Zone: Check the applicable seismic zone:
7. Incoming Building Power Supply: Voltage Machine/Controller Power Supply: Voltage
8. Machine: Mfr.: Model: Geared / Gearless (circle one)
9. Hoist Motor (Geared Machine): Mfr.: HP: RPM: Frame Size:
10. Controller: Mfr.: Model No.: Size: W. D. H.
11. Drive Manufacturer (required if H-W is supplying a gearless machine):
12. Jobs with Live Shaft Governor: Standard shaft dia. Is 12 mm if using G.A.L. controls.

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.







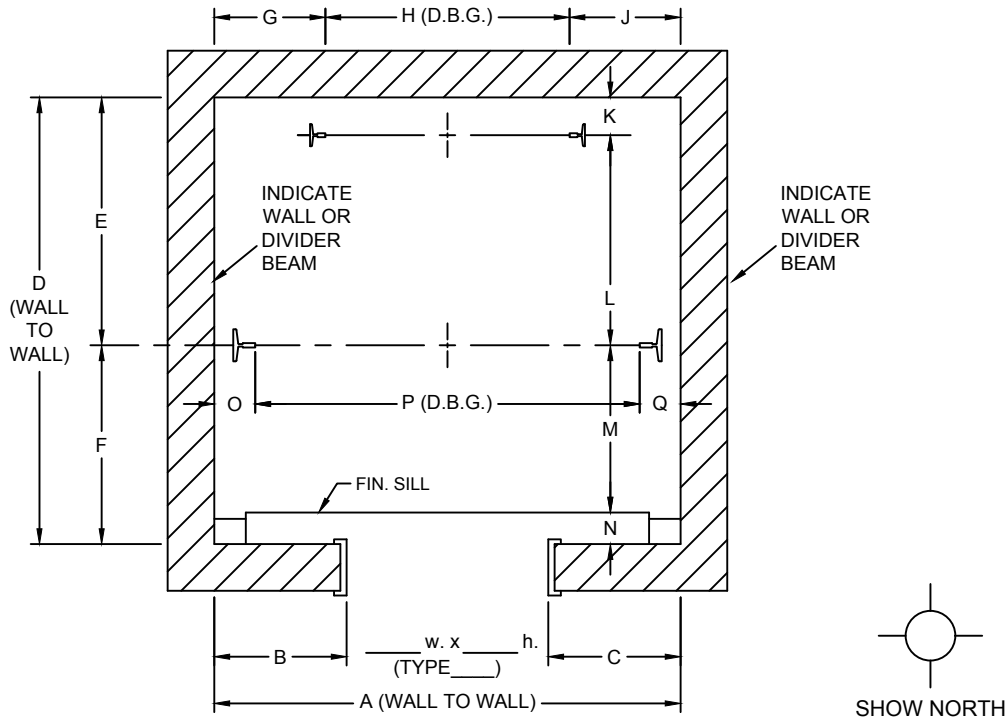
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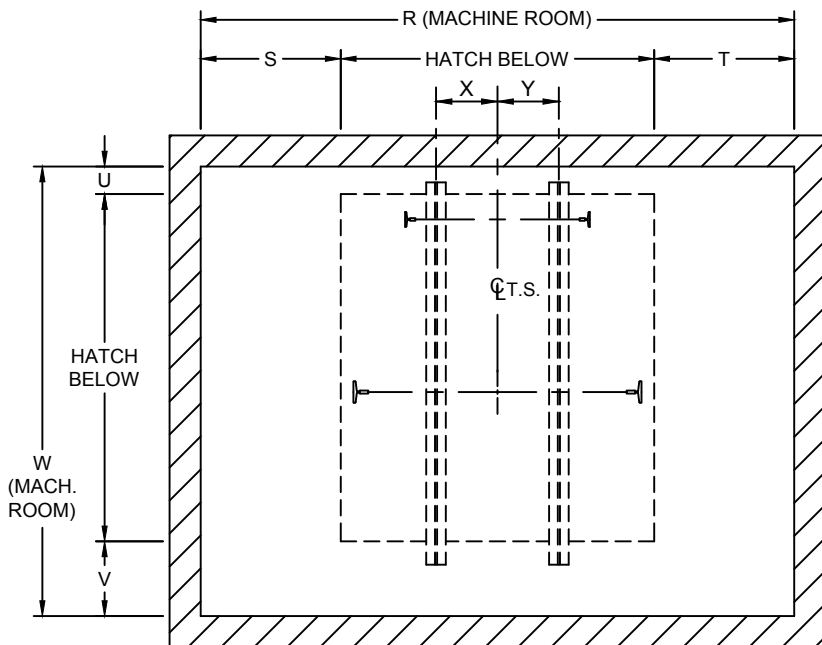
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ENGINEERING CONTACT: \_\_\_\_\_ JOB NAME: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_ DATE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

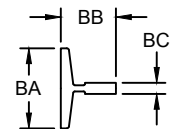
**SINGLE OPENING - CWT. AT REAR**



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	



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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



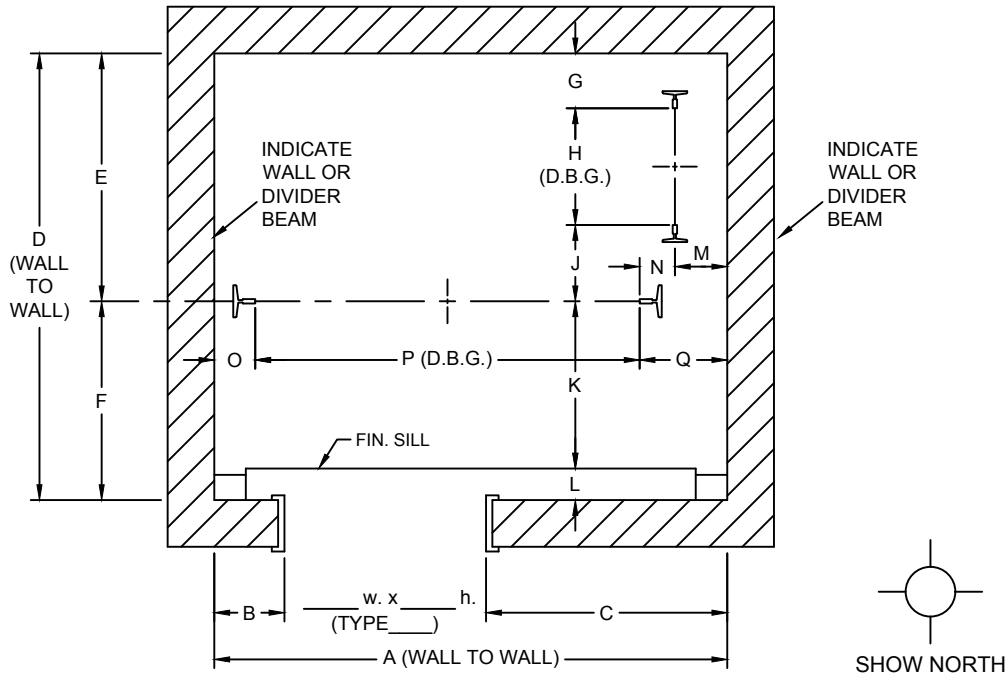
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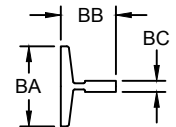
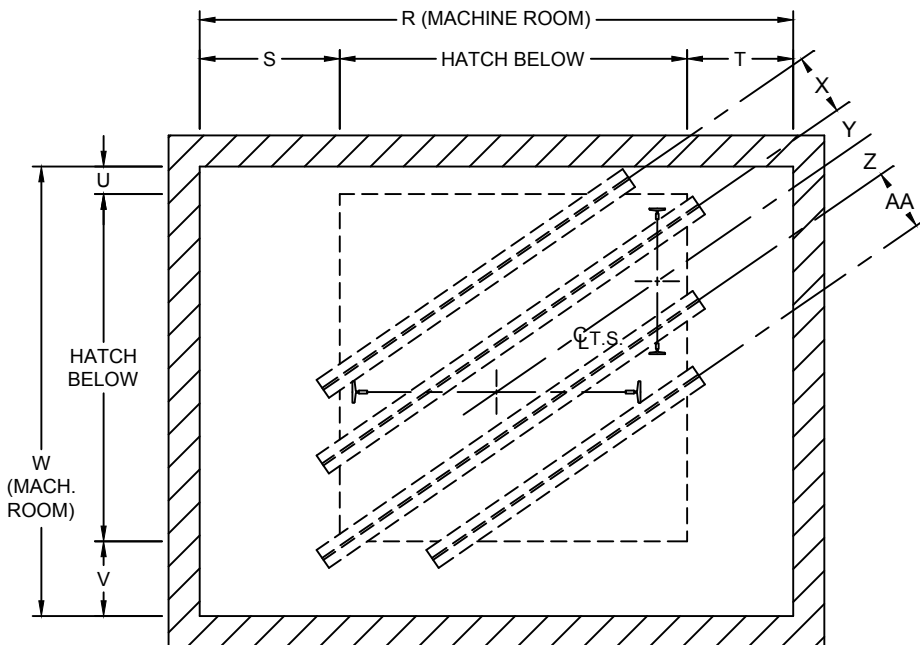
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**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.		

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



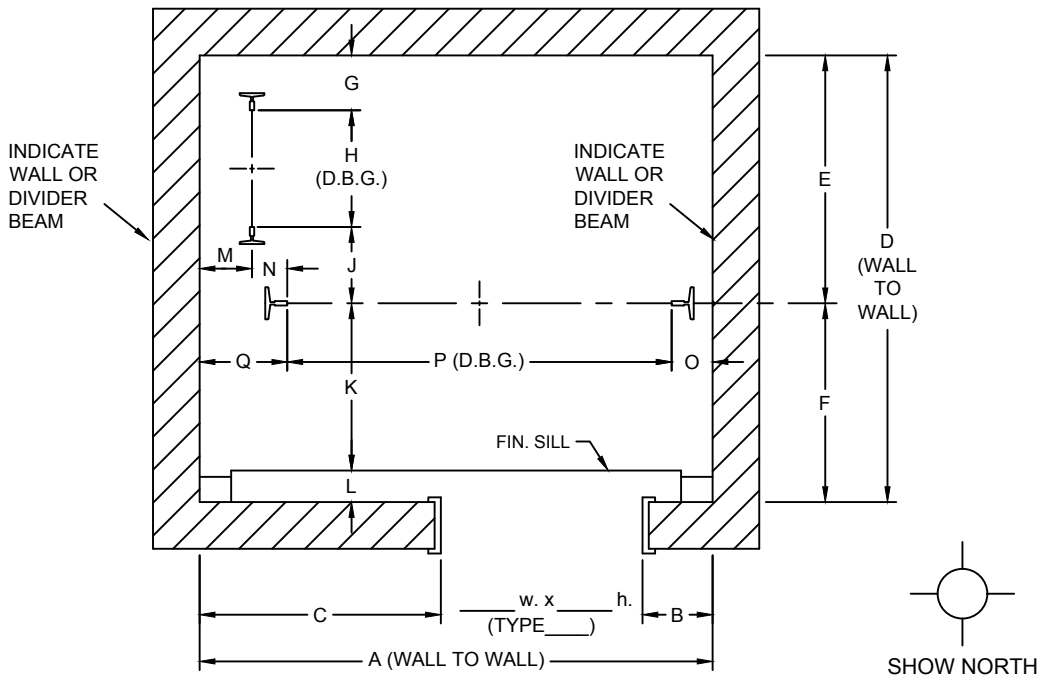
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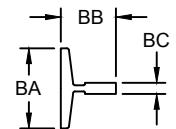
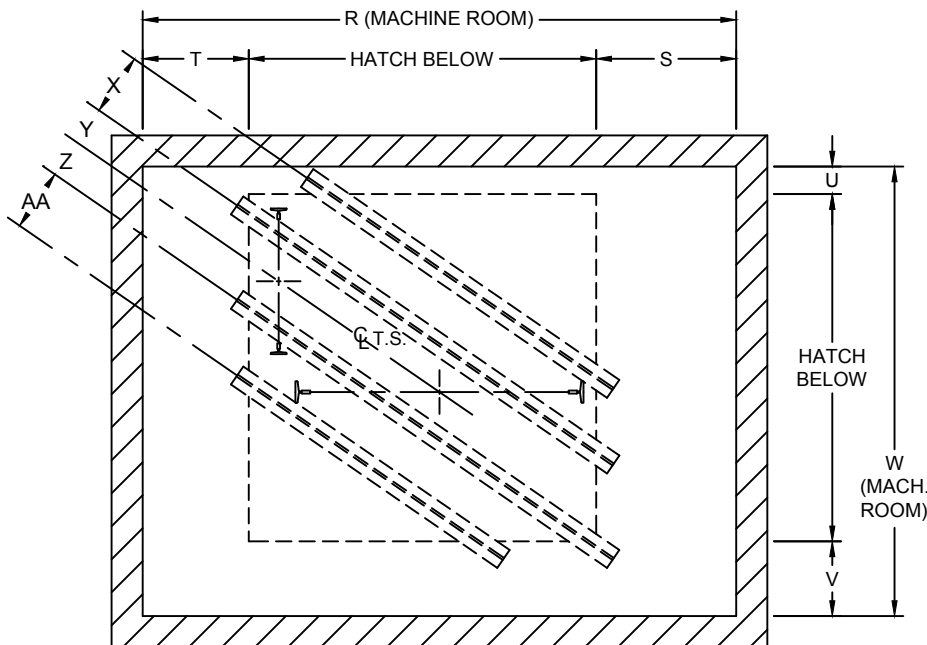
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 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

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



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



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

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



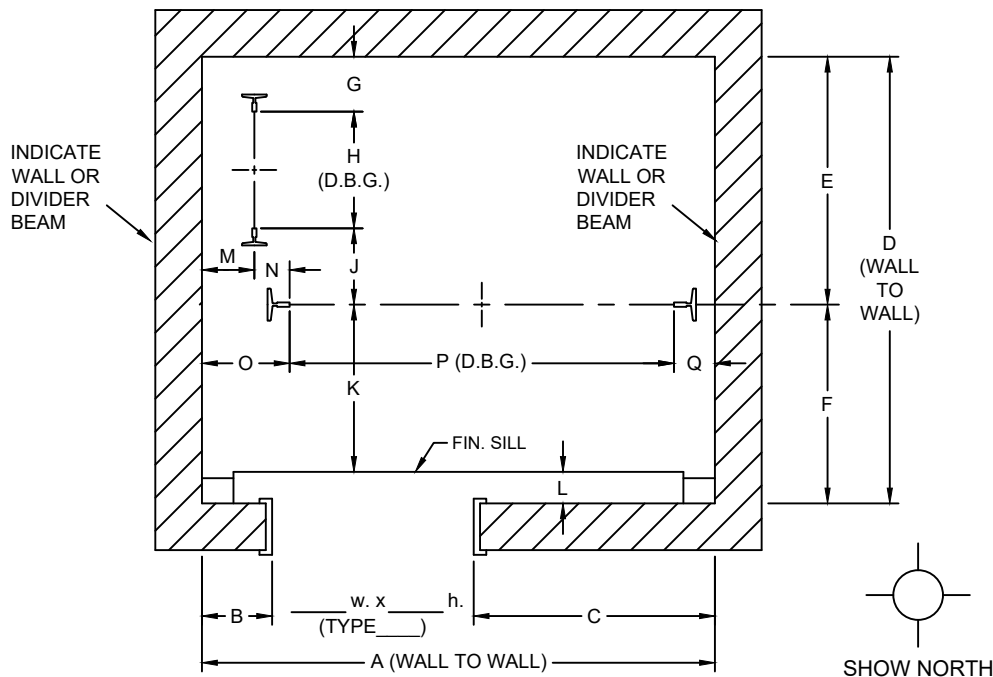
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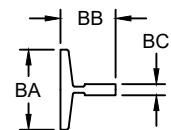
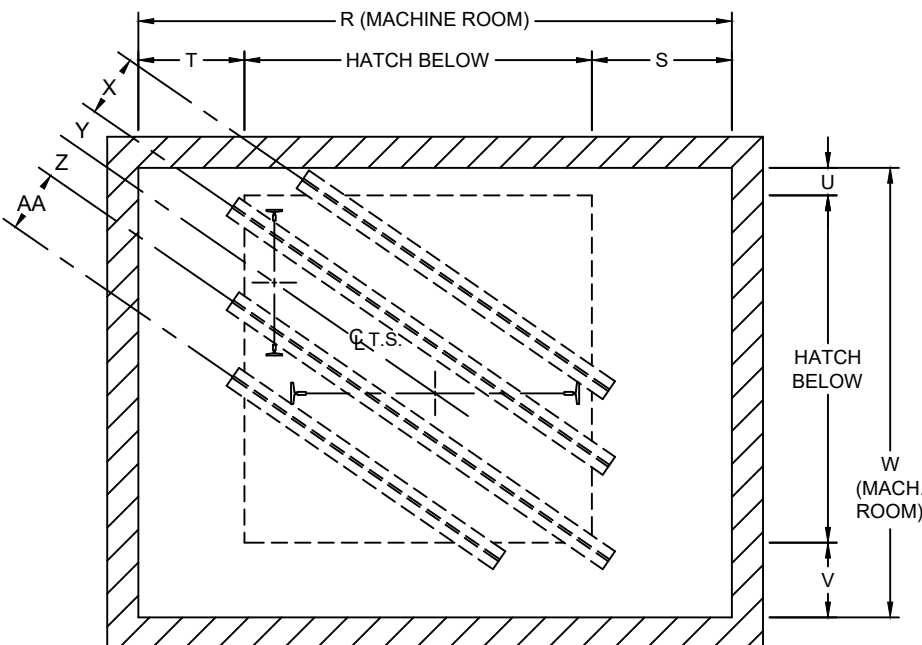
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**SINGLE OPENING - LEFT HAND DOOR - CWT. ON LEFT**



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



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

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



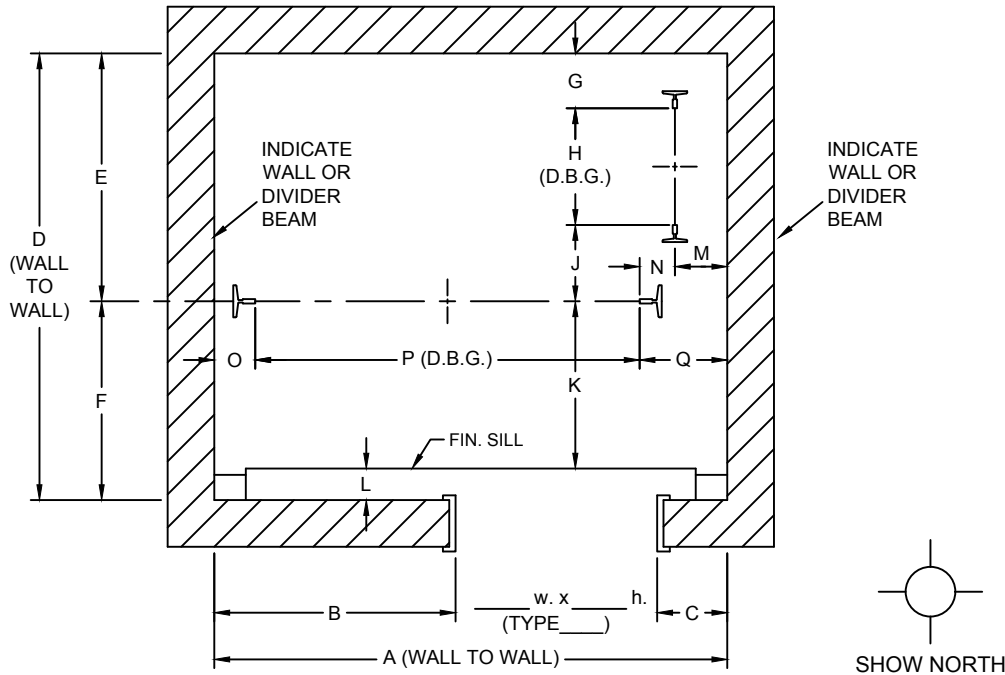
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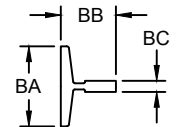
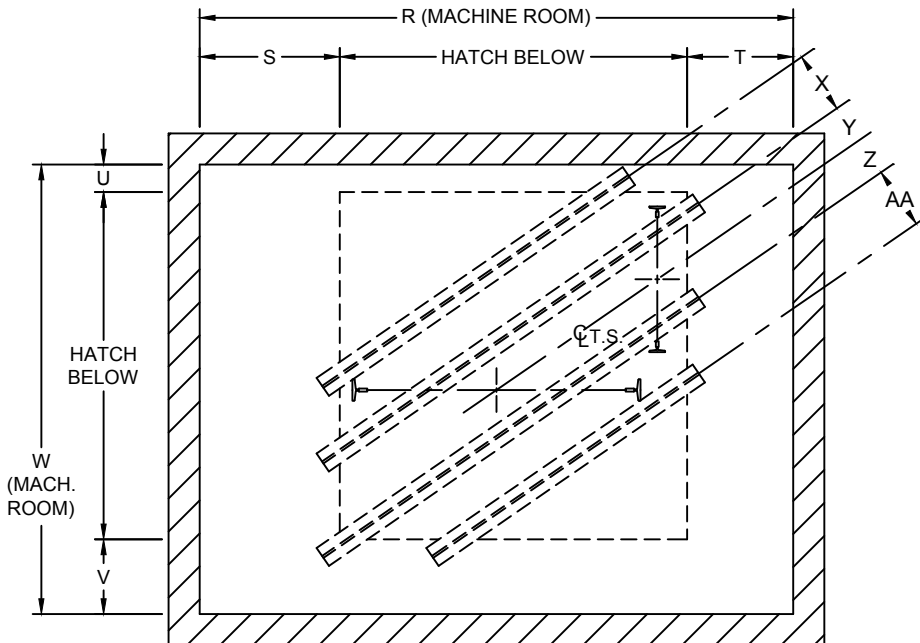
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**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.		

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



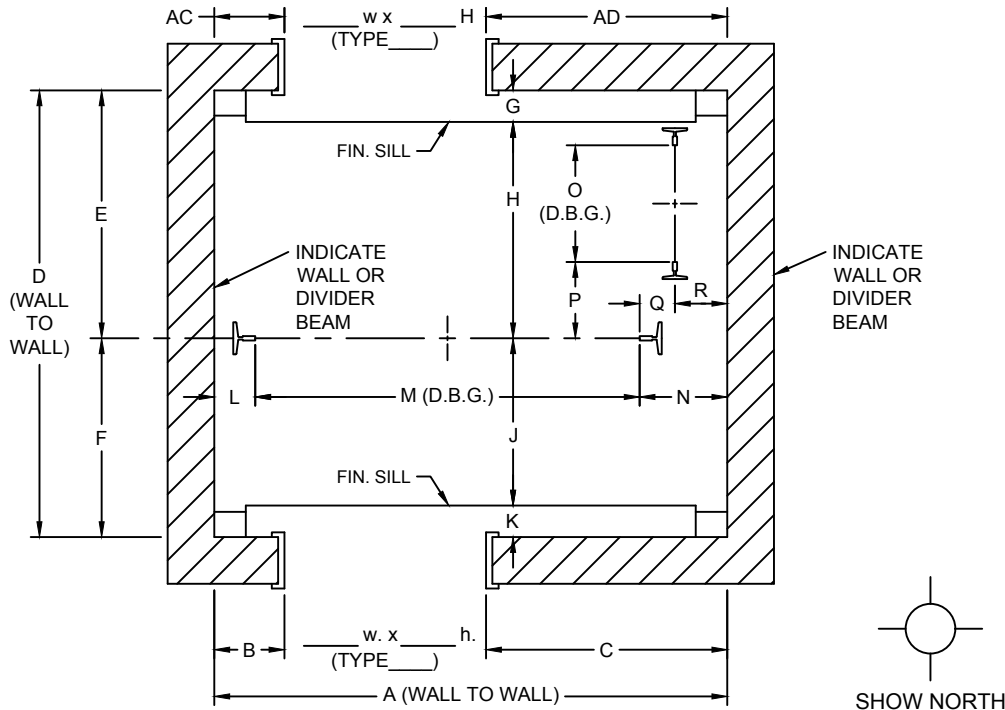
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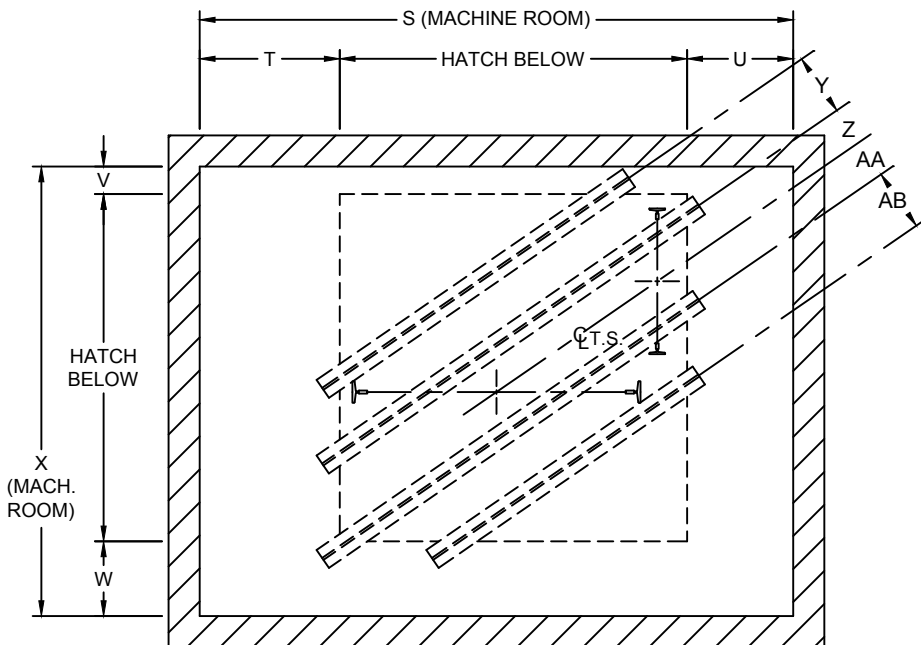
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 COMPANY: \_\_\_\_\_ ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_ DATE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

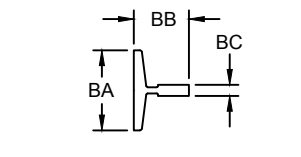
**DOUBLE OPENING - LEFT HAND DOOR - CWT. ON RIGHT**



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



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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



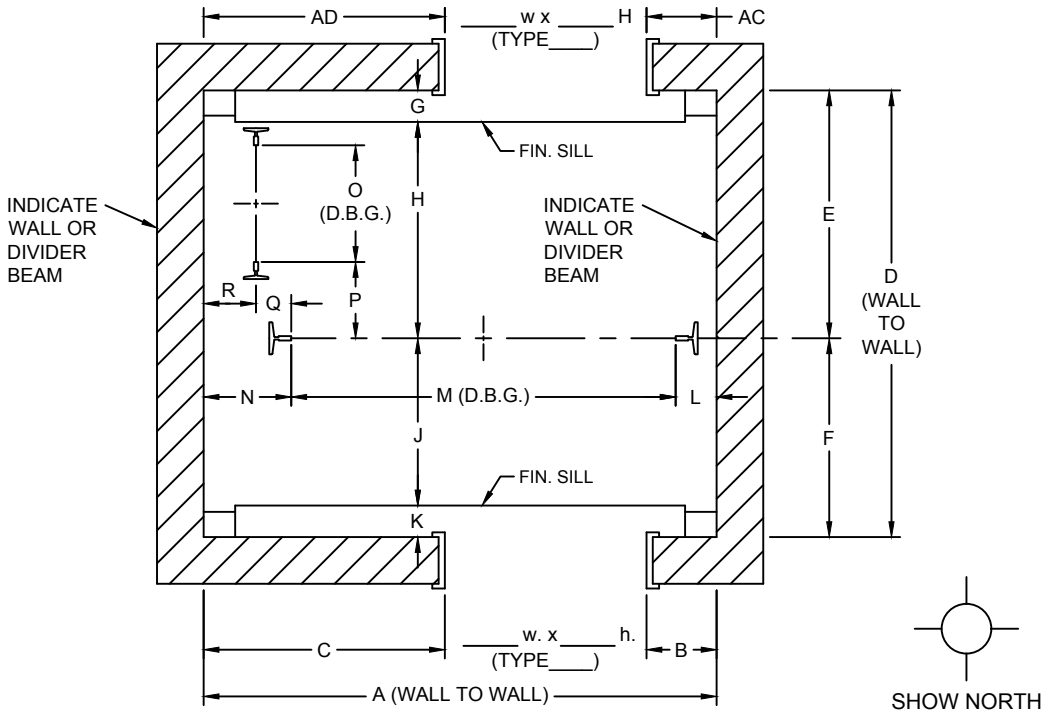
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 Quincy, IL 62305  
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 Fax: 217-222-0493

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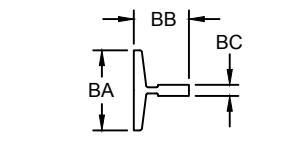
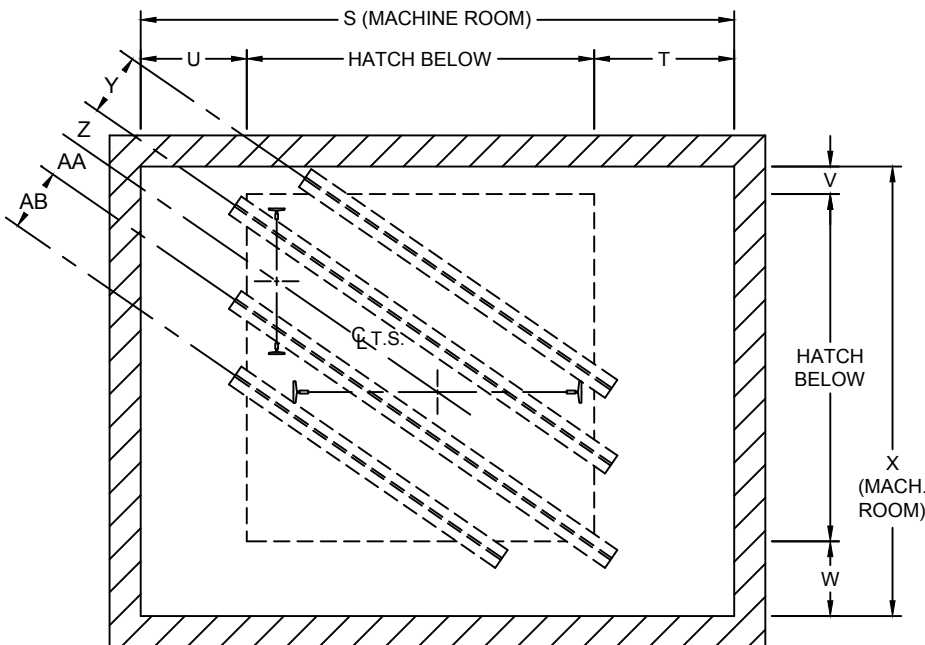
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**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.		

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND





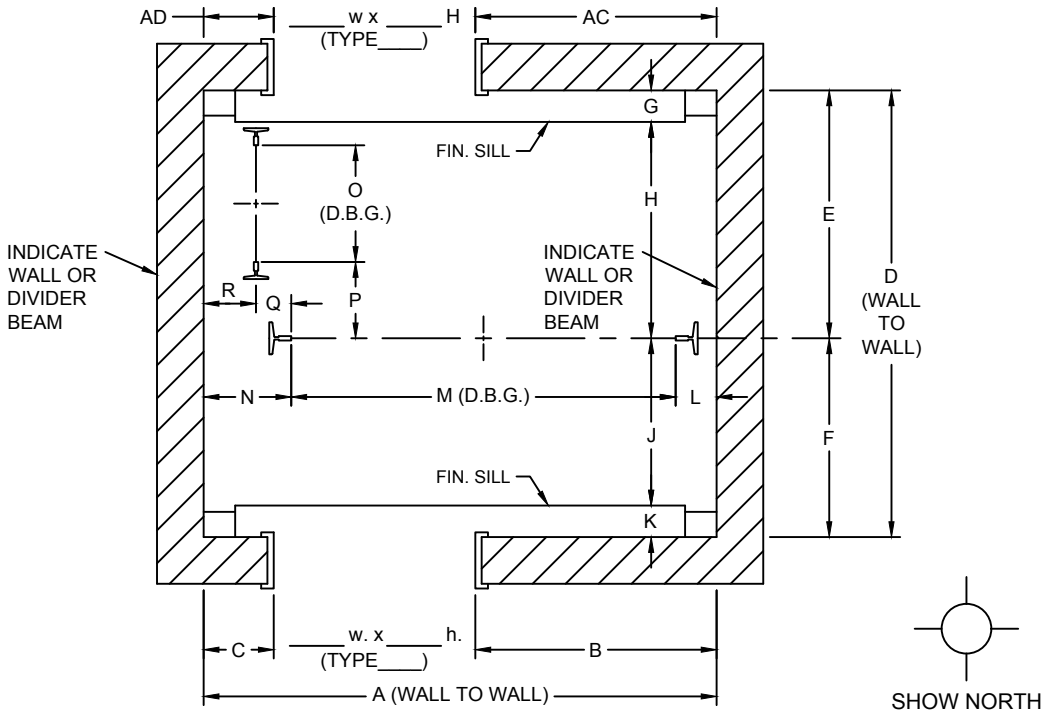
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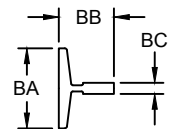
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 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**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.		

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



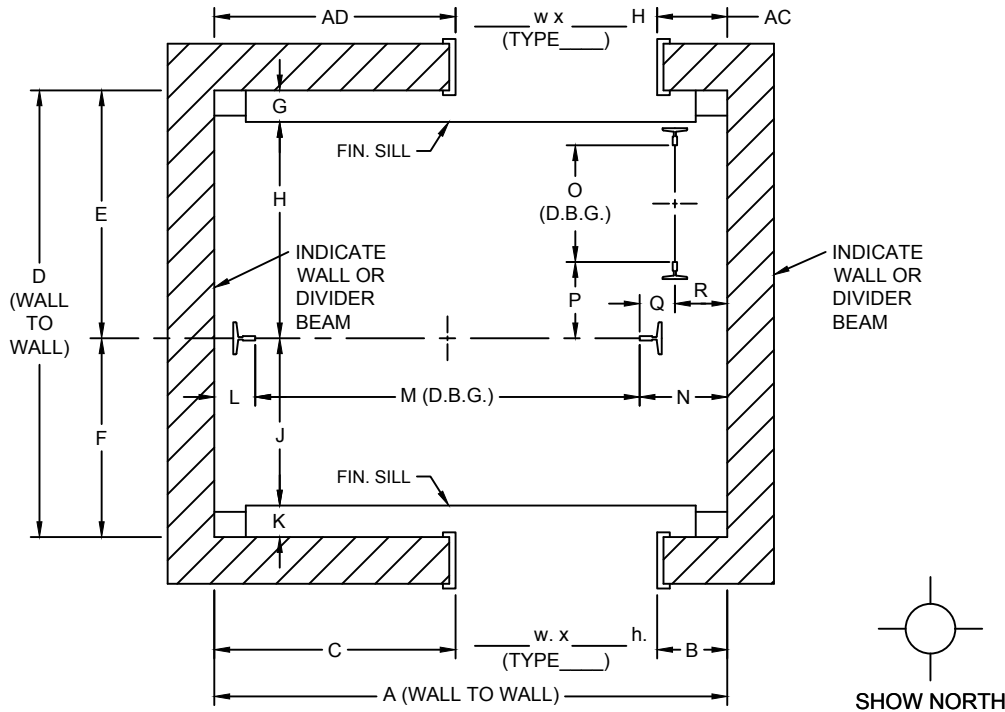
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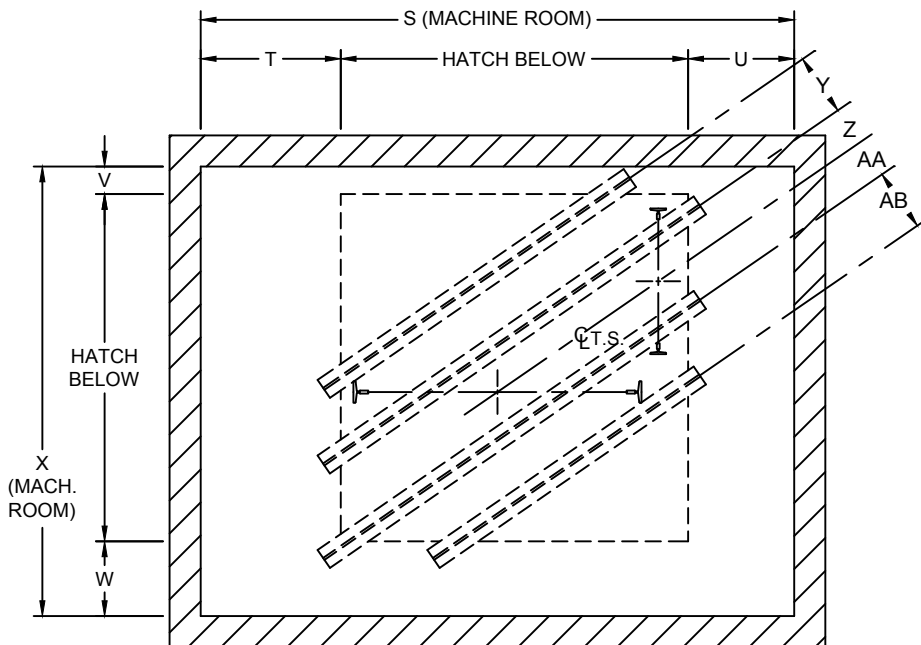
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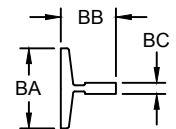
**DOUBLE OPENING - RIGHT HAND DOOR - CWT. ON RIGHT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
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U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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



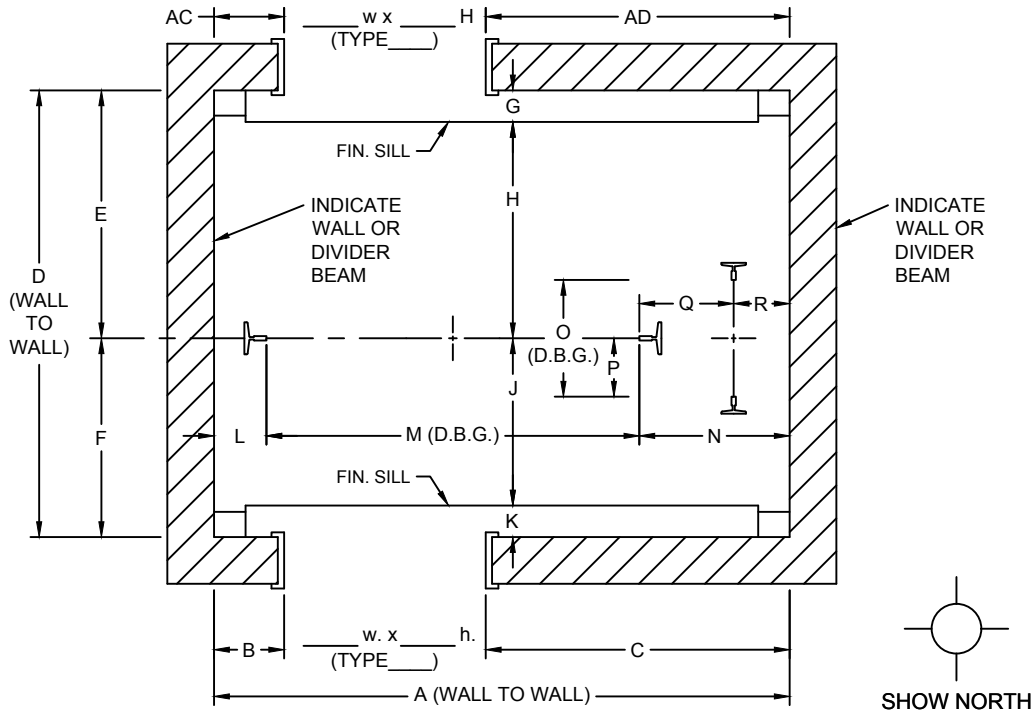
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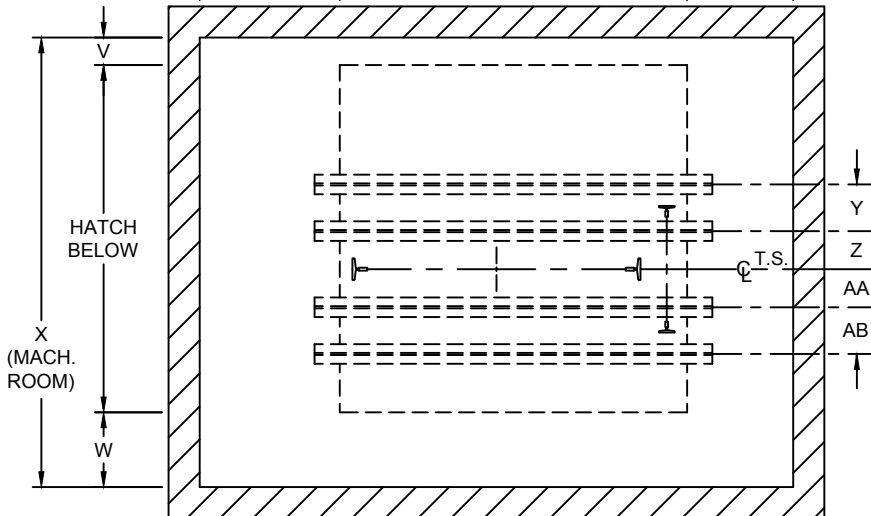
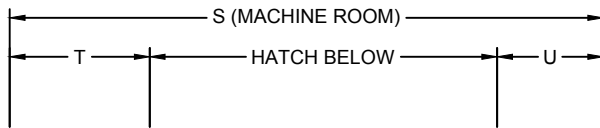
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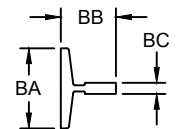
**DOUBLE OPENING - LEFT HAND DOOR - CWT. ON RIGHT**



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



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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



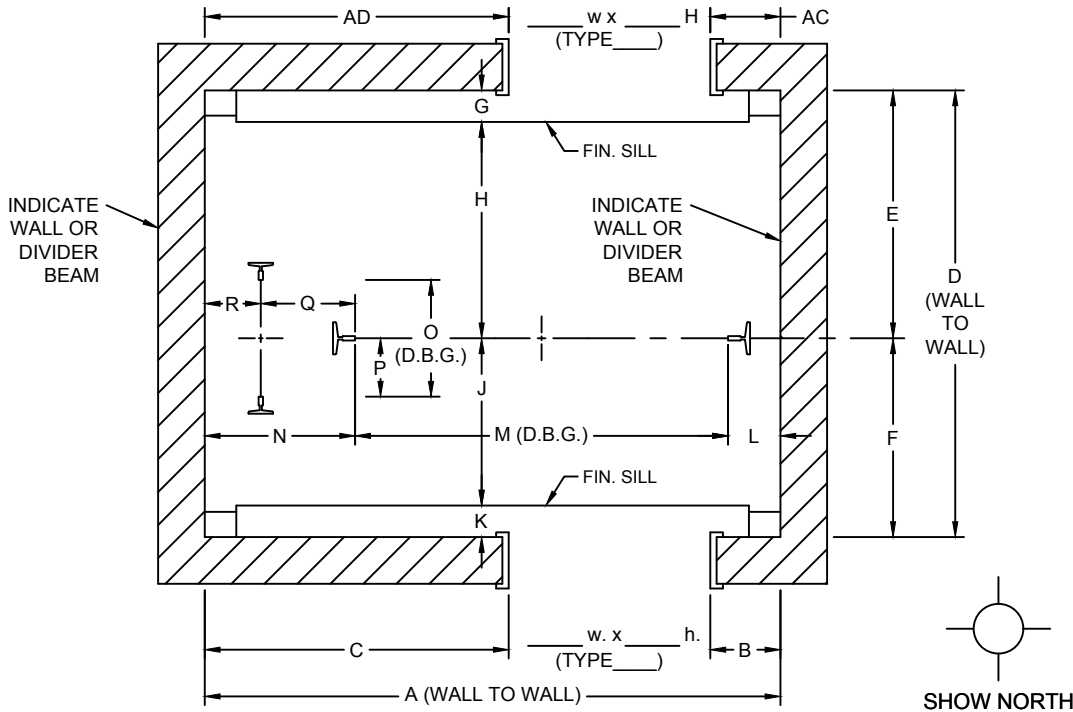
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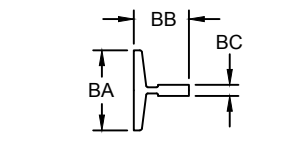
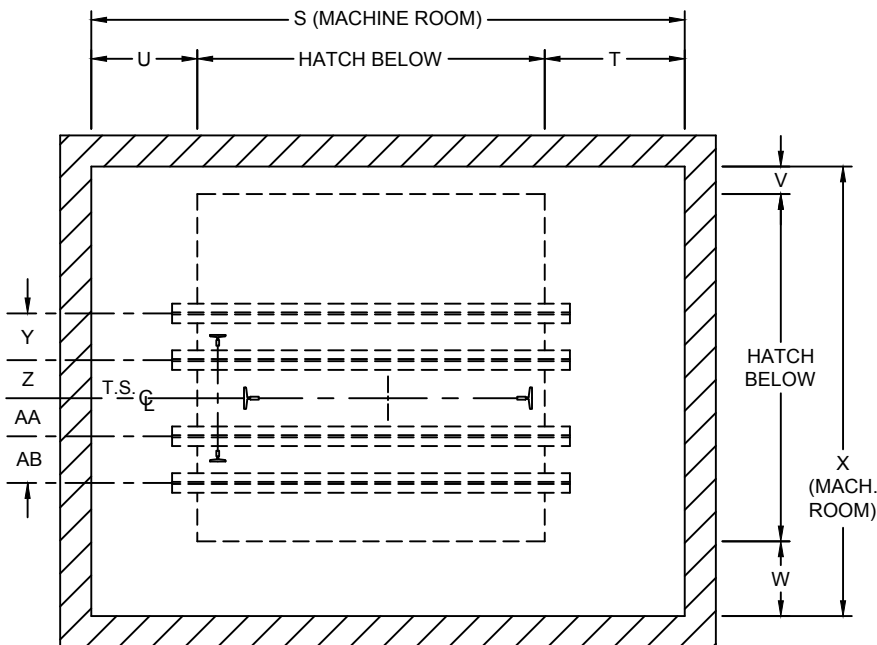
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 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

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



DIMENSIONS AT TIGHTEST POINT	
A	
B	
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D	
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U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



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



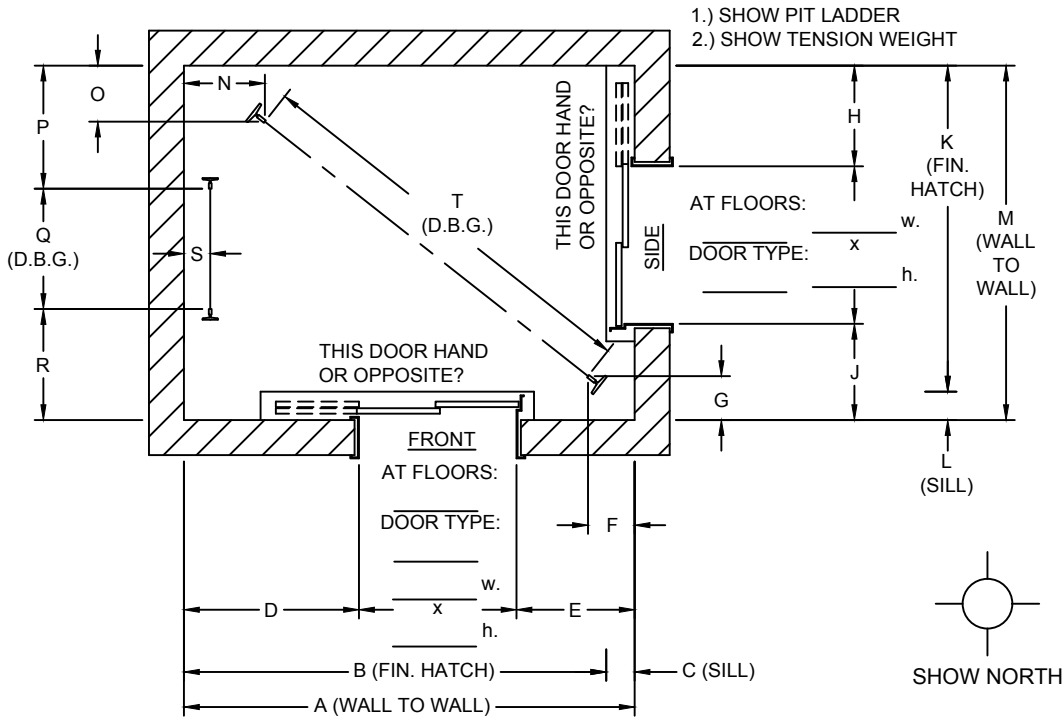
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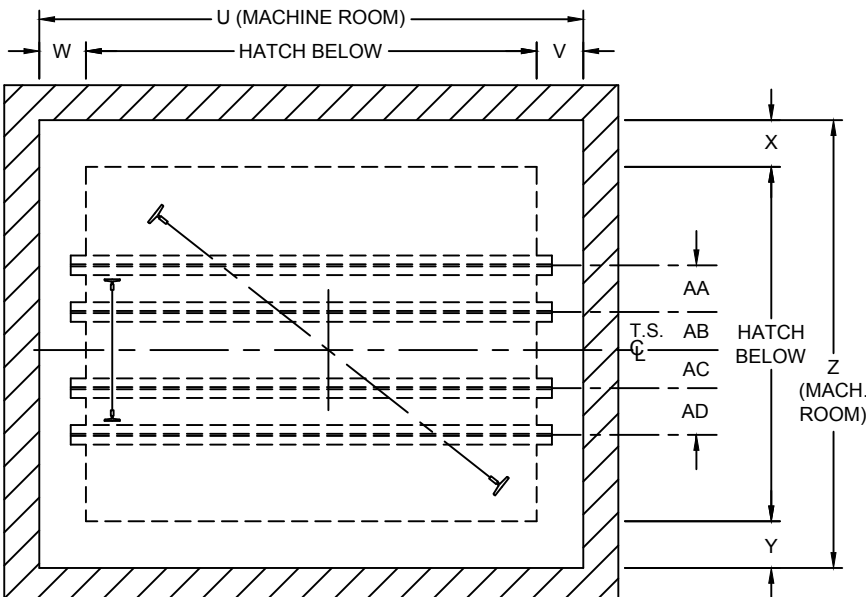
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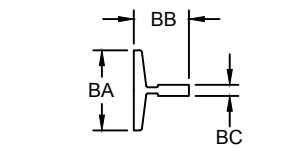
**CORNERPOST - FRONT AND RIGHT SIDE OPENINGS - CWT. ON LEFT**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
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V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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



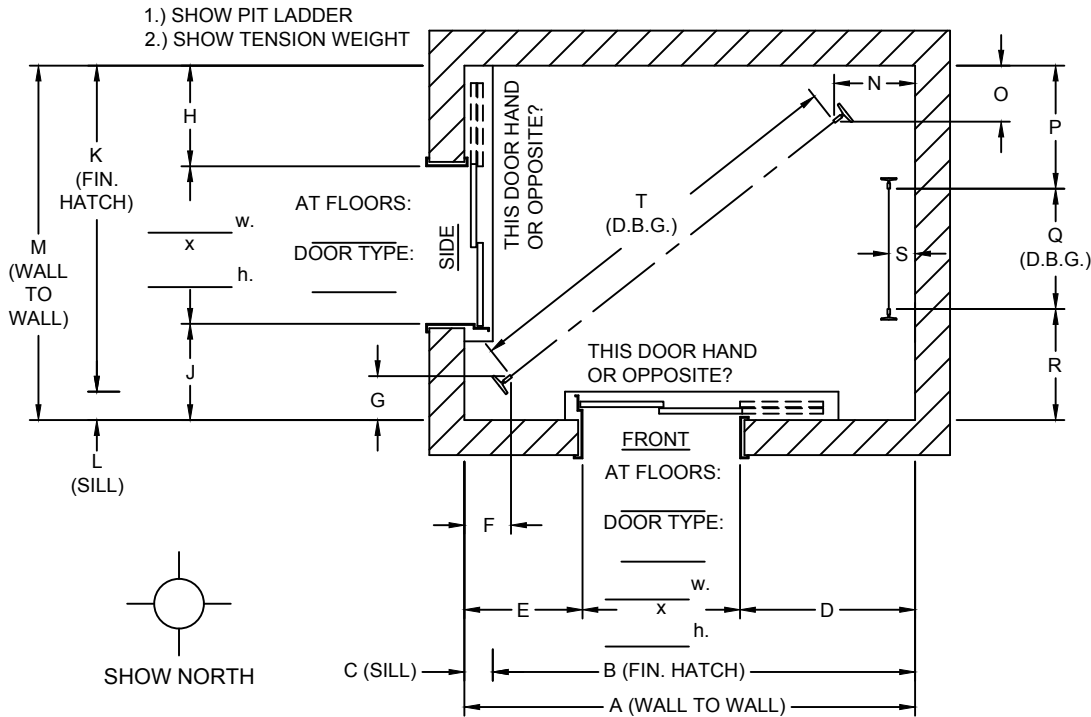
#1 Hollister-Whitney Parkway  
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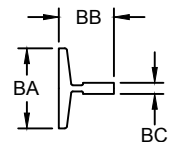
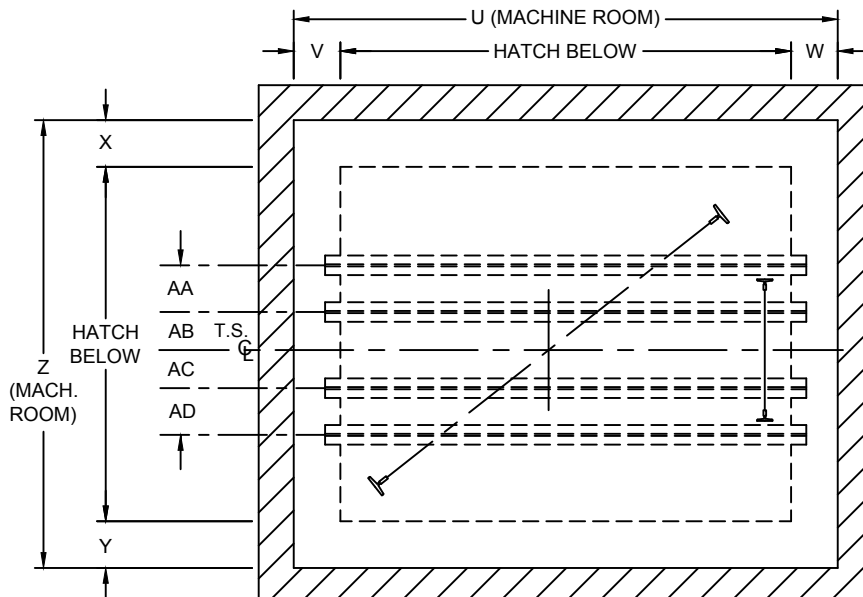
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 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

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



DIMENSIONS AT TIGHTEST POINT	
A	
B	
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AA	
AB	
AC	
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RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND





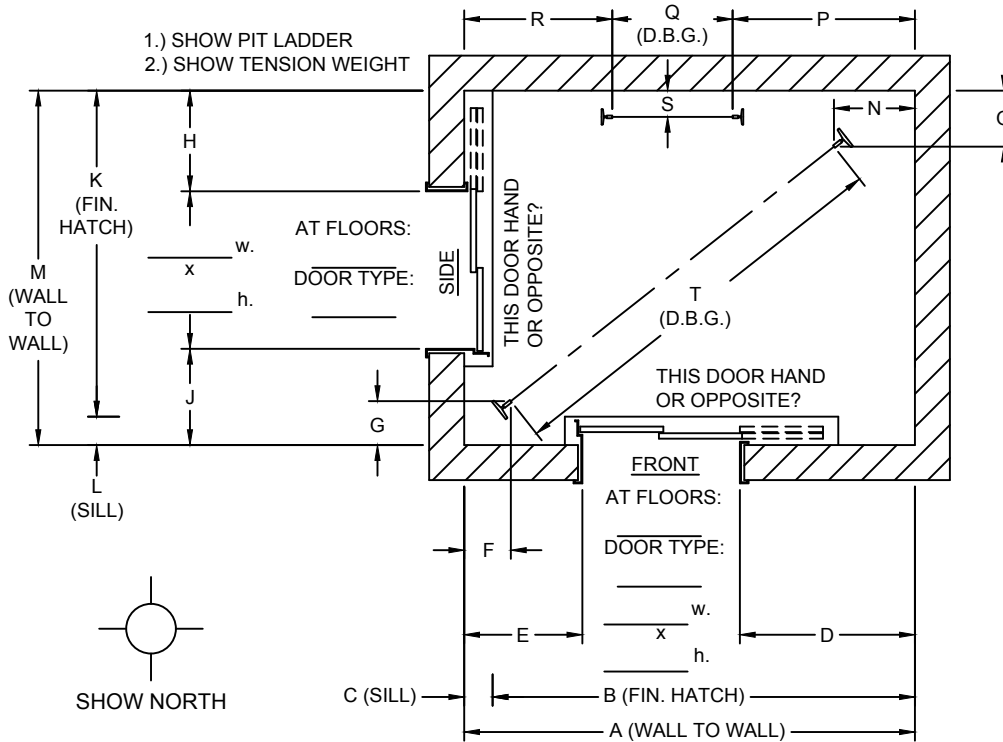
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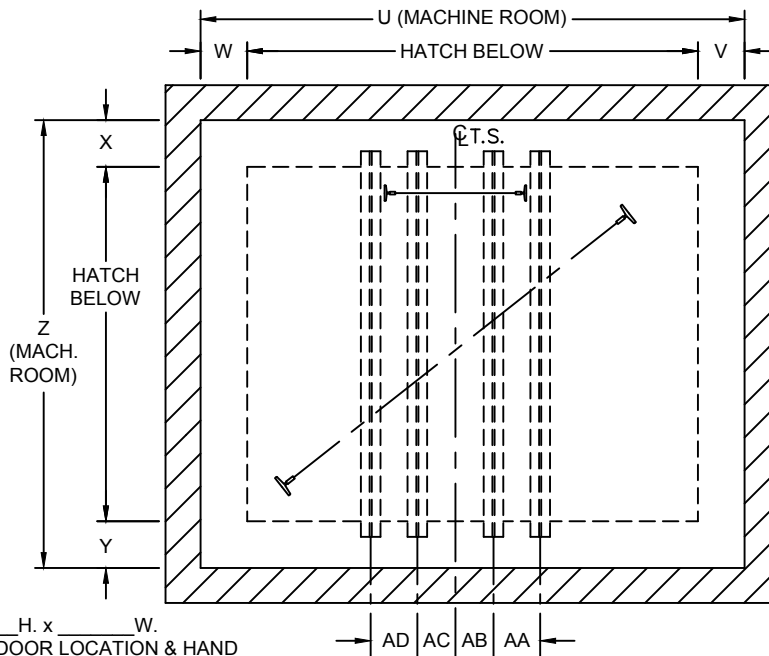
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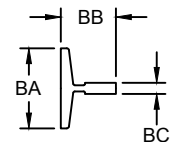
**CORNERPOST - FRONT AND LEFT SIDE OPENINGS - CWT. AT REAR**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
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D	
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U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



MACHINE BEAM SIZE: \_\_\_\_\_ H. x \_\_\_\_\_ W.  
 INDICATE MACHINE ROOM DOOR LOCATION & HAND



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





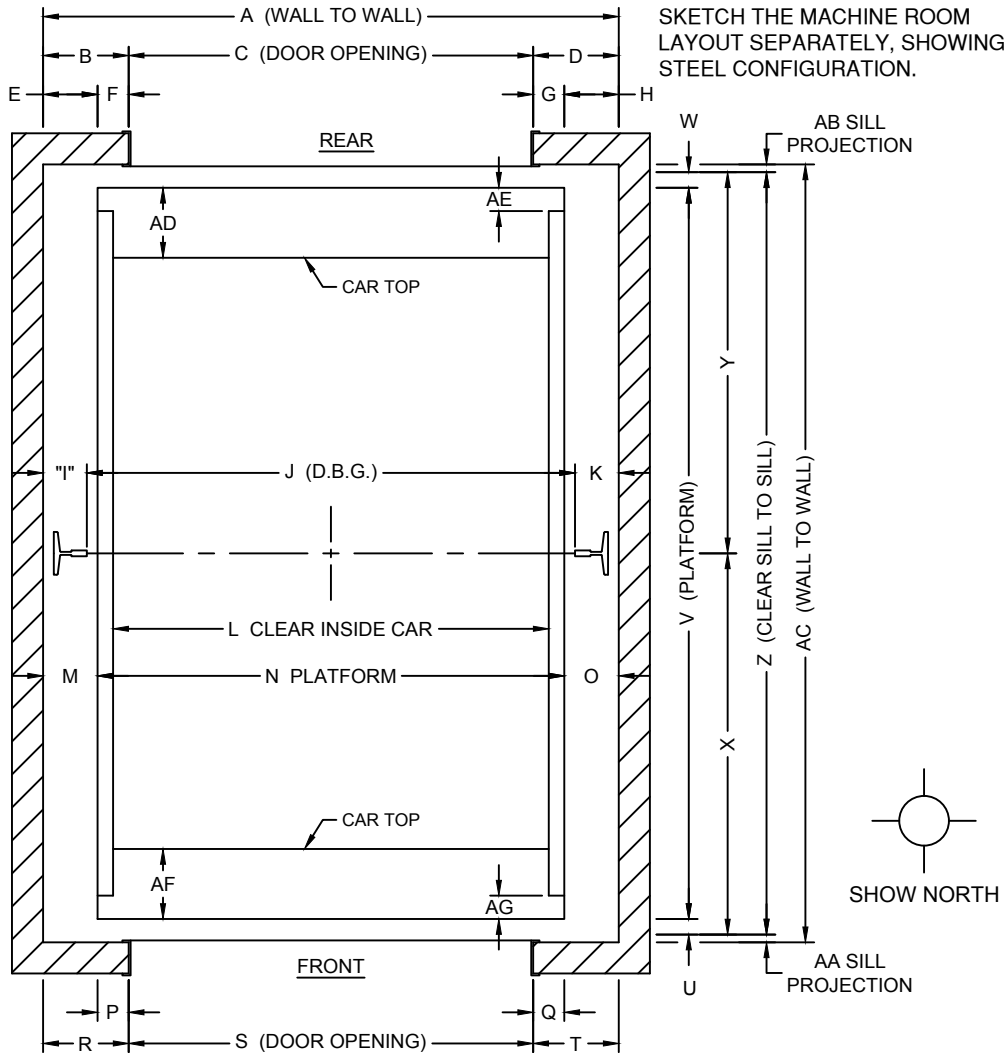
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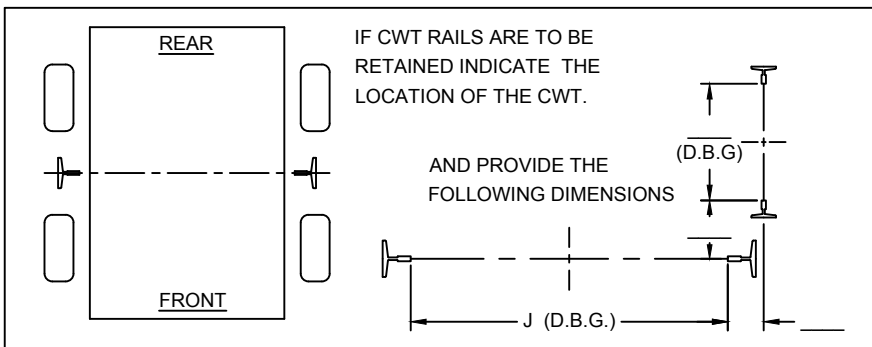
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 COMPANY: \_\_\_\_\_ ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_ DATE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**FREIGHT PLAN VIEW**



- LOCATE CAMS, INTERLOCKS AND VISION PANEL (FRONT & REAR).
- IF GATE IS TO BE REUSED LOCATE & DIMENSION WEIGHT BOXES.

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
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V	
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Y	
Z	
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AE	
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AG	



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



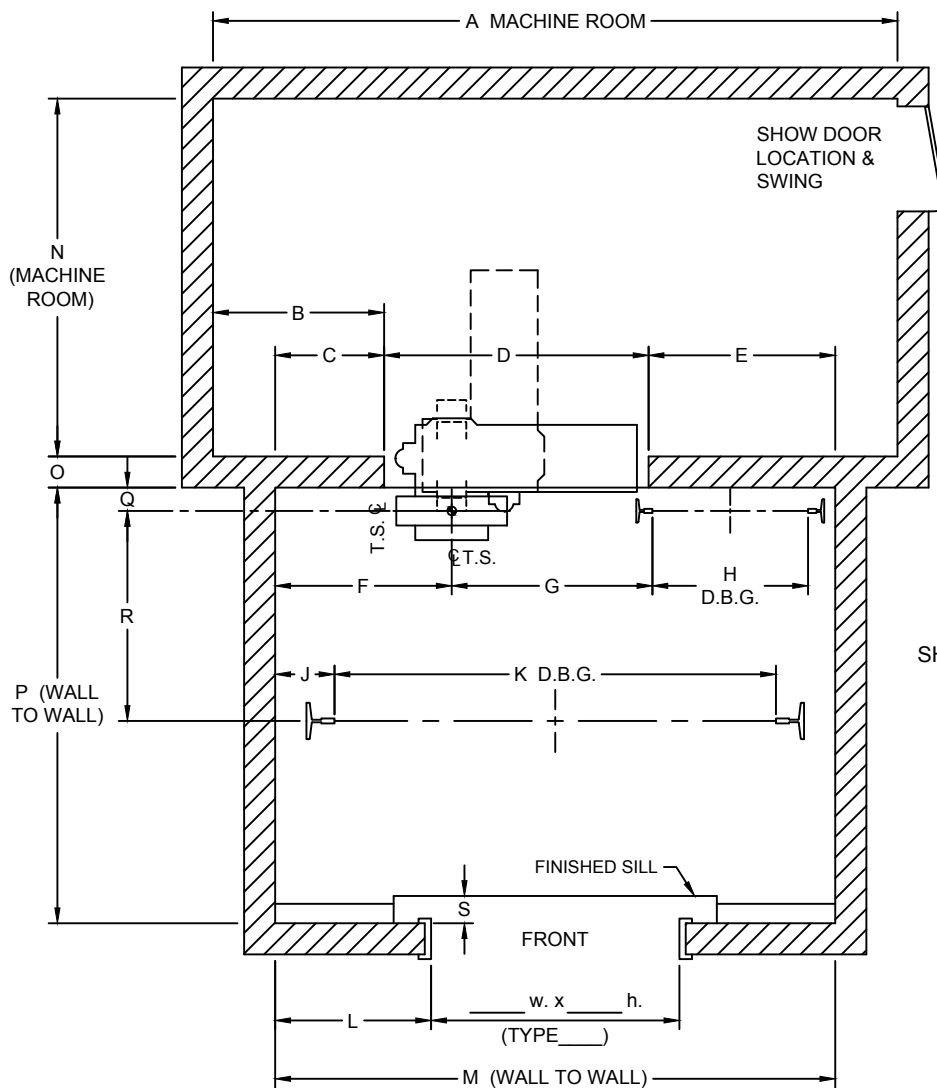
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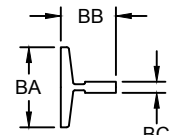
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**BASEMENT-SET, MACHINE AT (LEFT) REAR & CWT AT (RIGHT) REAR**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
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G	
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J	
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RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		



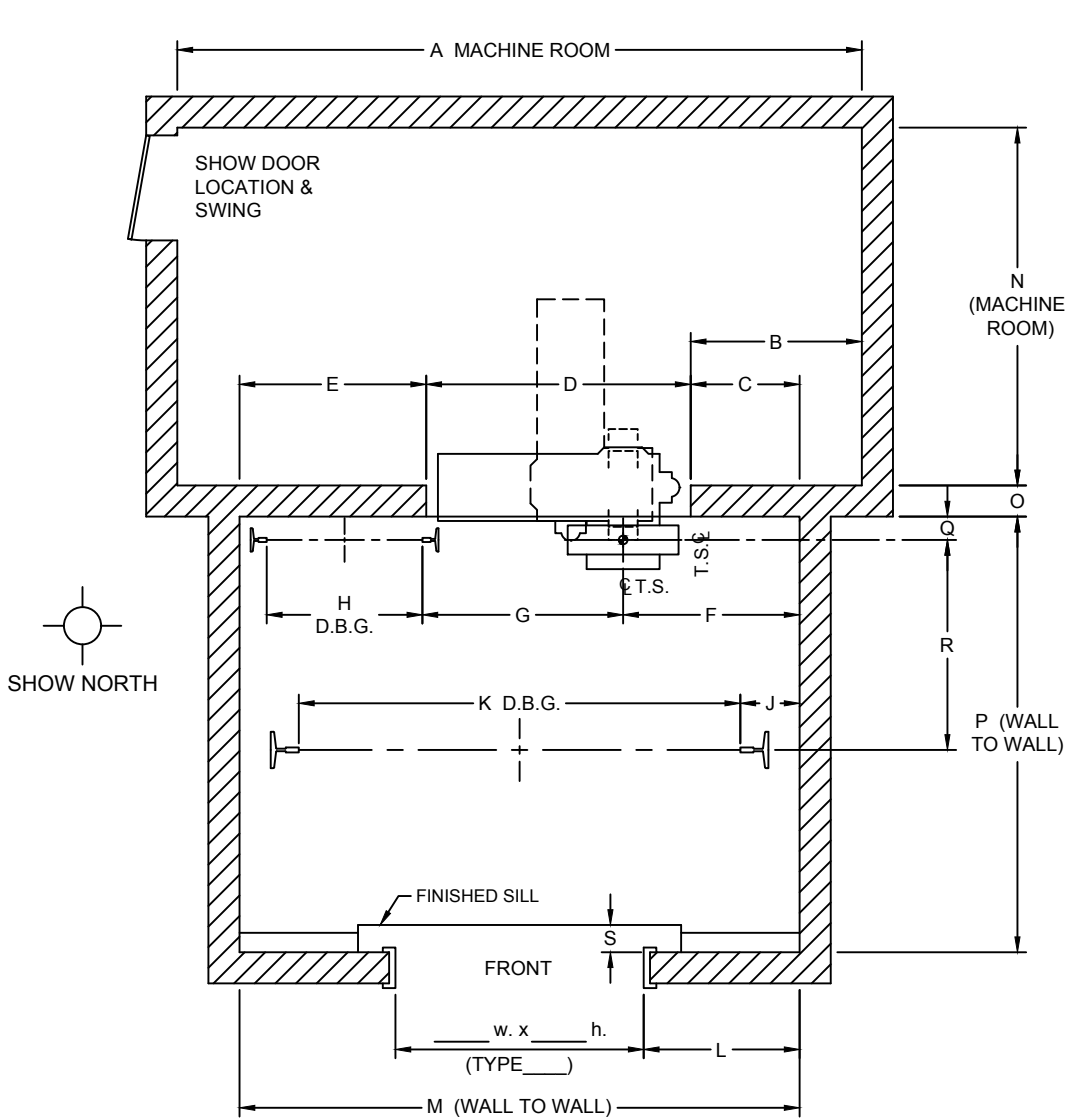
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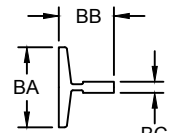
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**BASEMENT-SET, MACHINE AT (RIGHT) REAR & CWT AT (LEFT) REAR**



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
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S	



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



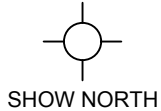
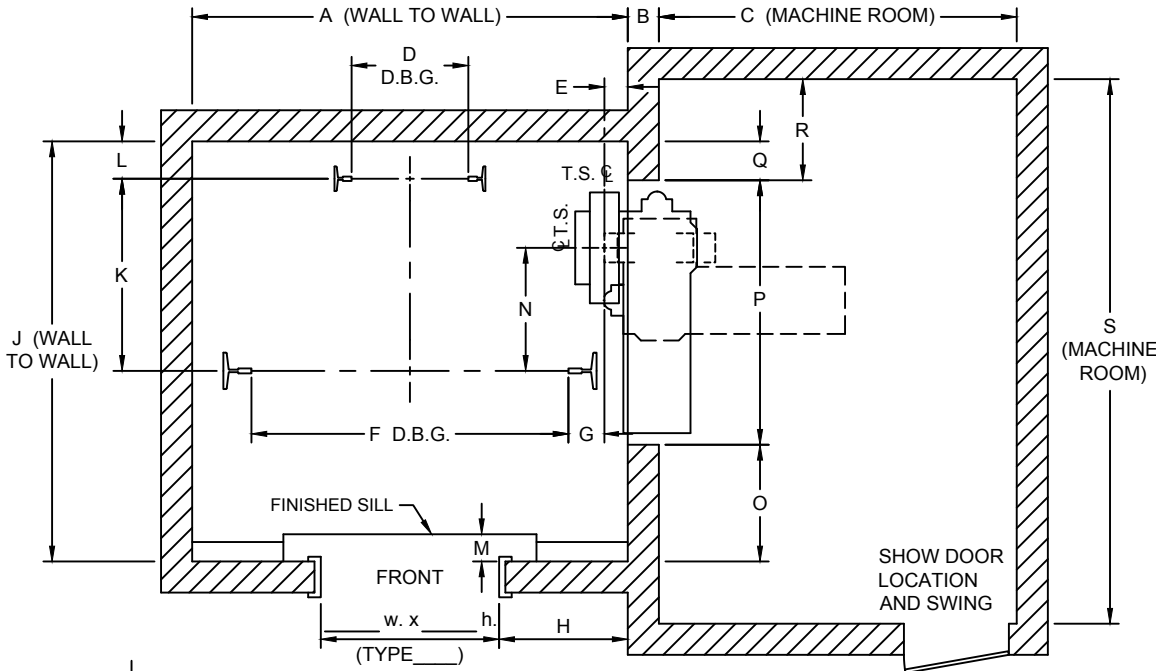
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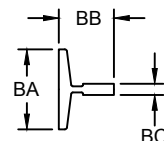
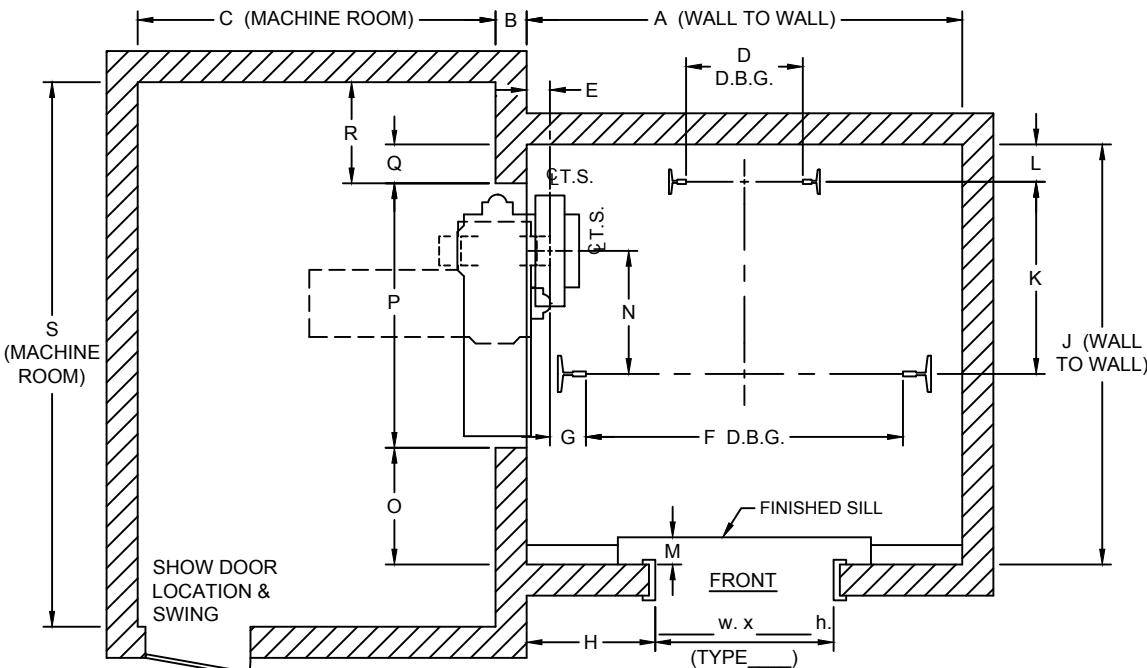
ENGINEERING CONTACT: \_\_\_\_\_ JOB NAME: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_ DATE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**BASEMENT-SET, MACHINE AT SIDE & CWT AT REAR**



OR  
 'X' OUT THE PLAN VIEW THAT DOES NOT APPLY

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	



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



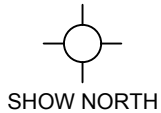
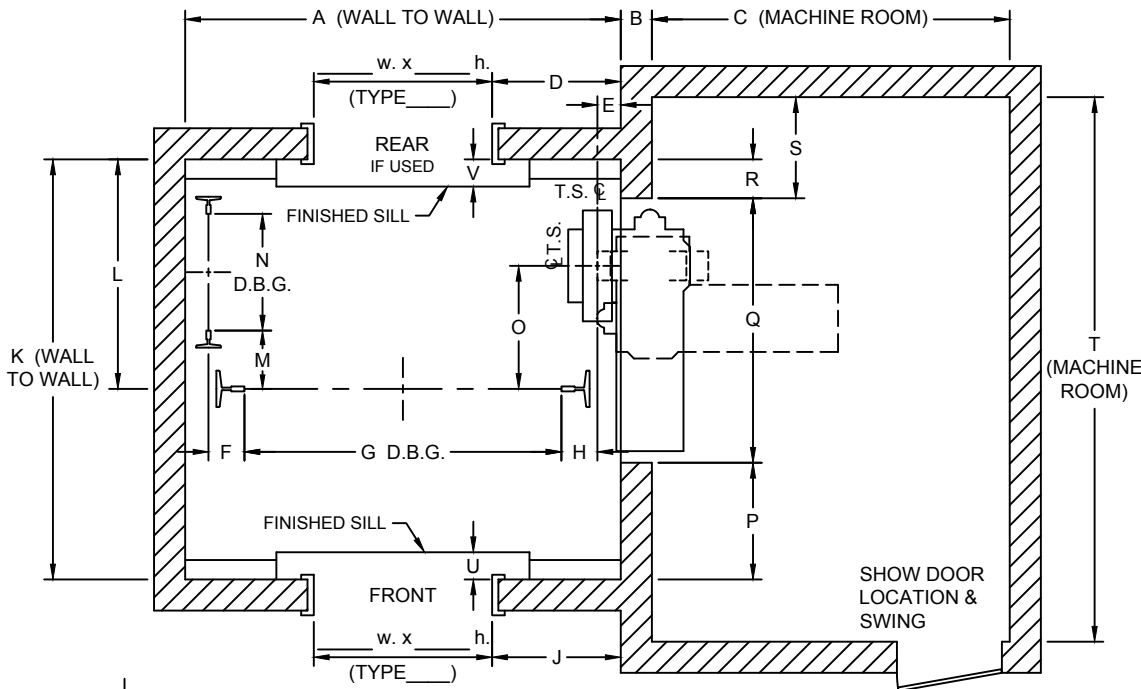
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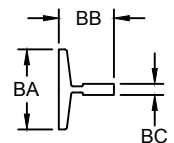
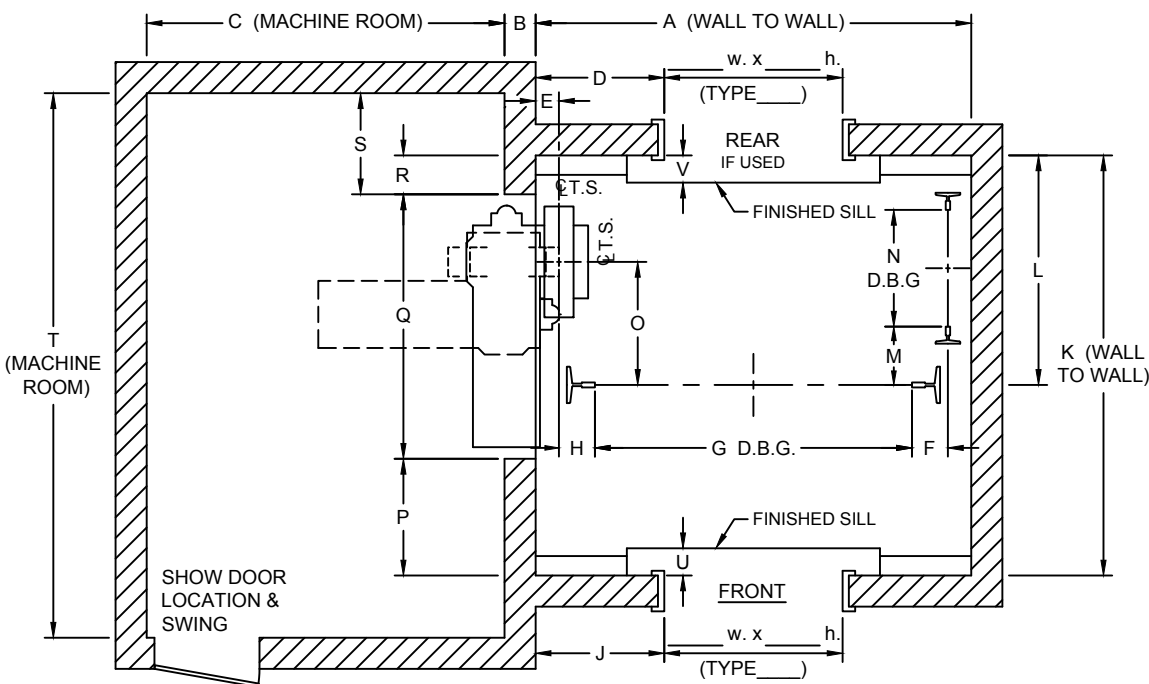
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
 FAX NO: \_\_\_\_\_ FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

**BASEMENT-SET, MACHINE AT SIDE & CWT ON OPPOSITE SIDE**



OR  
 'X' OUT THE PLAN VIEW THAT DOES NOT APPLY

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



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



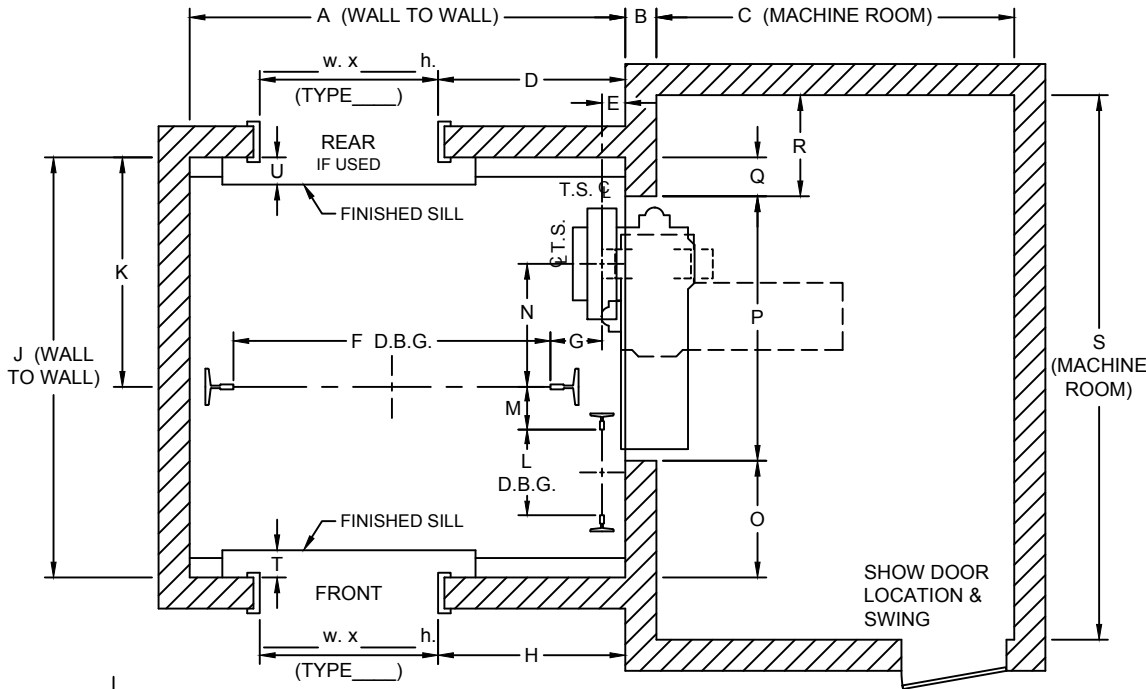
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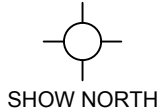
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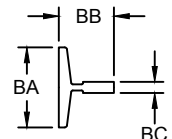
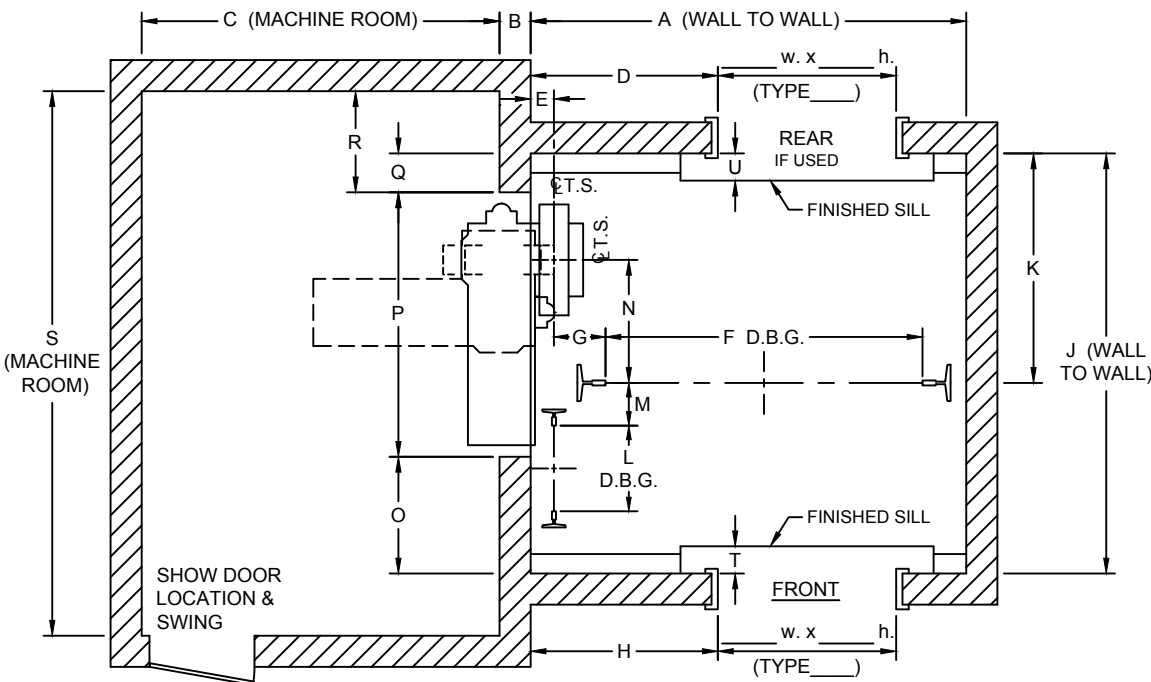
**BASEMENT-SET, MACHINE AT SIDE & CWT ON SAME SIDE**



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



OR  
 'X' OUT THE PLAN VIEW THAT DOES NOT APPLY



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



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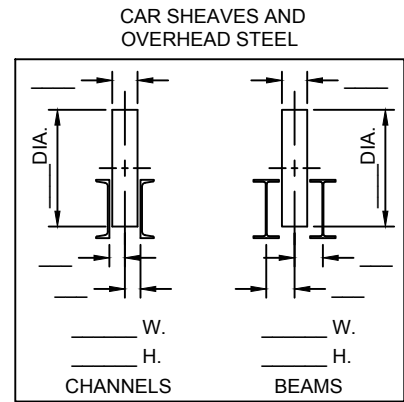
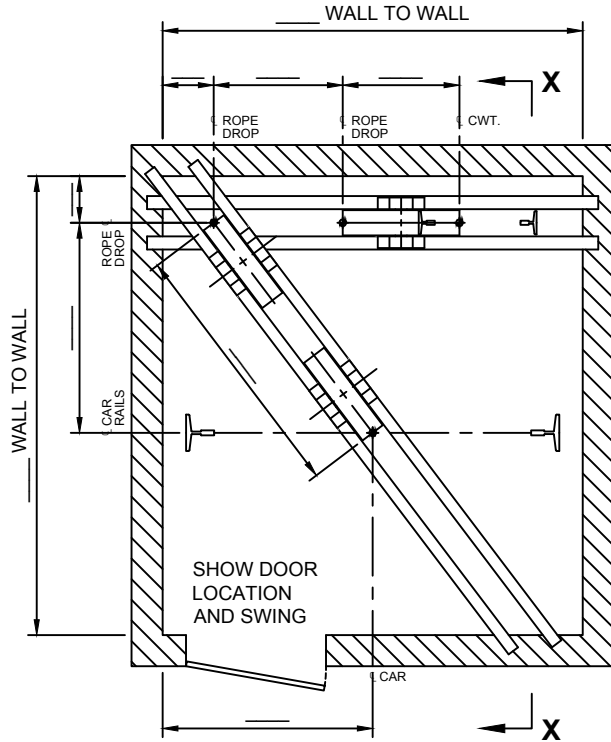
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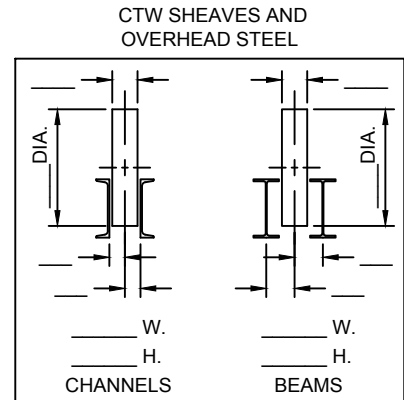
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 COMPANY: \_\_\_\_\_  
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JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_ DATE: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 FILL OUT SURVEY FORM AS COMPLETE AS POSSIBLE.

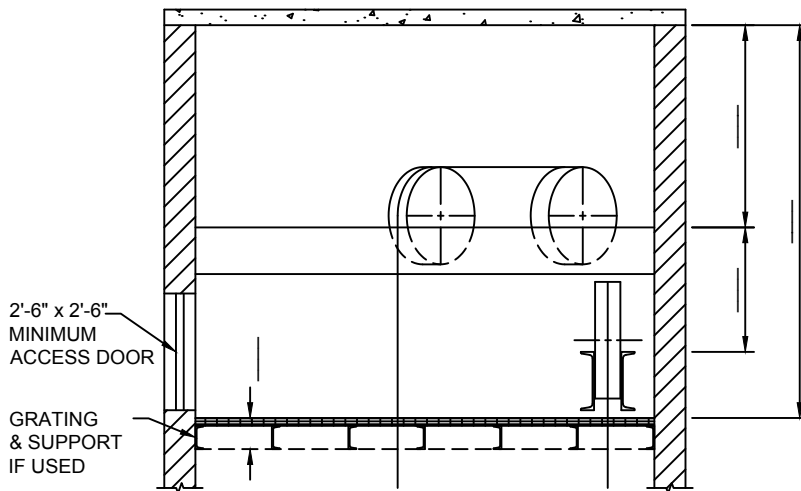
**OVERHEAD STEEL BASEMENT-SET, MACHINE & CWT AT REAR**



'X' OUT OVERHEAD STEEL THAT DOES NOT APPLY



'X' OUT OVERHEAD STEEL THAT DOES NOT APPLY





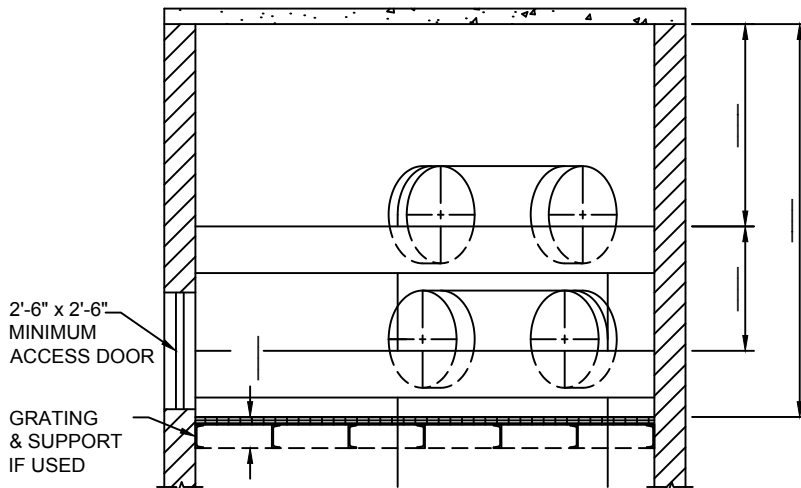
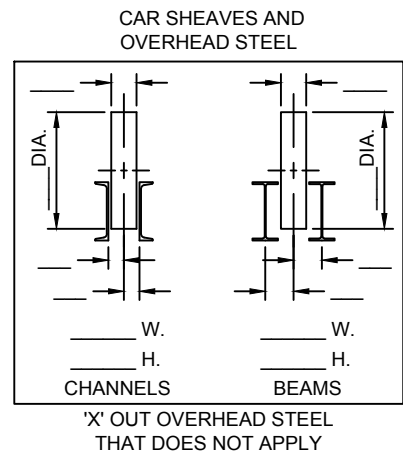
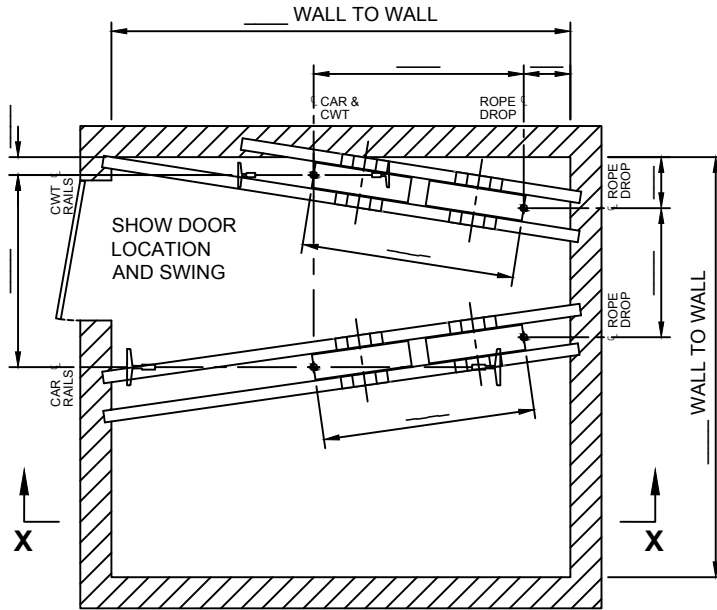
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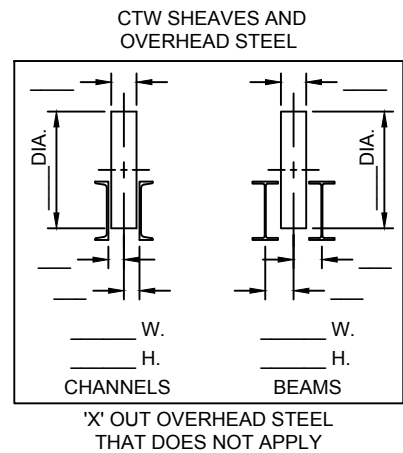
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**OVERHEAD STEEL BASEMENT-SET, MACHINE AT SIDE & CWT AT REAR**



**SECTION "X-X"**







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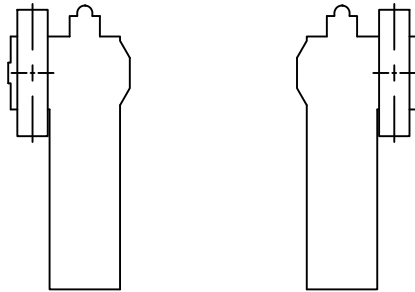
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**EXISTING BASEMENT MACHINE SURVEY (FOR LAYOUTS)**

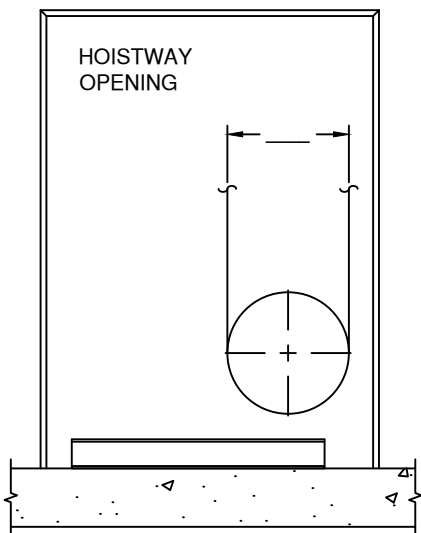
INSTRUCTIONS:

1. SELECT "HAND" OF MACHINE.
2. SELECT "TYPE" OF MACHINE ARRANGEMENT

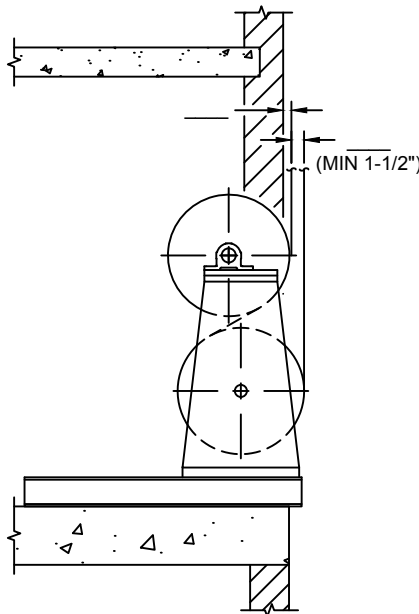


LEFT HAND       RIGHT HAND

"HAND" OF BASEMENT SET MACHINES

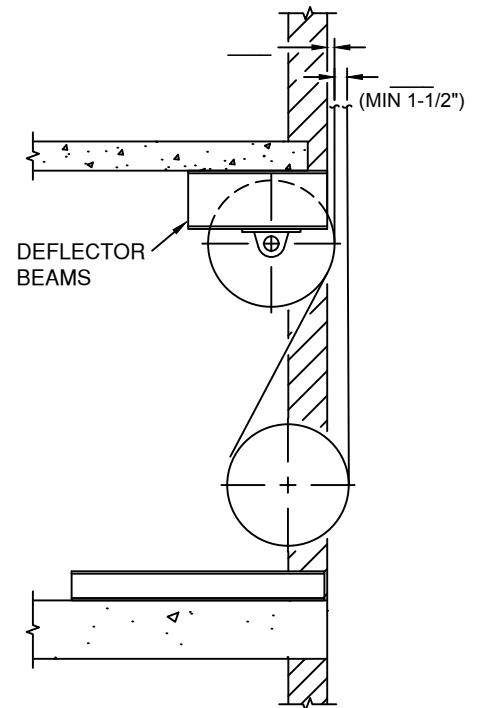


"B.S." BASEMENT SET MACHINES



"O.D." OVERHEAD DEFLECTOR  
 BASEMENT SET MACHINES  
 (WITH INTEGRATED  
 DEFLECTOR SHEAVE)

"TYPE" OF BASEMENT SET MACHINES



"B.S." BASEMENT SET MACHINES  
 (WITH SEPARATE  
 DEFLECTOR SHEAVE)



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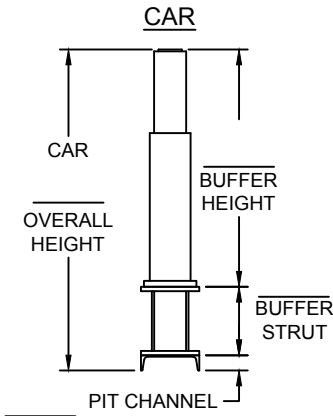
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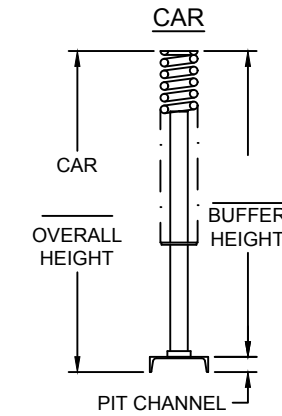
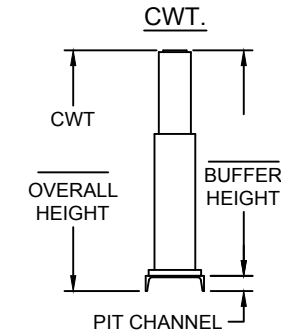
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 EMAIL: \_\_\_\_\_ FROM (H-W): \_\_\_\_\_  
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**EXISTING BUFFERS, PIT CHANNELS, SAFETIES,  
 GOVERNORS, TENSION WEIGHTS, MACHINE/SHEAVES**

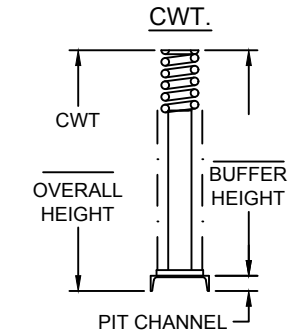
**EXISTING BUFFERS**



**EXISTING OIL BUFFERS**

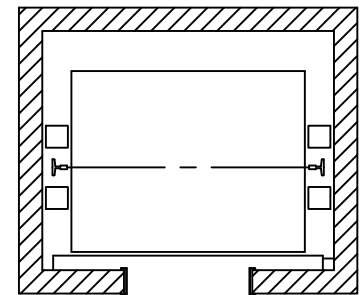
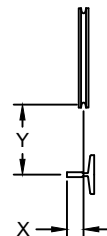


**EXISTING SPRING BUFFERS**



**EXISTING SAFETY / GOVERNOR / TENSION WGT.**

- SAFETY PULL-THRU IN POUNDS? \_\_\_\_\_
- INDICATE QUADRANT FOR GOVERNOR / TENSION WEIGHT
- INDICATE IF GOVERNOR FACES OUTWARD
- LOCATION OF SAFETY PICK-UP ARM? X=\_\_\_\_\_ Y=\_\_\_\_\_
- ROPE DIAMETER? \_\_\_\_\_
- RAIL SIZE? \_\_\_\_\_
- STILE CHANNEL SIZE? \_\_\_\_\_



**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 EXISTING DEFLECTOR SHEAVE? \_\_\_\_\_
- DIAMETER OF EXISTING OVERHEAD SHEAVES? \_\_\_\_\_
- DIAMETER OF EXISTING CAR SHEAVE(S) \_\_\_\_\_
- DIAMETER OF EXISTING CWT. SHEAVE? \_\_\_\_\_



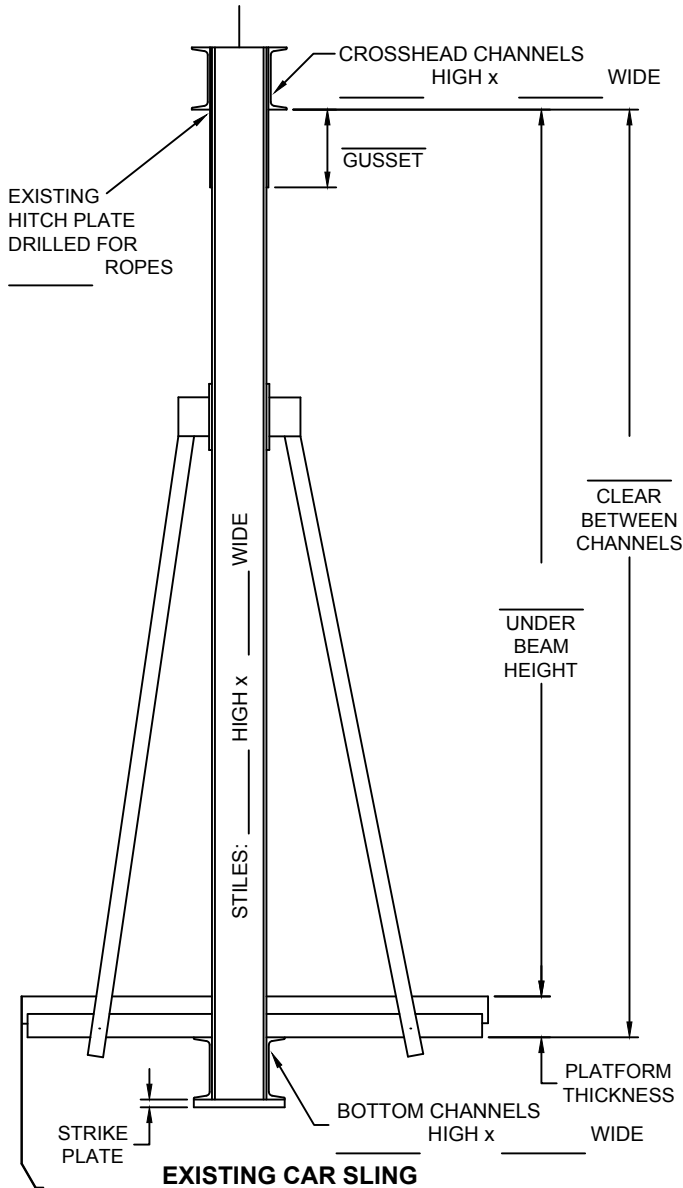
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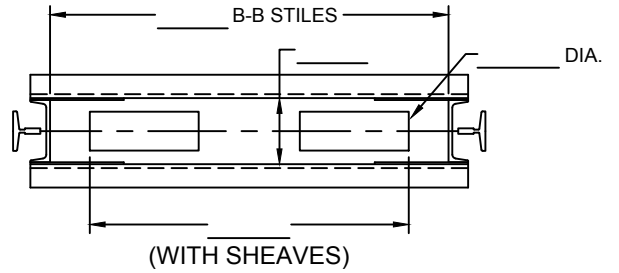
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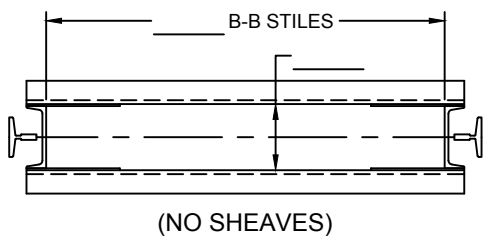
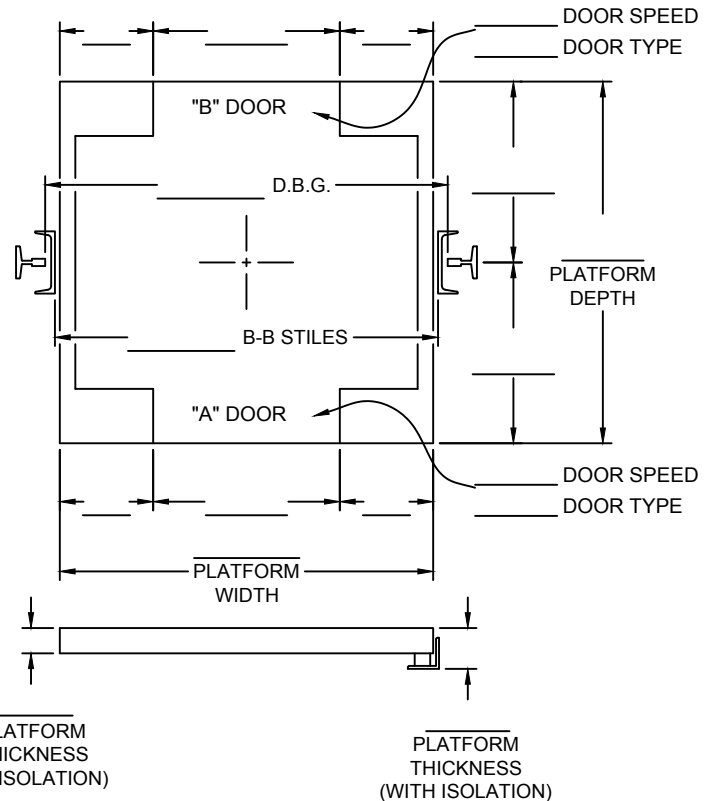
**EXISTING CAR SLING AND PLATFORM**



**EXISTING CAR SLING**



**EXISTING PLATFORM**



**EXISTING WEIGHTS / DUTY**

EXISTING TOTAL EMPTY CAR WEIGHT: \_\_\_\_\_  
 EXISTING CAPACITY RATING: \_\_\_\_\_  
 EXISTING CAR SPEED: \_\_\_\_\_  
 EXISTING LOAD CLASSIFICATION: \_\_\_\_\_  
 (PASSENGER OR CLASS A, B, C1, C2, C3)



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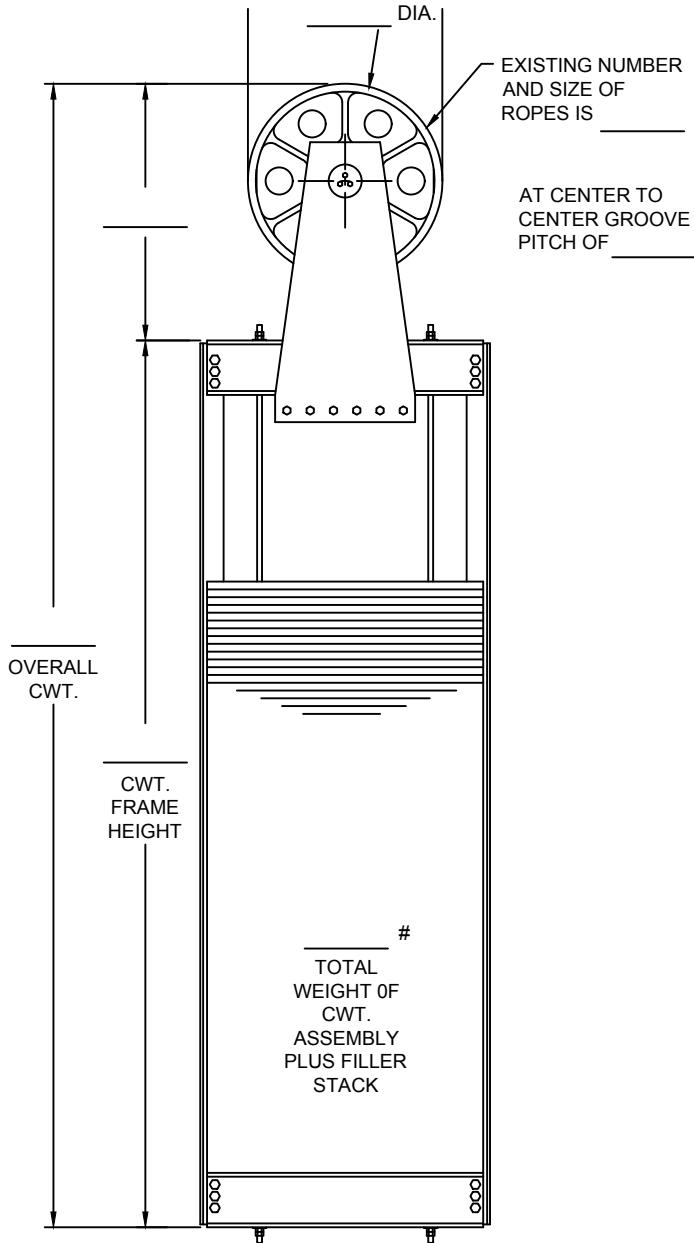
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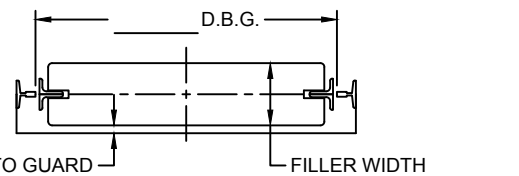
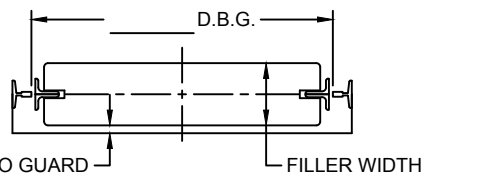
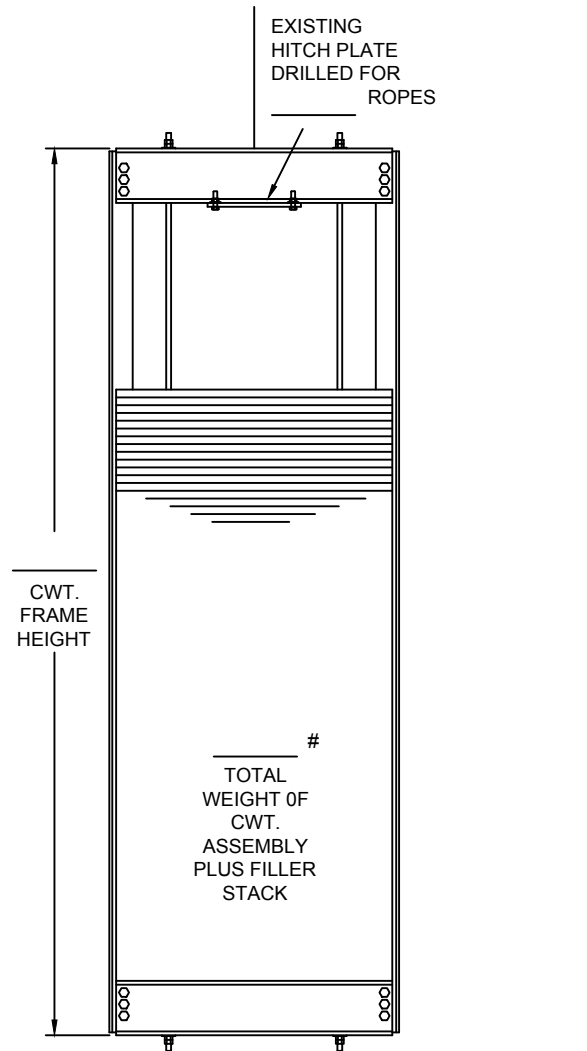
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**EXISTING COUNTERWEIGHT FRAME (WITH AND WITHOUT SHEAVE)**

**EXISTING COUNTERWEIGHT WITH SHEAVE**



**EXISTING COUNTERWEIGHT WITHOUT SHEAVE**





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# ***SURVEYS FOR EQUIPMENT FABRICATION***



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 FAX NO: \_\_\_\_\_

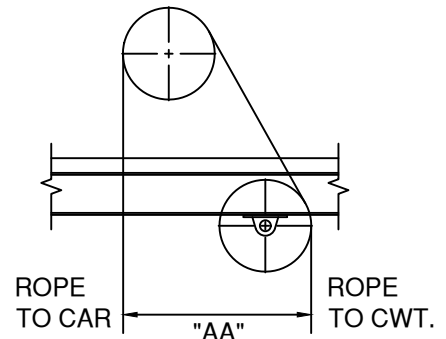
JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 GEARED OVERHEAD MACHINES**

**GEARED MACHINES-  
 OVERHEAD APPLICATION**

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

- 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 PITCH IS: ROPE DIAMETER + 1/4")
- 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")

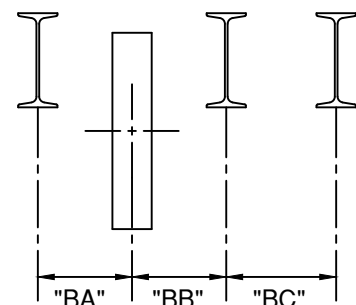


**SKETCH "A"**

**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

**SKETCH "B"**



**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")



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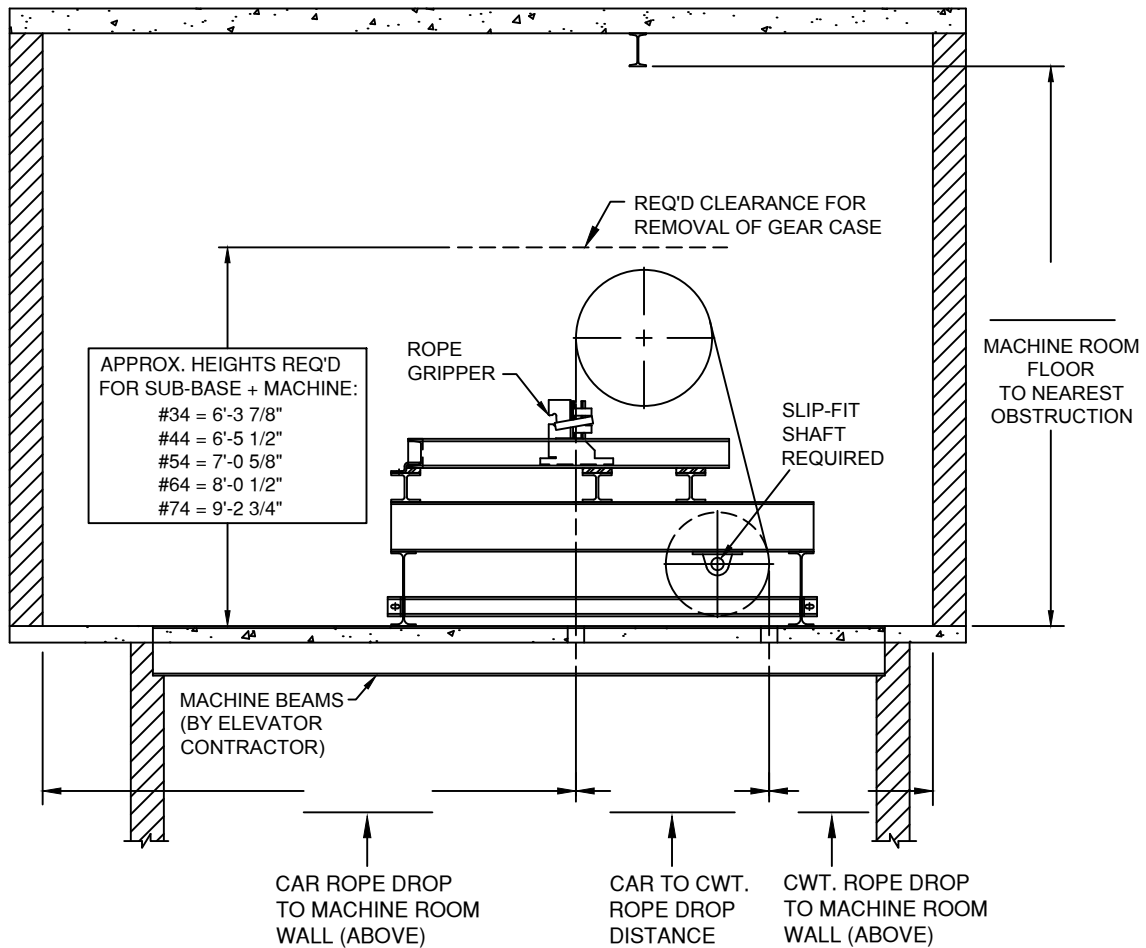
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JOB NAME: \_\_\_\_\_  
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 FROM (H-W): \_\_\_\_\_  
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**INFORMATION REQUIRED TO MANUFACTURE  
 GEARED MACHINE BLOCK-UP ASSEMBLY**

**INSTRUCTIONS:**

1. FILL IN OPEN DIMENSIONS BELOW.
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.





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 ELEVATOR CO. LLC

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 engineering@hwec.com

ENGINEERING CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_

JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 GEARLESS OVERHEAD MACHINES**

**GEARLESS MACHINES-  
 OVERHEAD APPLICATION**

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

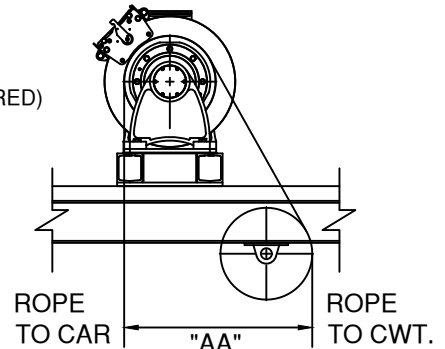
- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_
- ARE YOU RETAINING AN EXISTING 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**

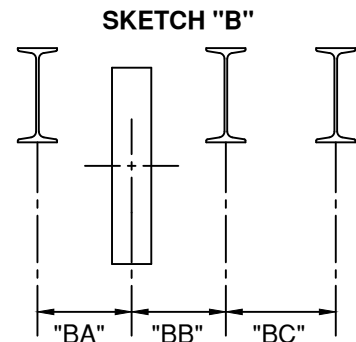
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES: \_\_\_\_\_
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")
- IF DEFLECTOR MOUNTING IN MACHINE ROOM  
 SEE ATTACHED SURVEY E-147

**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"**





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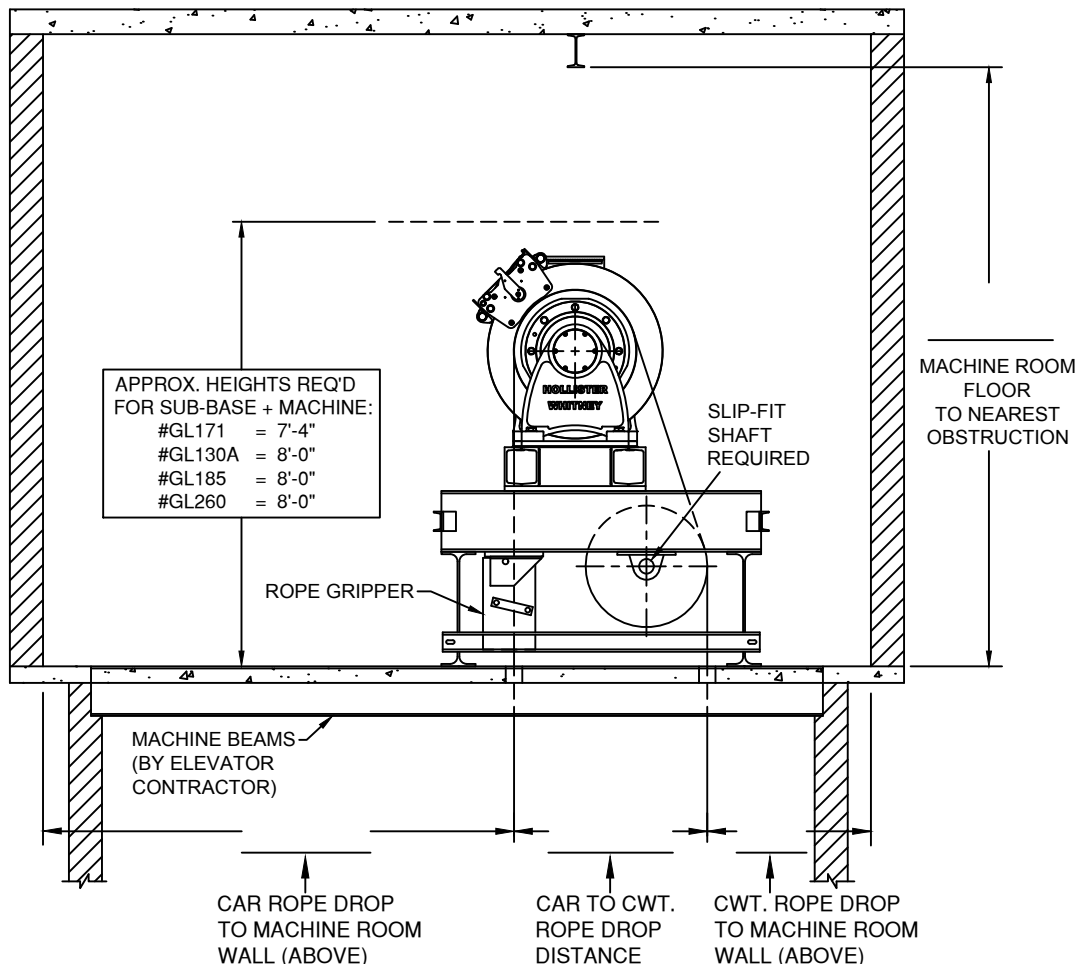
ENGINEERING CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_

JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 GEARLESS MACHINE BLOCK-UP ASSEMBLY**

**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  
 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.





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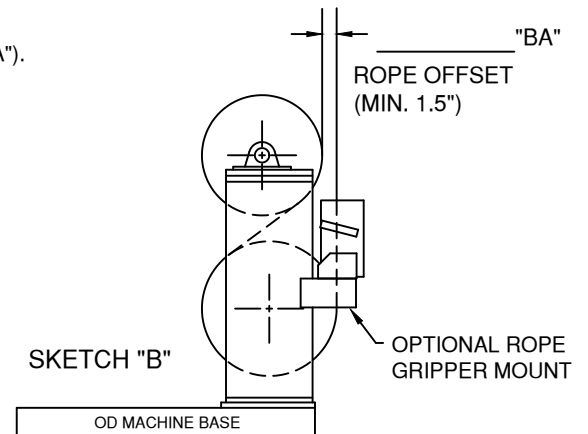
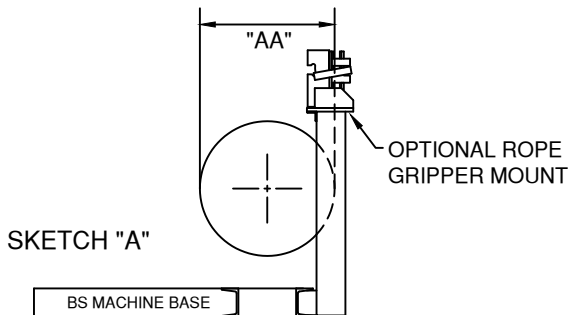
JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 GEARED BASEMENT SET MACHINES**

**GEARED MACHINES-  
 BASEMENT APPLICATION**

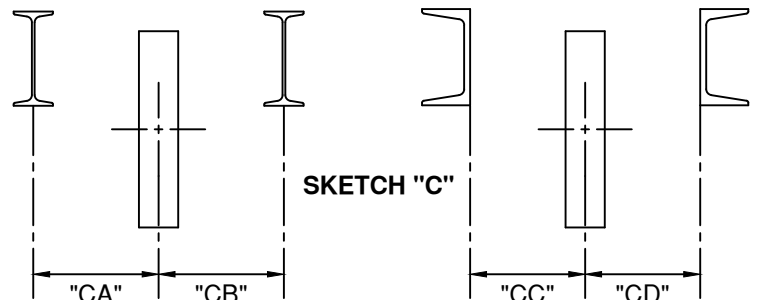
- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- HAND OF MACHINE: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_  
 (H-W STANDARD PITCH IS: ROPE DIAMETER + 1/4")
- 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: \_\_\_\_\_

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



**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")





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 FAX NO: \_\_\_\_\_

JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 GEARLESS BASEMENT MACHINES**

**GEARLESS MACHINES-  
 BASEMENT APPLICATION**

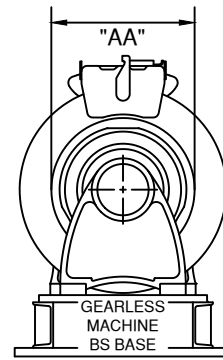
- CAPACITY: \_\_\_\_\_
- CAR SPEED: \_\_\_\_\_
- EMPTY CAR WEIGHT: \_\_\_\_\_
- ROPING (1:1 OR 2:1): \_\_\_\_\_
- TRAVEL: \_\_\_\_\_
- HOIST ROPES: QUANTITY \_\_\_\_\_ SIZE \_\_\_\_\_
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): \_\_\_\_\_  
 (H-W STANDARD PITCH IS: ROPE DIAMETER + 1/4")
- 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: \_\_\_\_\_
- WHAT TRACTION SHEAVE DIAMETER IS REQUIRED:  20" DIA.  25" DIA.

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

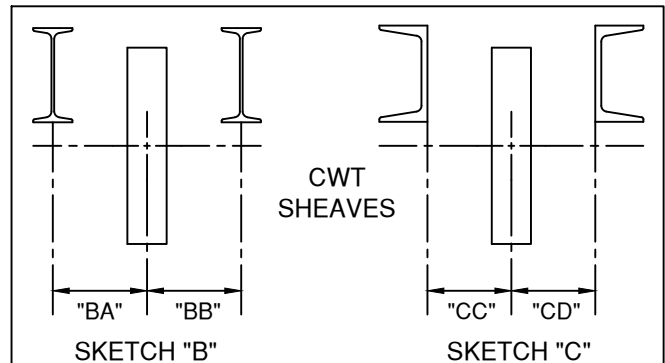
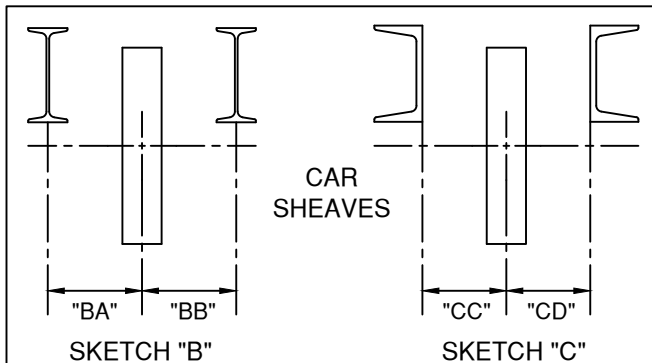
(SEE SKETCH "A" - DIM. "AA")

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

- QUANTITY: CAR SHVS. \_\_\_\_\_ CWT. SHVS. \_\_\_\_\_
  - DIAMETER: CAR SHVS. \_\_\_\_\_ CWT. SHVS. \_\_\_\_\_
  - HOIST ROPES: QUANTITY \_\_\_\_\_
  - HOIST ROPES: SIZE \_\_\_\_\_
  - PITCH OF HOIST ROPES: \_\_\_\_\_
  - CAR BEAM / CHANNEL SIZE: \_\_\_\_\_" H x \_\_\_\_\_" W
  - CWT BEAM / CHANNEL SIZE: \_\_\_\_\_" H x \_\_\_\_\_" W
  - CAR & CWT BEAM / CHANNEL SPACING :
- BEAMS - SKETCH "B" - DIMENSIONS "BA"/ "BB"  
 CHANNELS - SKETCH "C" - DIMENSIONS "CC"/ "CD"



SKETCH "A"





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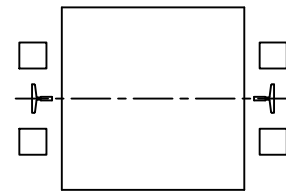
JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 SMALL COMPONENTS**

**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: \_\_\_\_\_

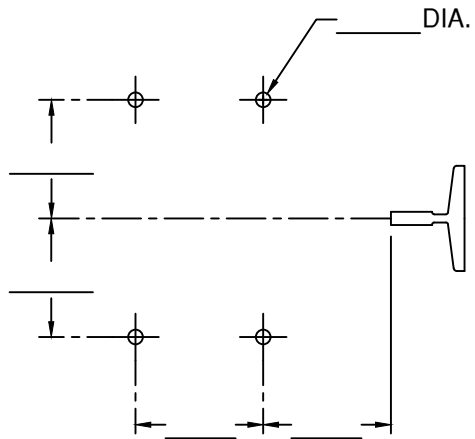
**ENGINEERING INFORMATION:  
 WE REQUIRE ALL MARKED ITEMS**



FRONT  
 SKETCH "D"

**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")
- LIVE SHAFT DIAMETER:  12mm  0.25"  0.75"  1.00"



SKETCH "E"

**TENSION WEIGHTS**

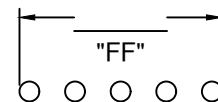
- RAIL SIZE (IN LBS.): \_\_\_\_\_
- SHEAVE DIAMETER (12" OR 16"): \_\_\_\_\_
- GOVERNOR ROPE DIAMETER: \_\_\_\_\_

**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"): \_\_\_\_\_
- SPECIFY LENGTH OF HYDRAULIC HOSE REQUIRED  
 (27" STANDARD, UP TO 8'-0" MAX): \_\_\_\_\_
- GEARED GRIPPER POWER SUPPLY (115V OR 230V): \_\_\_\_\_ V.
- GEARED GRIPPER HAND (LEFT OR RIGHT): \_\_\_\_\_  
 (NOT REQUIRED IF MOUNTED ON OH MACHINE)



SKETCH "F"



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 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_

JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

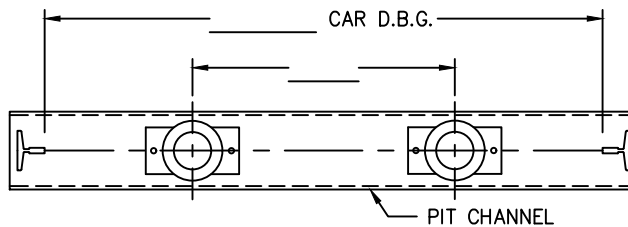
**INFORMATION REQUIRED TO MANUFACTURE  
 BUFFERS & PIT CHANNELS**

- DUTY -
  - SPEED: \_\_\_\_\_
  - CAPACITY: \_\_\_\_\_

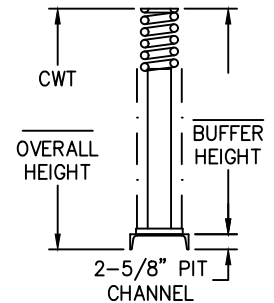
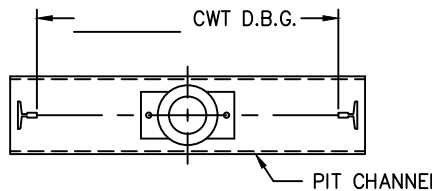
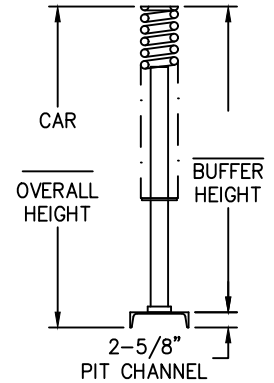
- CAR: PLEASE PROVIDE -
  - D.B.G.: \_\_\_\_\_
  - RAIL SIZE: \_\_\_\_\_ (IN LBS.)
  - CAR WEIGHT: \_\_\_\_\_
  - BUFFER HEIGHT: \_\_\_\_\_
  - OVERALL HEIGHT: \_\_\_\_\_
  - DISTANCE BETWEEN BUFFERS: \_\_\_\_\_

- CWT: PLEASE PROVIDE -
  - D.B.G.: \_\_\_\_\_
  - RAIL SIZE: \_\_\_\_\_ (IN LBS.)
  - CWT. WEIGHT: \_\_\_\_\_
  - BUFFER HEIGHT: \_\_\_\_\_
  - OVERALL HEIGHT: \_\_\_\_\_

- PIT CHANNELS REQUIRED?  CAR  CWT
- HW PIT CHANNELS NORMALLY MOUNT UNDER THE THE GUIDE RAILS OR THEY CAN BE CUT SHORT. ADVISE WHICH OPTION -
  - NORMAL UNDER RAIL MOUNTING.  CUT SHORT OF GUIDE RAILS



**SPRING BUFFERS**

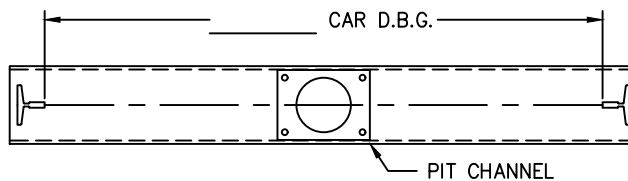


- DUTY -
  - SPEED: \_\_\_\_\_
  - CAPACITY: \_\_\_\_\_

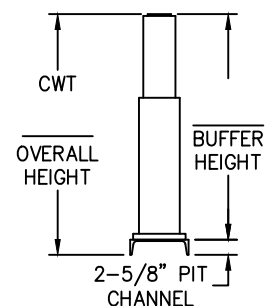
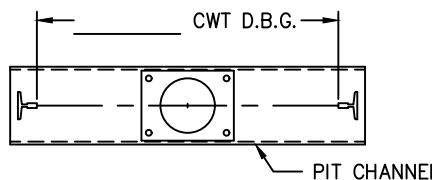
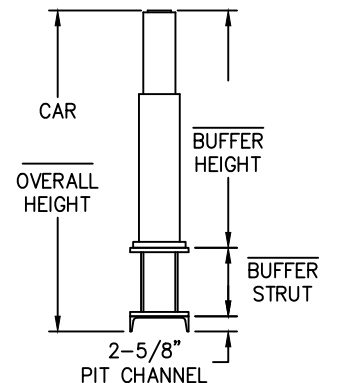
- CAR: PLEASE PROVIDE -
  - D.B.G.: \_\_\_\_\_
  - RAIL SIZE: \_\_\_\_\_ (IN LBS.)
  - CAR WEIGHT: \_\_\_\_\_
  - BUFFER HEIGHT: \_\_\_\_\_
  - OVERALL HEIGHT: \_\_\_\_\_

- CWT: PLEASE PROVIDE -
  - D.B.G.: \_\_\_\_\_
  - RAIL SIZE: \_\_\_\_\_ (IN LBS.)
  - CWT. WEIGHT: \_\_\_\_\_
  - BUFFER HEIGHT: \_\_\_\_\_
  - OVERALL HEIGHT: \_\_\_\_\_

- PIT CHANNELS REQUIRED?  CAR  CWT
- HW PIT CHANNELS NORMALLY MOUNT UNDER THE THE GUIDE RAILS OR THEY CAN BE CUT SHORT. ADVISE WHICH OPTION -
  - NORMAL UNDER RAIL MOUNTING.  CUT SHORT OF GUIDE RAILS



**OIL BUFFERS**





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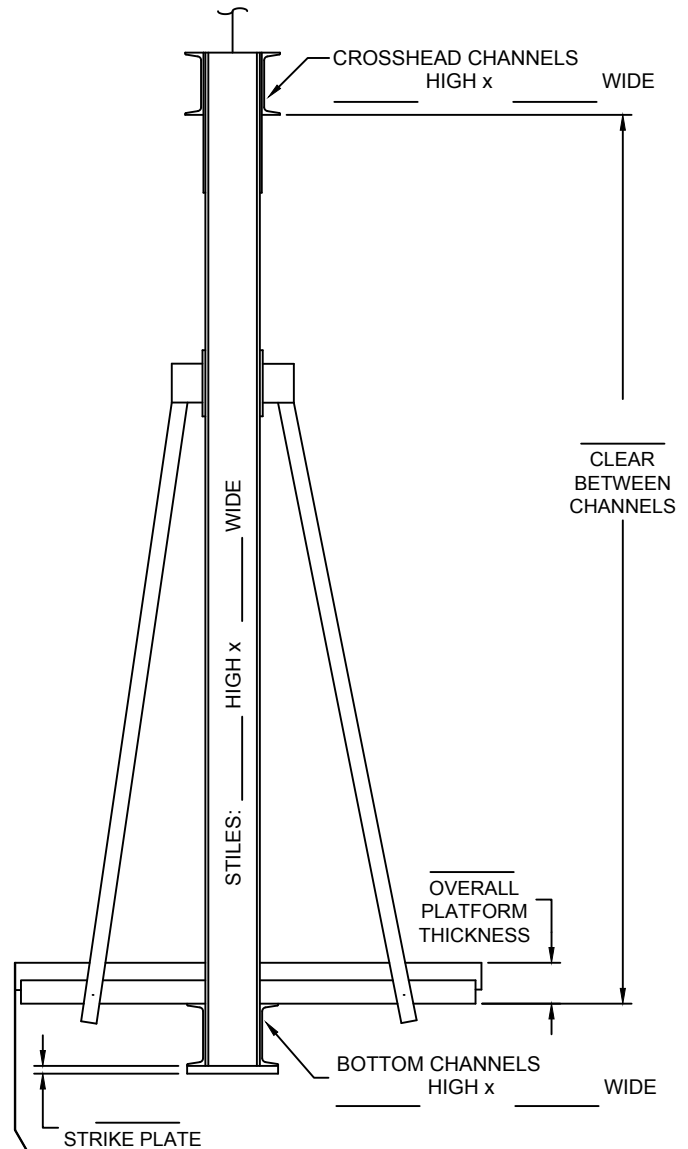
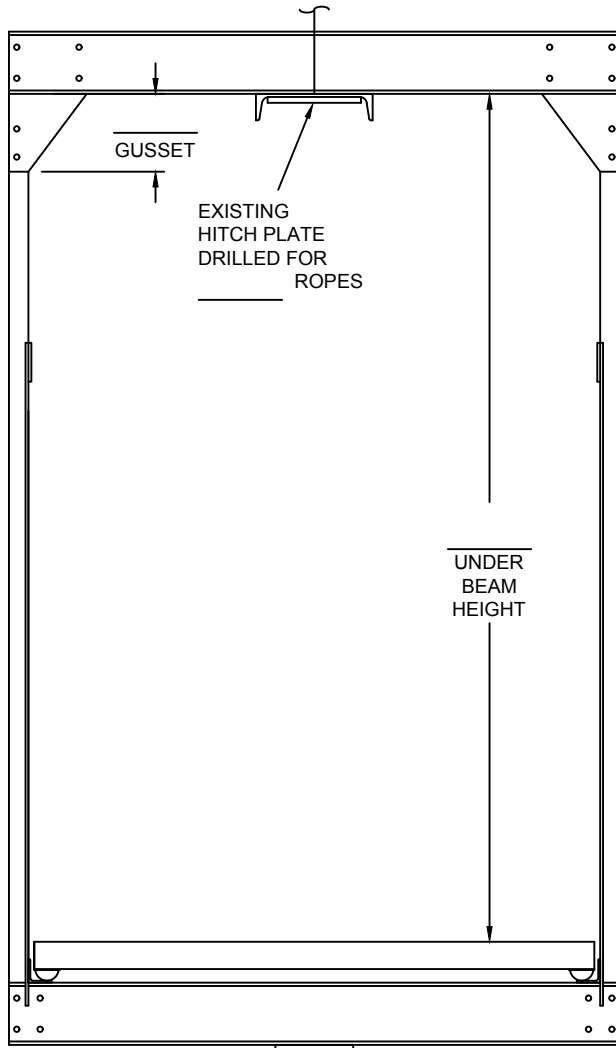
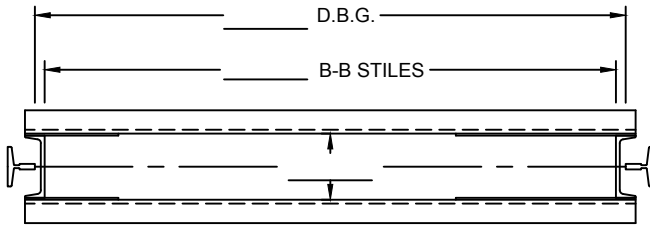
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 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 CAR SLINGS**



**WEIGHTS / DUTY**

CAR SPEED: \_\_\_\_\_ CAPACITY RATING: \_\_\_\_\_  
 LOAD CLASSIFICATION: \_\_\_\_\_ TOTAL EMPTY CAR WEIGHT: \_\_\_\_\_  
 (PASSENGER OR CLASS A, B, C1, C2, C3)



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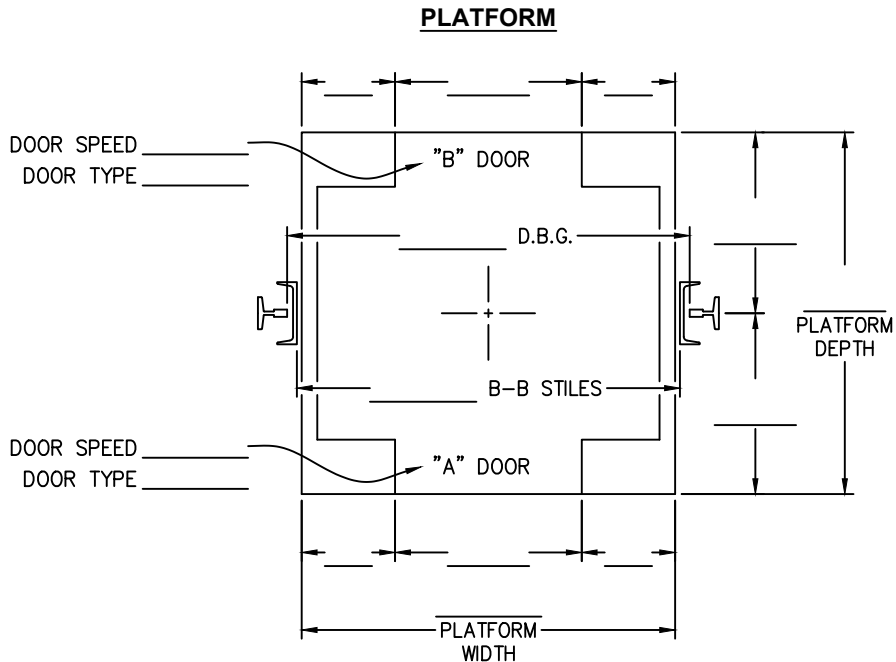
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JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 SIDE-POST PLATFORMS**



**REQUIRE INFORMATION MARKED BELOW:**

- TOTAL EMPTY CAR WEIGHT: \_\_\_\_\_
- CAPACITY RATING: \_\_\_\_\_
- LOAD CLASSIFICATION:  PASSENGER -OR- CLASS:  A  B  C1  C2  C3
- DISTANCE BETWEEN GUIDES (D.B.G.): \_\_\_\_\_
- BACK TO BACK OF CAR SLING STILES: \_\_\_\_\_
- NUMBER OF DOOR OPENINGS: \_\_\_\_\_
- SPEED OF DOOR(S) SINGLE, 2-SPEED, OR 3-SPEED: "A" DOOR - \_\_\_\_\_ : "B" DOOR - \_\_\_\_\_
- TYPE OF DOOR(S) SIDE SLIDE OR CENTER OPENING: "A" DOOR - \_\_\_\_\_ : "B" DOOR - \_\_\_\_\_
- SIZE OF THE DOOR(S) -
  - "A" DOOR; WIDTH: \_\_\_\_\_ BY HEIGHT: \_\_\_\_\_
  - "B" DOOR; WIDTH: \_\_\_\_\_ BY HEIGHT: \_\_\_\_\_
- LOCATION OF THE DOOR(S) BY FILLING IN THE DIMENSIONS OF EACH SIDE OF THE DOOR(S), ON ABOVE SKETCH.
- IF ALL STEEL PLATFORM, CAR SILL DETAIL IS REQUIRED: \_\_\_\_\_



#1 Hollister-Whitney Parkway  
 Quincy, IL 62305  
 Phone: 217-222-0466  
 Fax: 217-222-0493

*Hollister-Whitney*  
 ELEVATOR CO. LLC

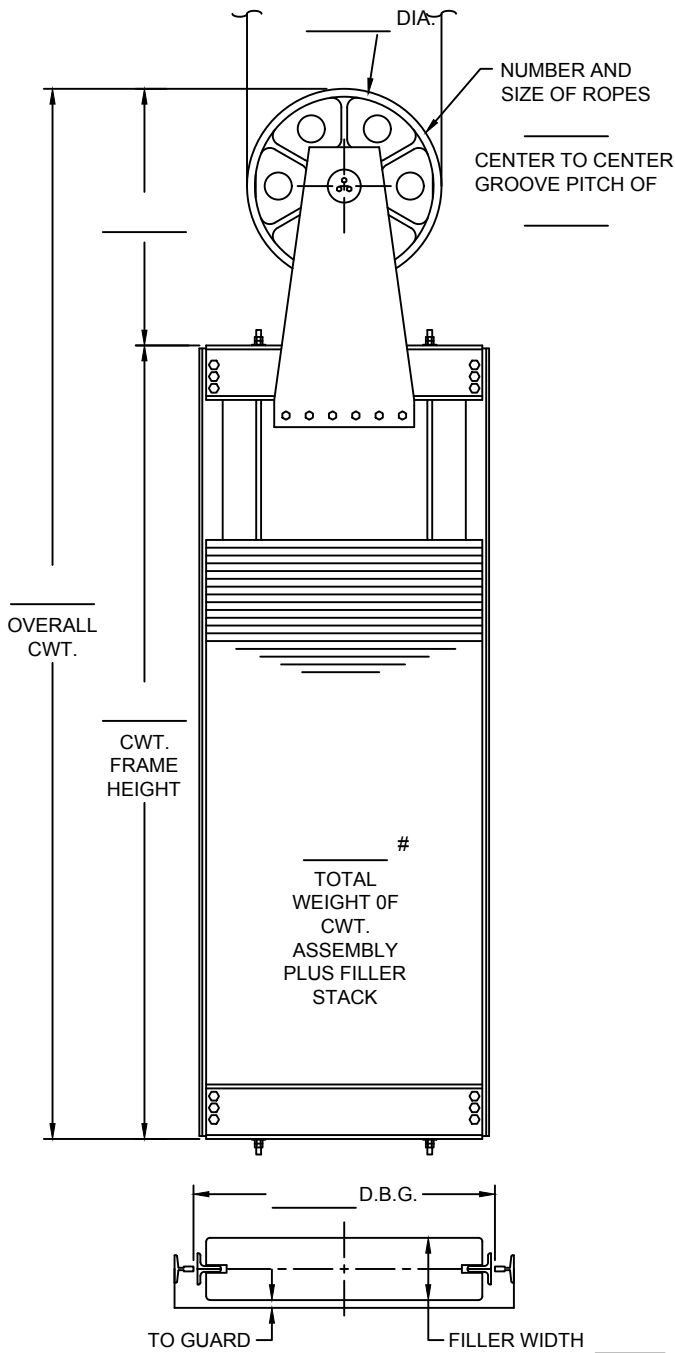
www.hollisterwhitney.com  
 sales@hwec.com  
 layouts@hwec.com  
 engineering@hwec.com

ENGINEERING CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_

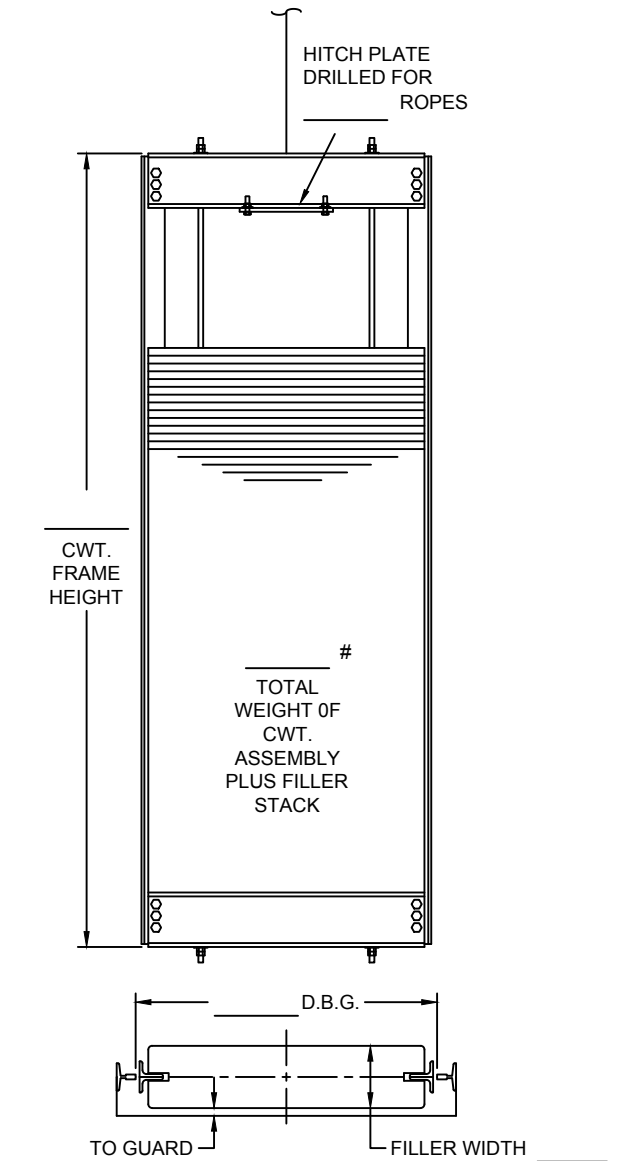
JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 COUNTERWEIGHT FRAMES**

**COUNTERWEIGHT WITH SHEAVE**



**COUNTERWEIGHT WITHOUT SHEAVE**







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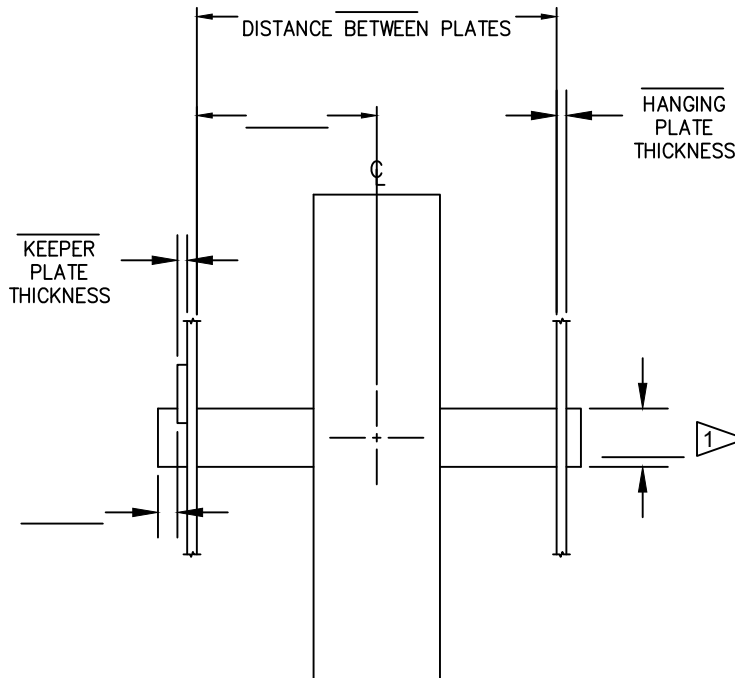
*Hollister-Whitney*  
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www.hollisterwhitney.com  
 sales@hwec.com  
 layouts@hwec.com  
 engineering@hwec.com

ENGINEERING CONTACT: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 FAX NO: \_\_\_\_\_

JOB NAME: \_\_\_\_\_  
 ELEV. #: \_\_\_\_\_ H-W #: \_\_\_\_\_  
 FROM (H-W): \_\_\_\_\_  
 DATE: \_\_\_\_\_

**INFORMATION REQUIRED TO MANUFACTURE  
 HANGING SHEAVES**



**PROVIDE OPEN DIMENSIONS ABOVE**

1 HW TYPICAL SHAFT DIAMETER FOR HEAVY DUTY DEFLECTOR, CAR, CWT, AND OVERHEAD SHEAVES IS 3.438" - 3.440. IF YOU REQUIRE A SMALLER DIAMETER FOR YOUR EXISTING CONDITIONS, PROVIDE YOUR SHAFT DIAMETER IN NEAREST THOUSANDTHS.