



Hollister-Whitney Elevator Corporation

#1 Hollister-Whitney Parkway
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Ph: 217-222-0466 Fax: 217-222-0493

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FIELD SURVEYS



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Form E-120-2 (sheet 1)	Layout Drawing Information (Machine Rm. Only)
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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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 sales dept. email: sales@hwec.com

LAYOUT DRAWING INFORMATION (FULL LAYOUT)

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.
- 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. Guide Shoes: Mfr.: _____ Car Shoe Model: _____ Cwt. Shoe Model: _____
16. 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)
17. Machine: Mfr.: _____ Model: _____ Type (Geared / Gearless): _____
(If not being supplied by H-W, forward a job specific drawing of the machine.)
18. Hoist Motor (Geared Machine): Mfr.: _____ HP: _____ RPM: _____ Frame Size: _____
(If not being supplied by H-W)
19. Controller: Mfr.: _____ Model No.: _____ Size: _____ W. _____ D. _____ H.
20. Other Equipment in Machine Room: List all items and provide sizes:

21. Drive Manufacturer (required if H-W is supplying a gearless machine):
 KEB Magnetek Other (cable will be provided by customer)
22. 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
23. 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.
24. 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.

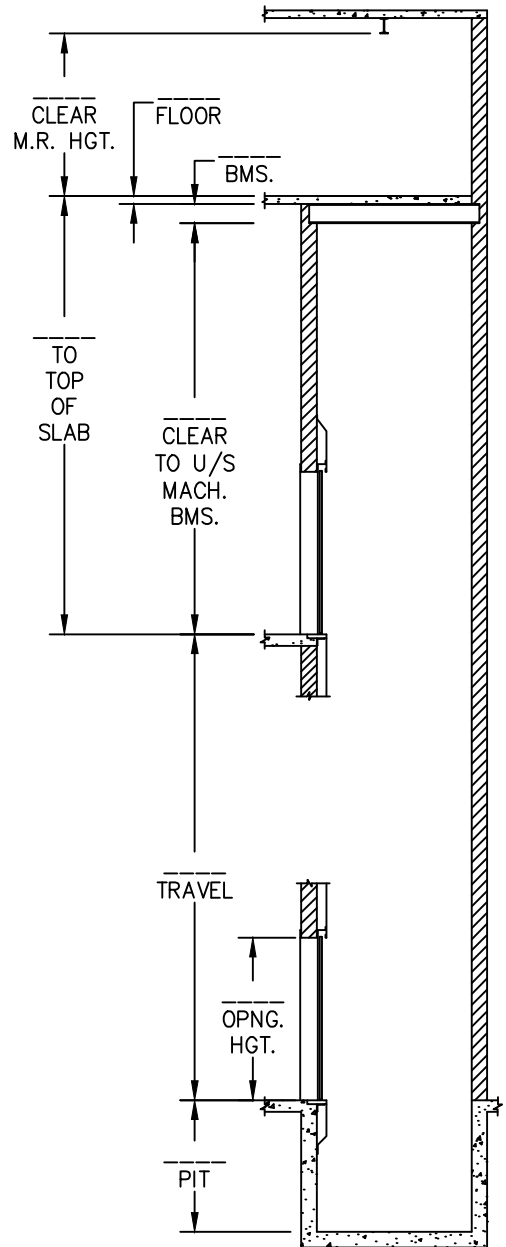
MRL Applications:

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.

FLOOR HEIGHTS AND ELEVATIONS

FLOOR SCHEDULE														
FLOOR TO FLOOR HEIGHT	FLOOR MARKING	OPENINGS (FRONT / REAR / SIDE)												
		CAR # _____			CAR # _____			CAR # _____			CAR # _____			
		F	R	S	F	R	S	F	R	S	F	R	S	
TOTAL:														

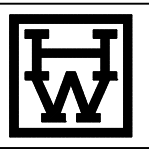


IS THE PIT ACCESSED BY LADDER? _____
 OR BY WALK-IN ACCESS DOOR? _____
 OCCUPIED SPACE BELOW THE PIT? _____

INSTRUCTIONS:

1. USE THE CHART TO INDICATE ALL FLOOR MARKINGS.
2. LIST THE FLOOR TO FLOOR HEIGHTS.
3. INDICATE WHICH FLOORS ARE SERVED BY THE FRONT/REAR/SIDE ENTRANCES.
4. AT THE BOTTOM OF THE CHART INDICATE THE TOTAL NUMBER OF FLOORS SERVED BY THE FRONT/REAR/SIDE ENTRANCES.
5. ON THE DIAGRAM TO THE RIGHT INDICATE THE PIT DEPTH, OVERALL TRAVEL, AND OVERHEAD HEIGHTS.

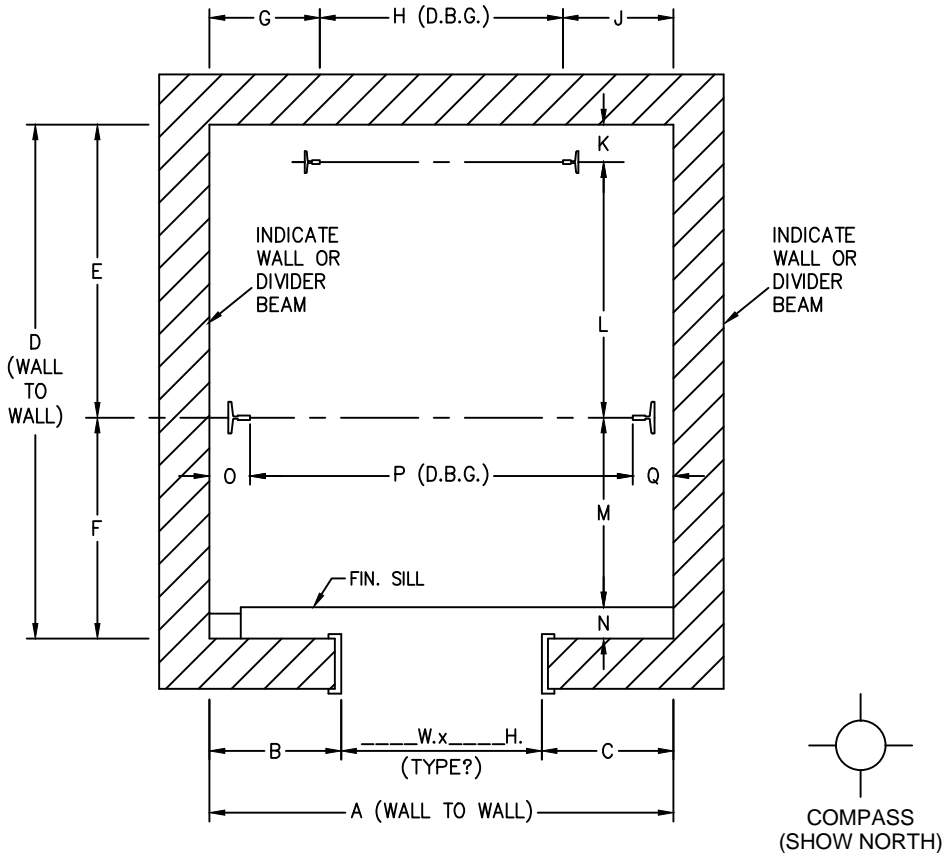
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



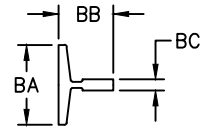
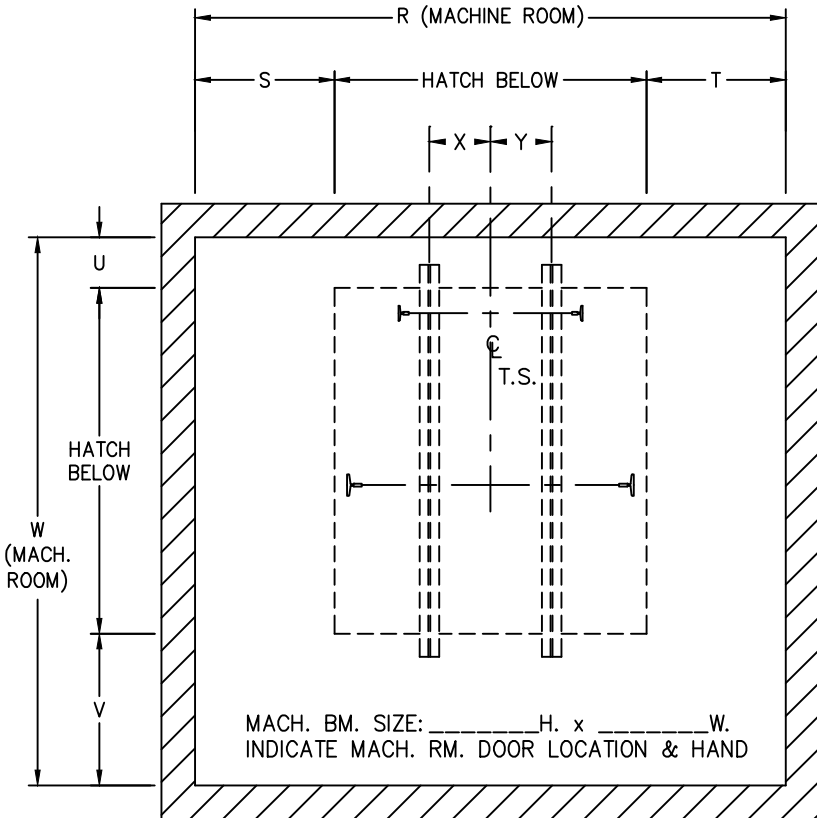
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E-172 EXISTING SHAFT SURVEY (SHT. 2)

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.		

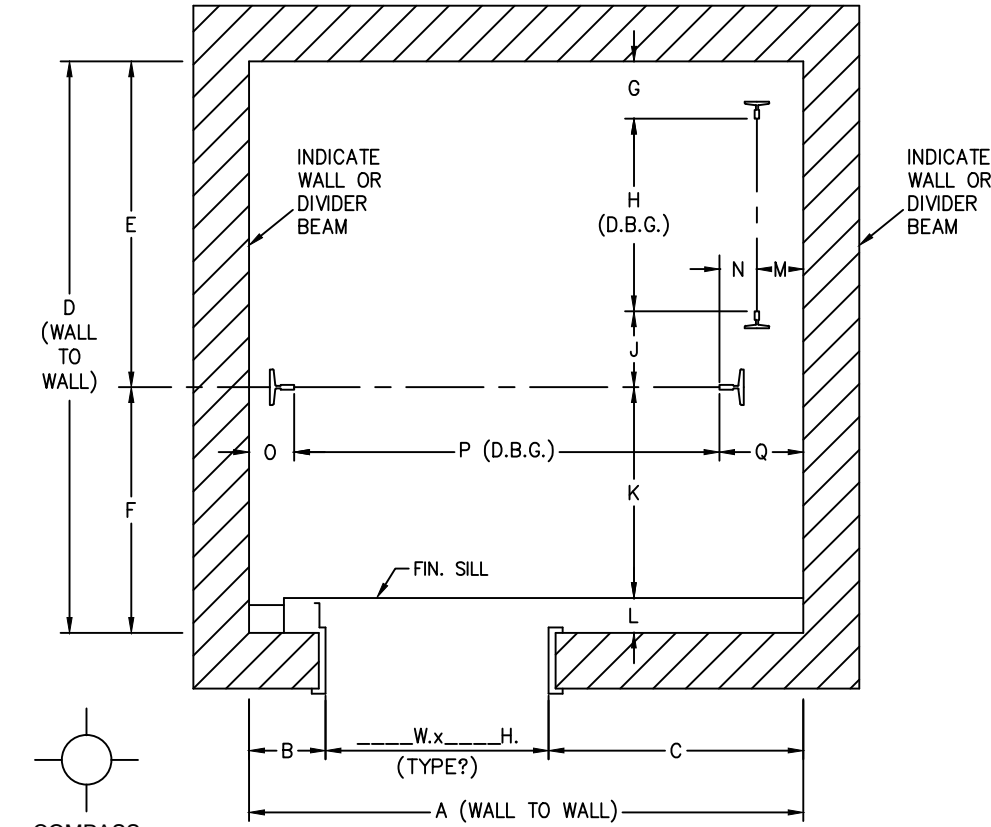
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



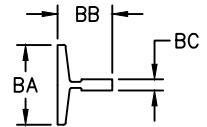
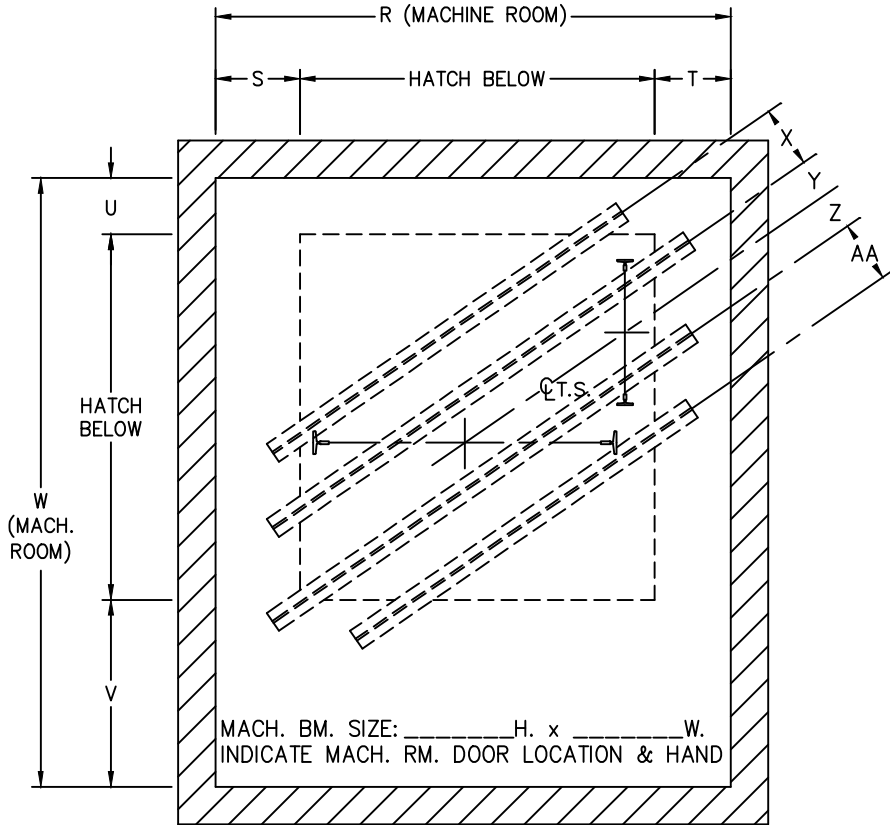
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E-172 EXISTING SHAFT SURVEY (SHT. 3)

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.		

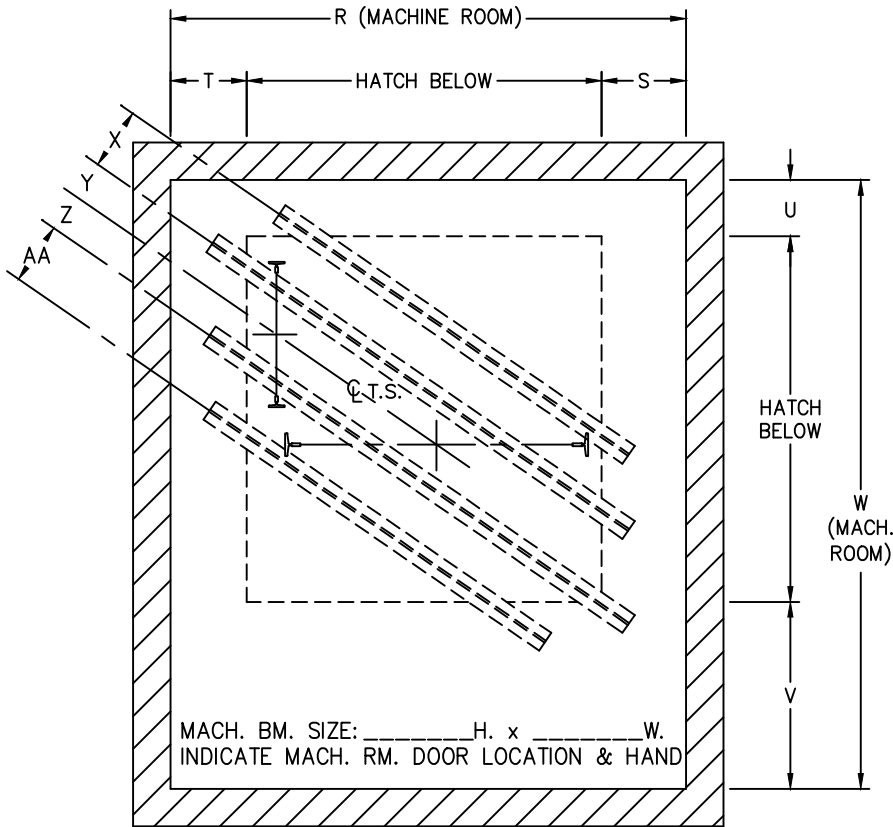
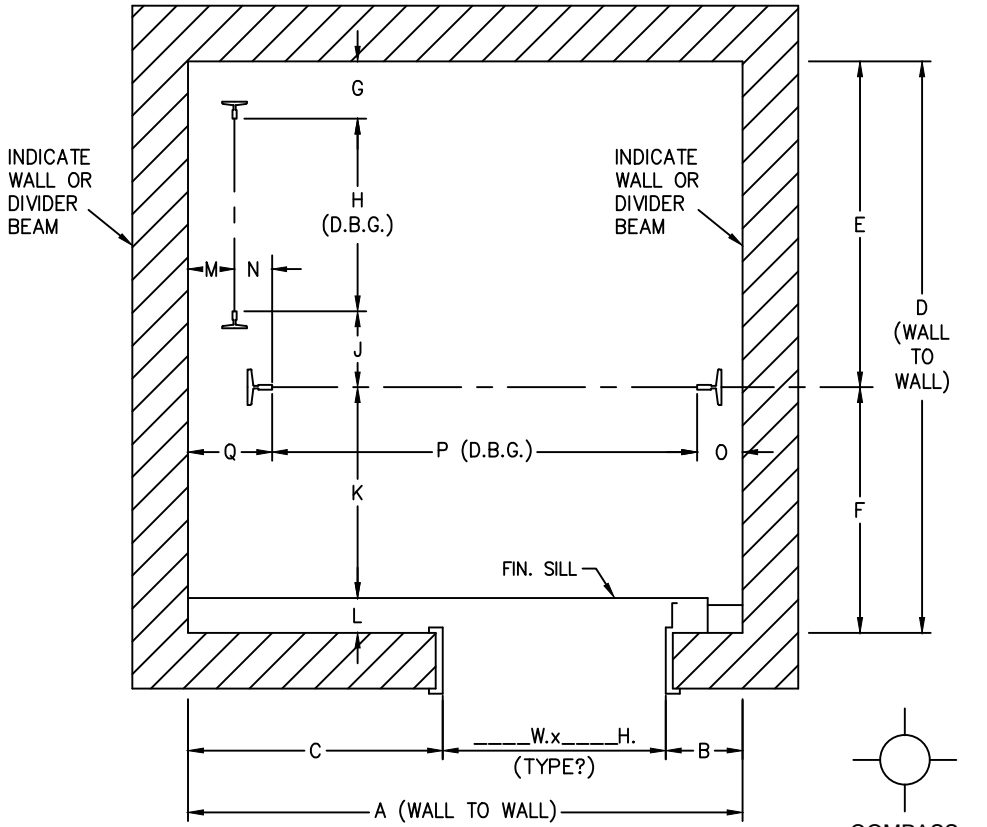
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



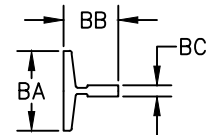
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E-172 EXISTING SHAFT SURVEY (SHT. 4)

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.		

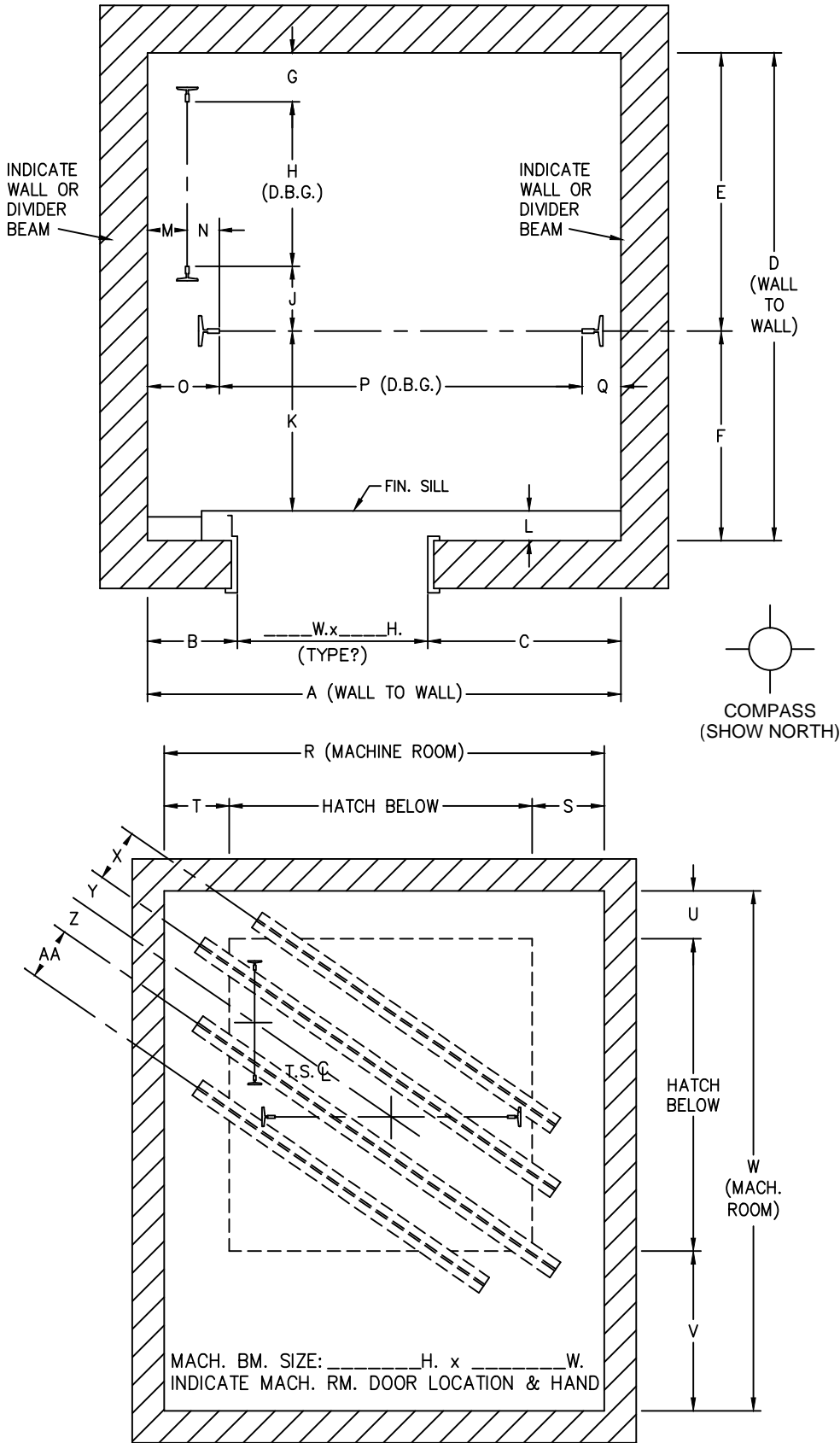
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



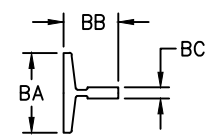
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E-172 EXISTING SHAFT SURVEY (SHT. 5)

SINGLE OPENING -
LEFT HAND DOOR -
CWT. ON LEFT



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
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G	
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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.		

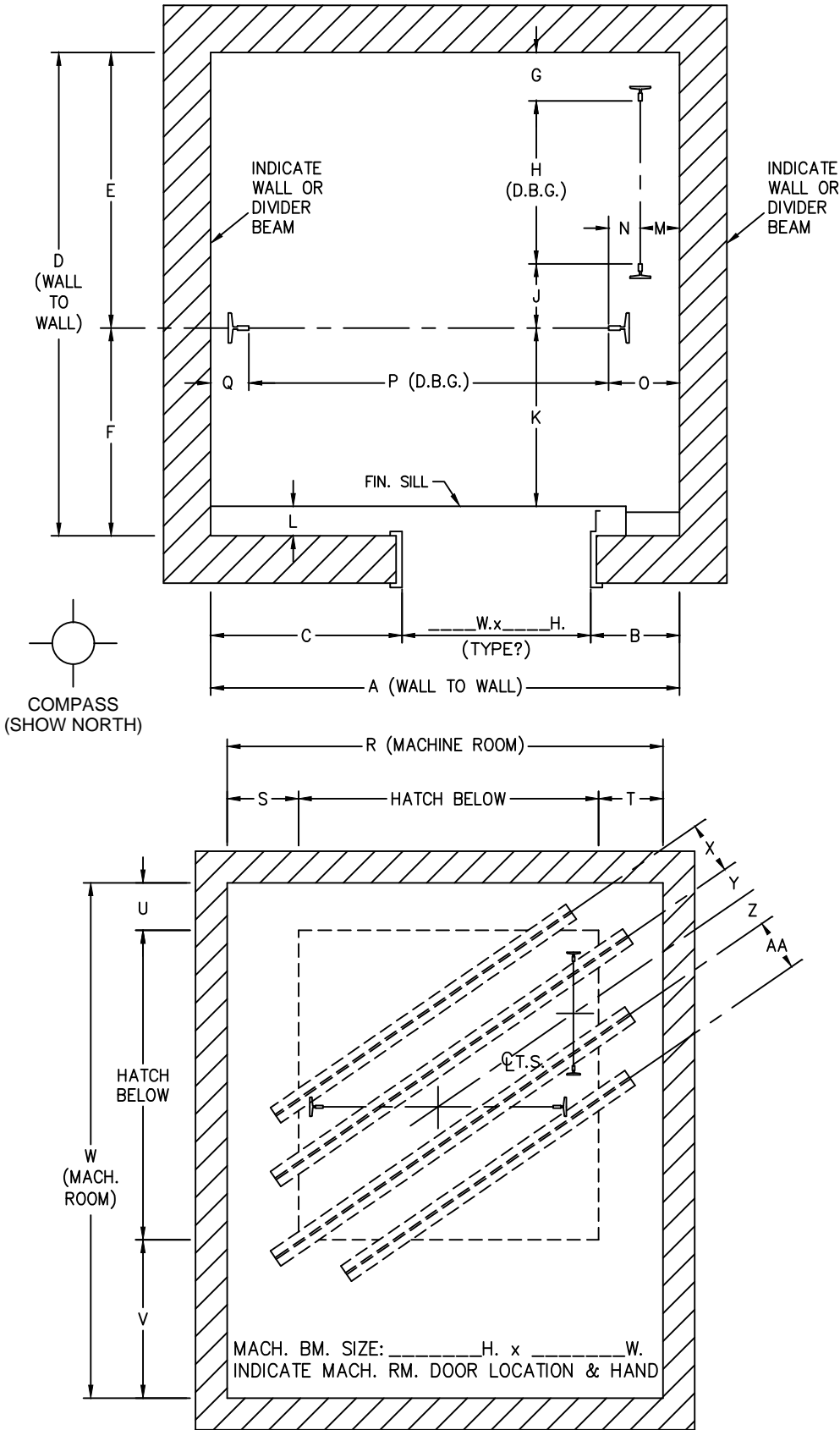
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



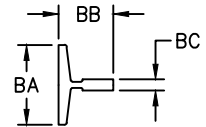
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E-172 EXISTING SHAFT SURVEY (SHT. 6)

SINGLE OPENING -
RIGHT HAND DOOR -
CWT. ON RIGHT

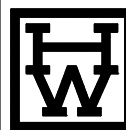


DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
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F	
G	
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J	
K	
L	
M	
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O	
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Q	
R	
S	
T	
U	
V	
W	
X	
Y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



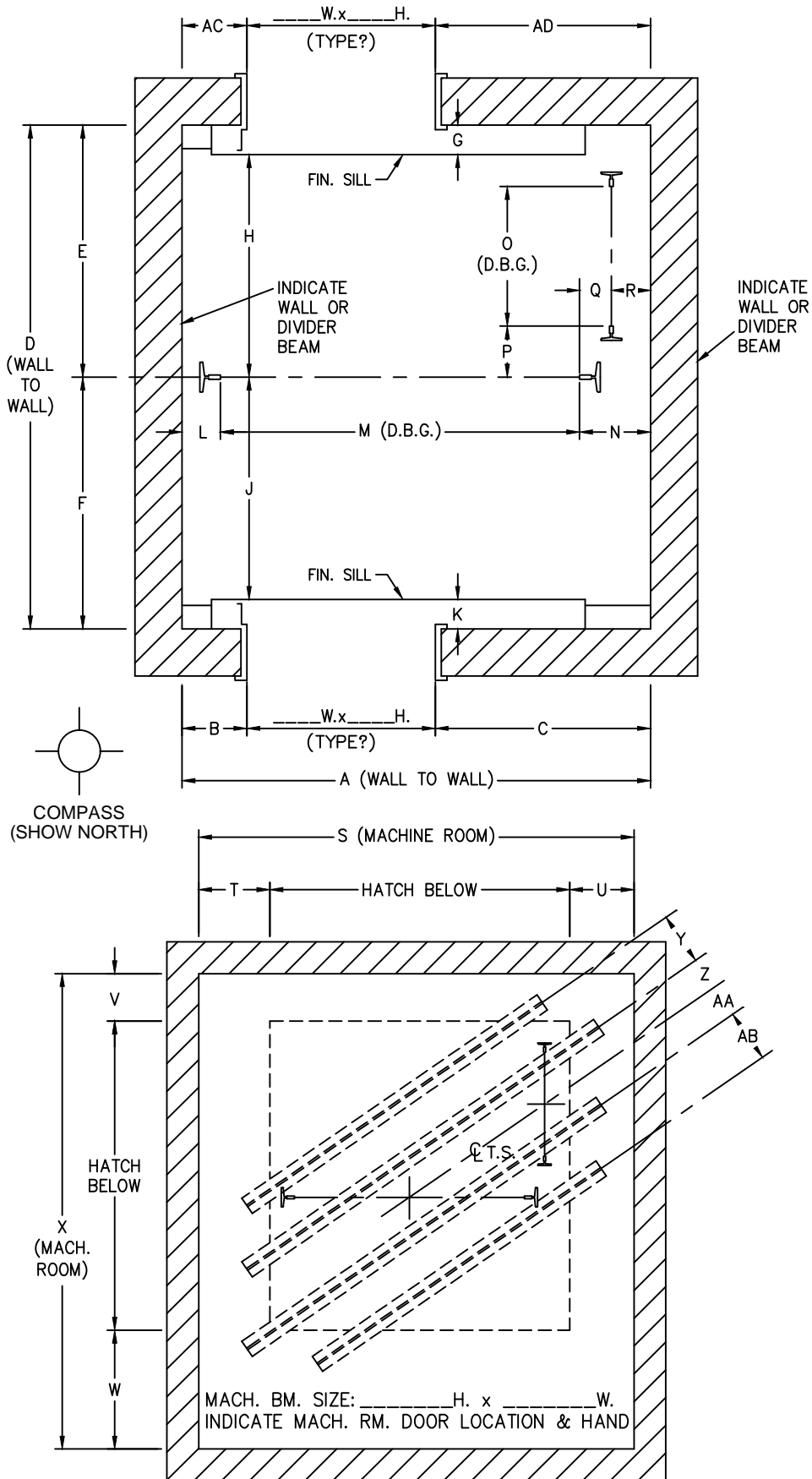
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



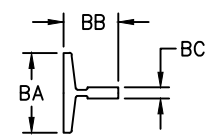
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E-172 EXISTING SHAFT SURVEY (SHT. 7)



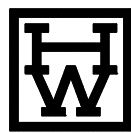
DOUBLE OPENING -
LEFT HAND DOOR -
CWT. ON RIGHT

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



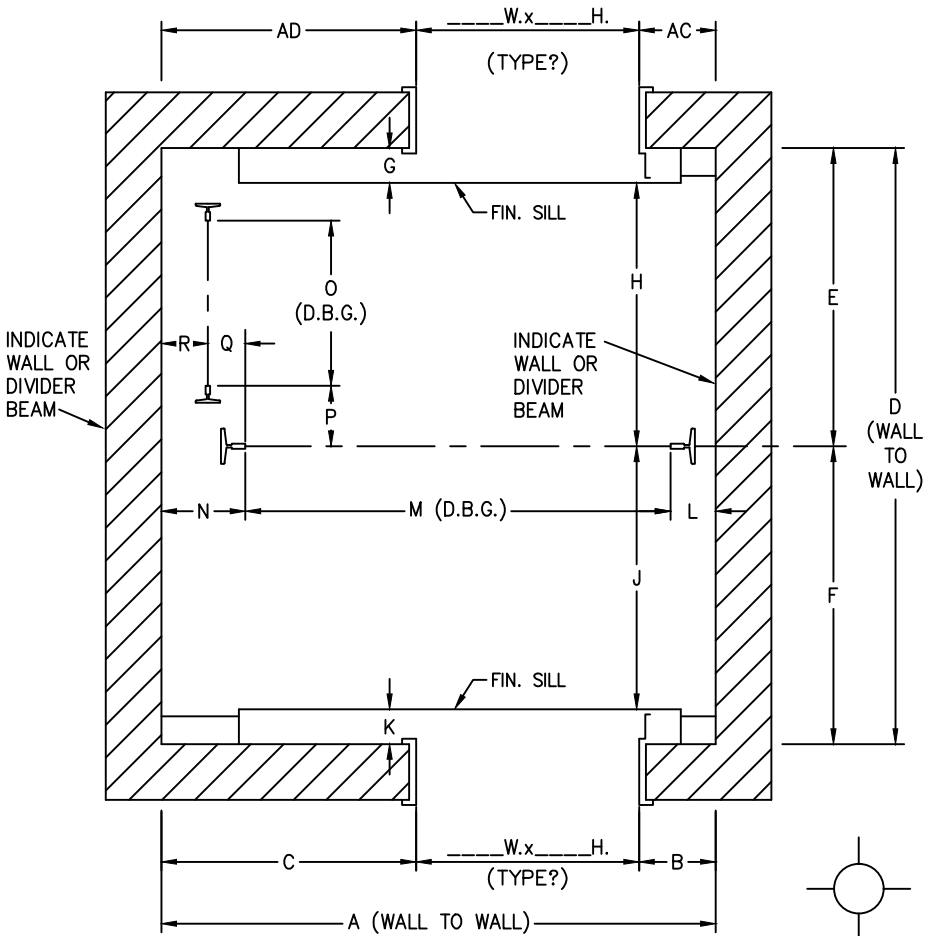
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



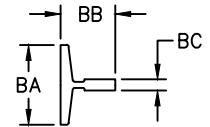
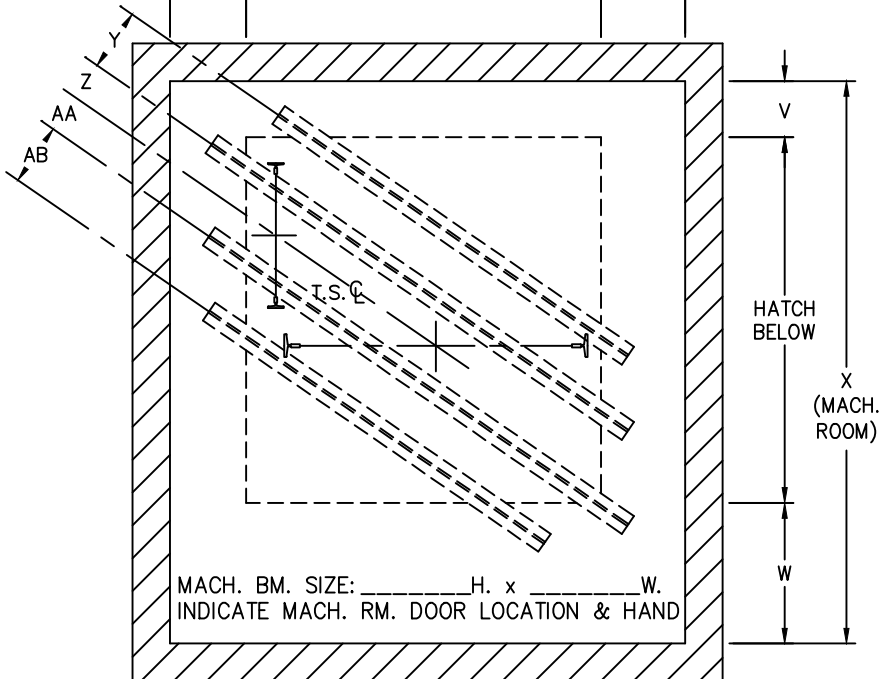
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E-172 EXISTING SHAFT SURVEY (SHT. 8)



DOUBLE OPENING -
RIGHT HAND DOOR -
CWT. ON LEFT

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



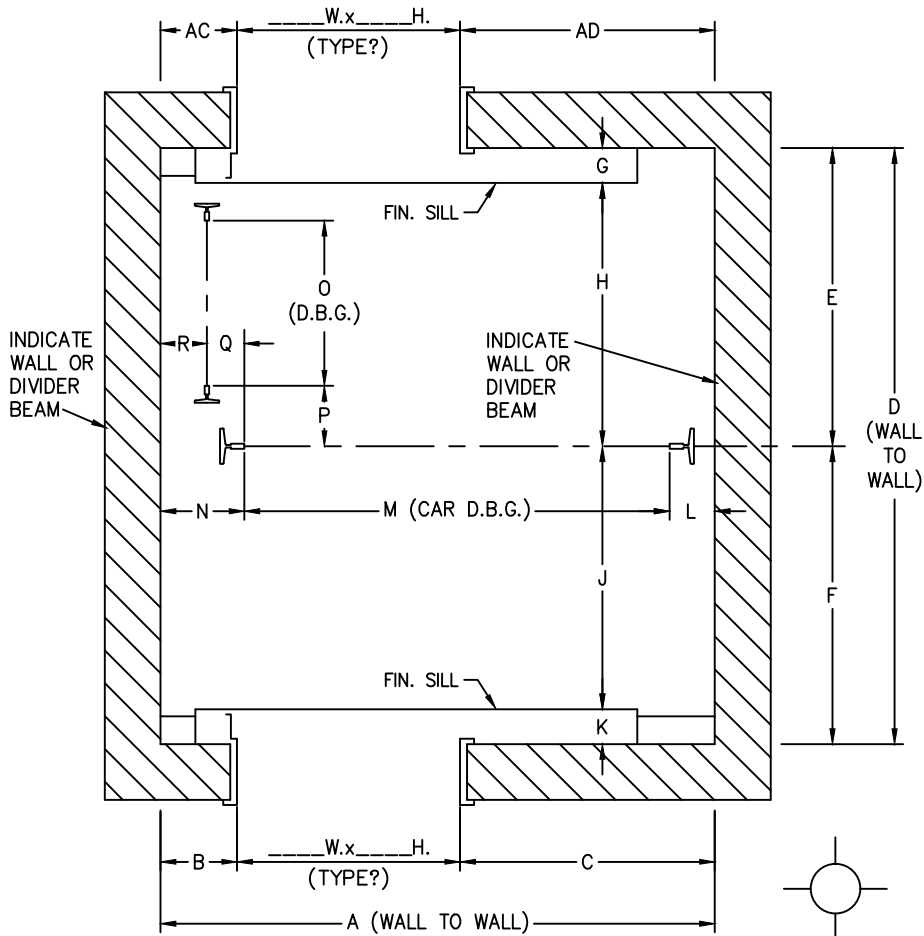
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



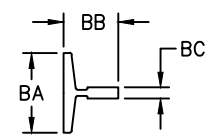
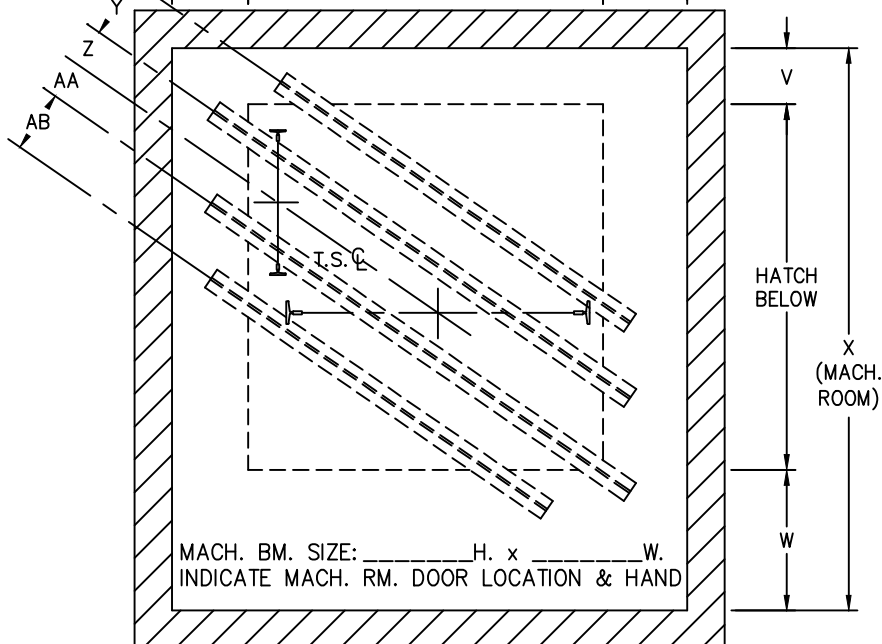
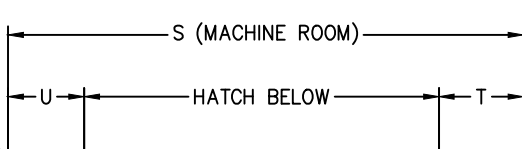
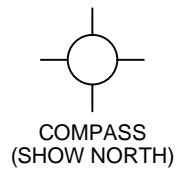
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E-172 EXISTING SHAFT SURVEY (SHT. 9)



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.		

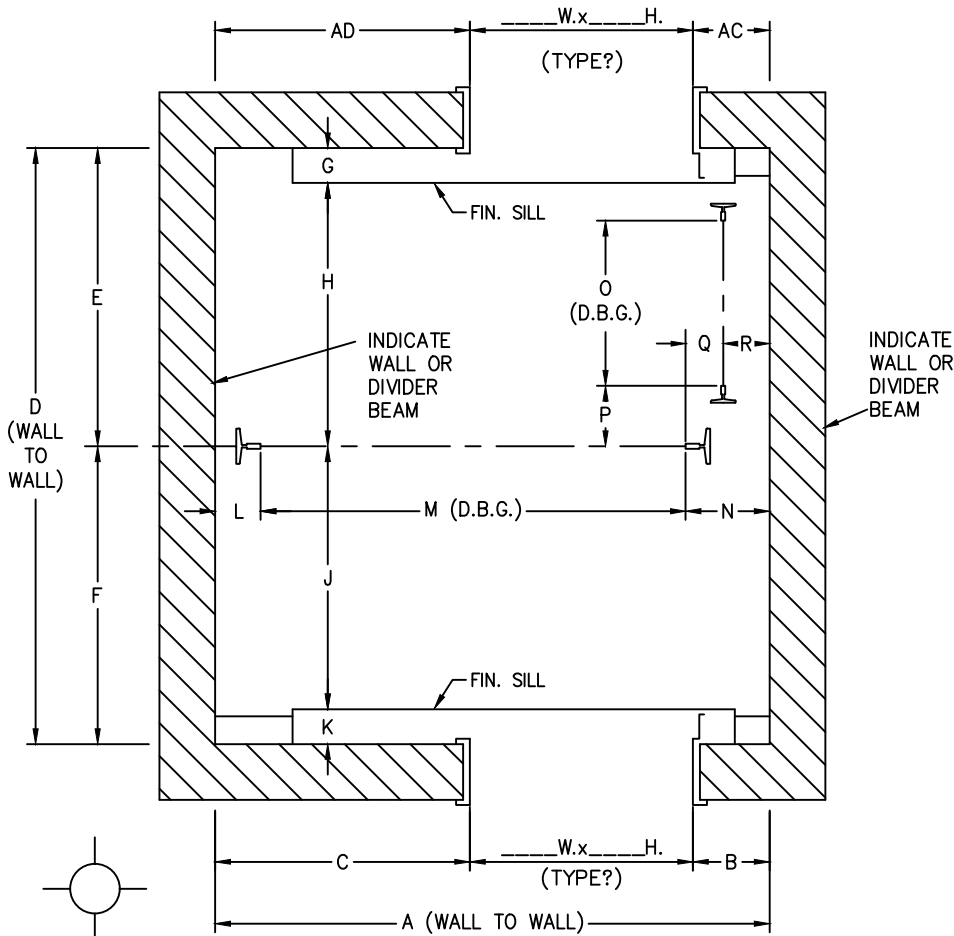
ELEV. CONTR. _____
 JOB NAME _____
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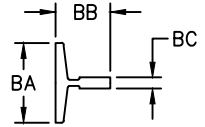
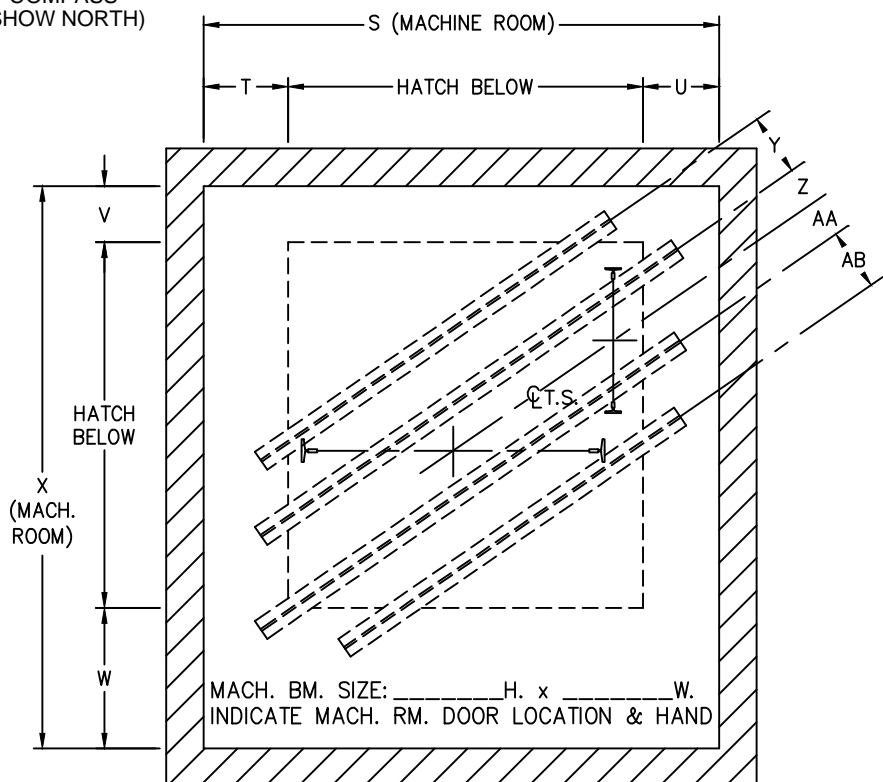
E-172 EXISTING SHAFT SURVEY (SHT. 10)

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	

COMPASS
(SHOW NORTH)



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

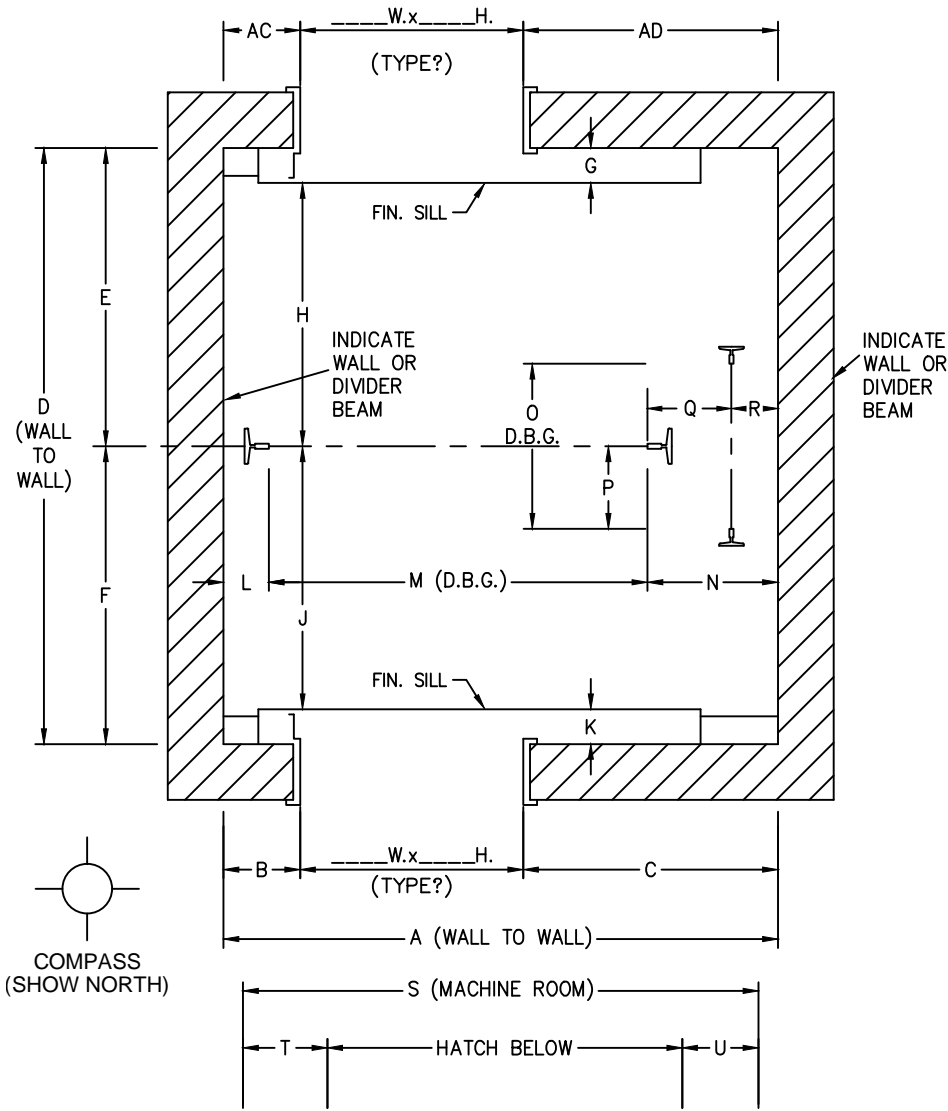
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



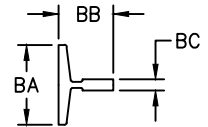
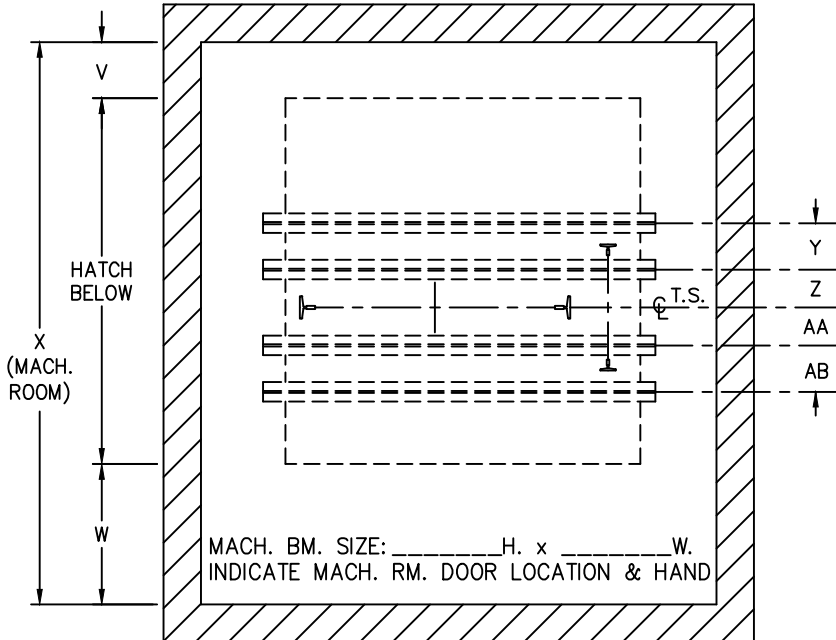
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 email: engineering@hwec.com

E-172 EXISTING SHAFT SURVEY (SHT. 11)

DOUBLE OPENING -
LEFT HAND DOOR -
CWT. ON RIGHT

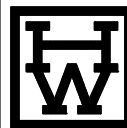


DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
AA	
AB	
AC	
AD	



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

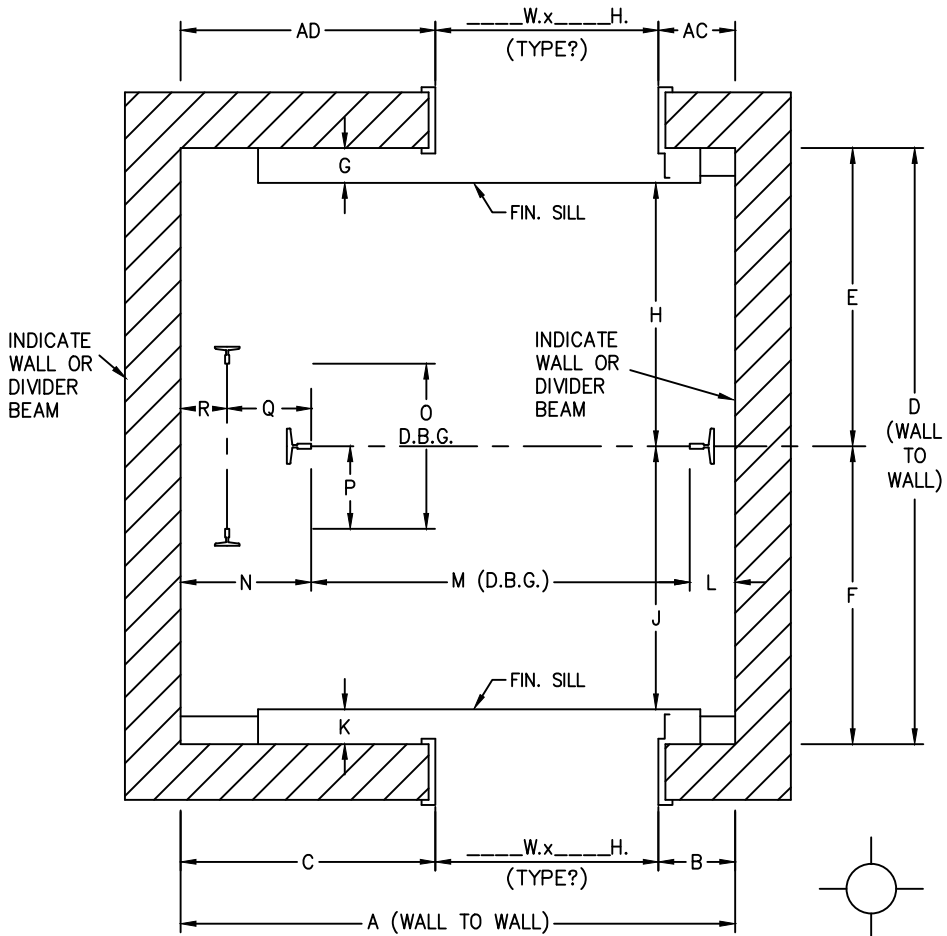
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



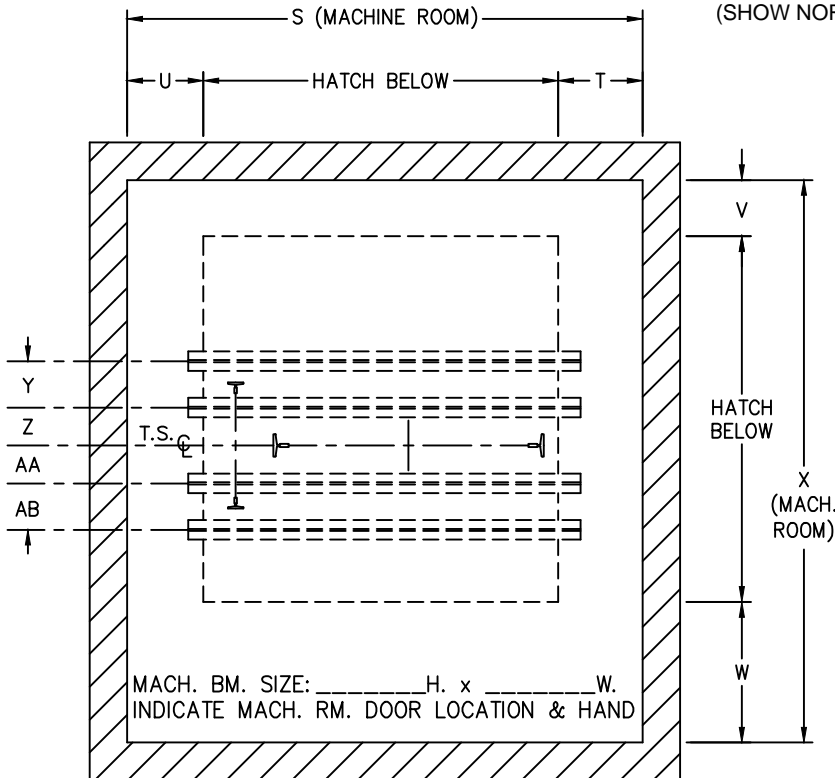
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 email: engineering@hwec.com

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	
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Y	
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AA	
AB	
AC	
AD	



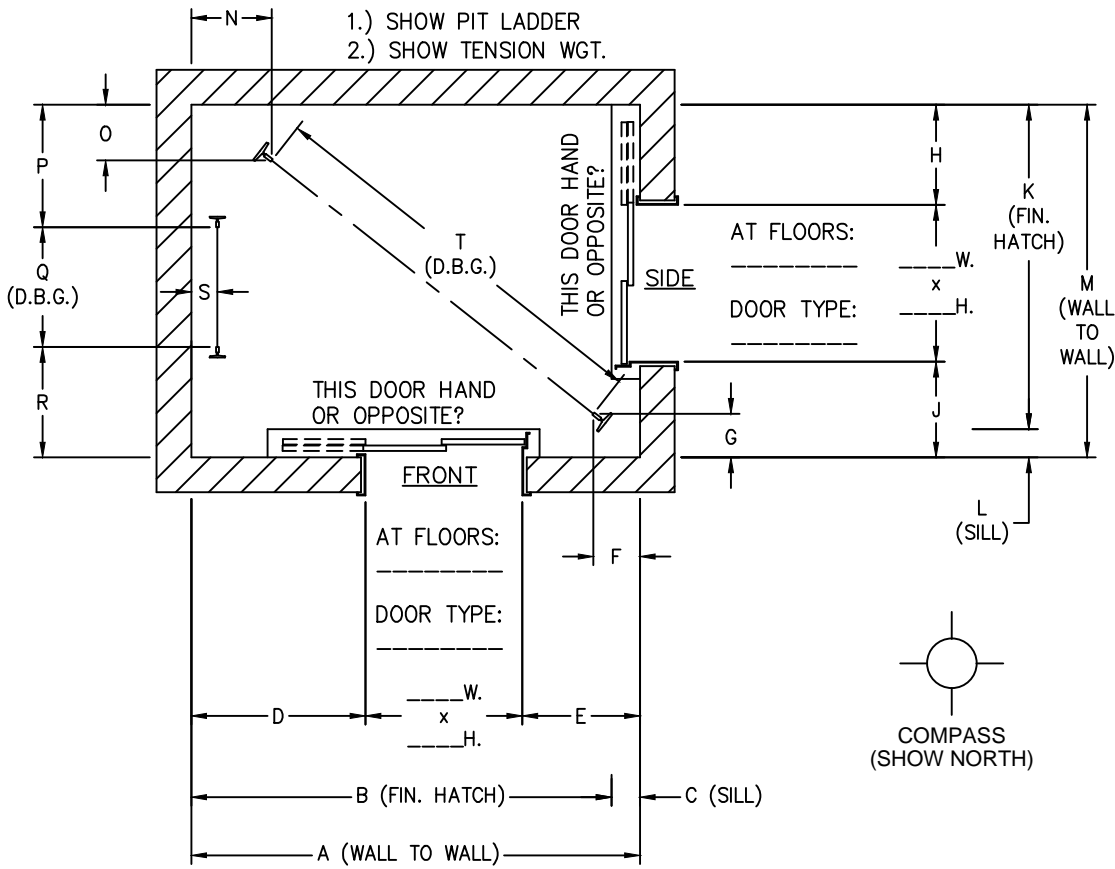
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____

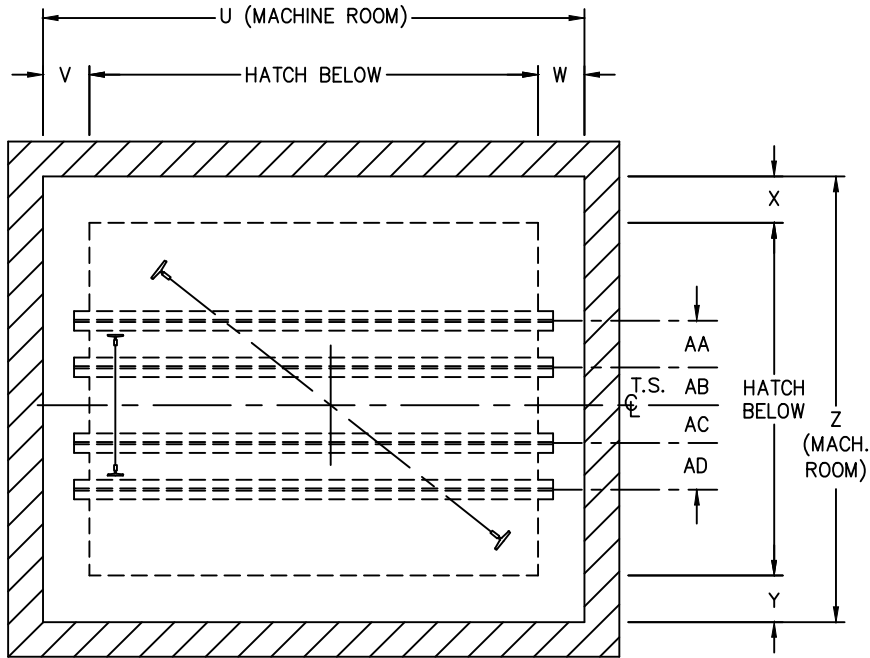


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CORNERPOST - FRONT AND RIGHT SIDE OPENINGS - CWT. ON LEFT



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

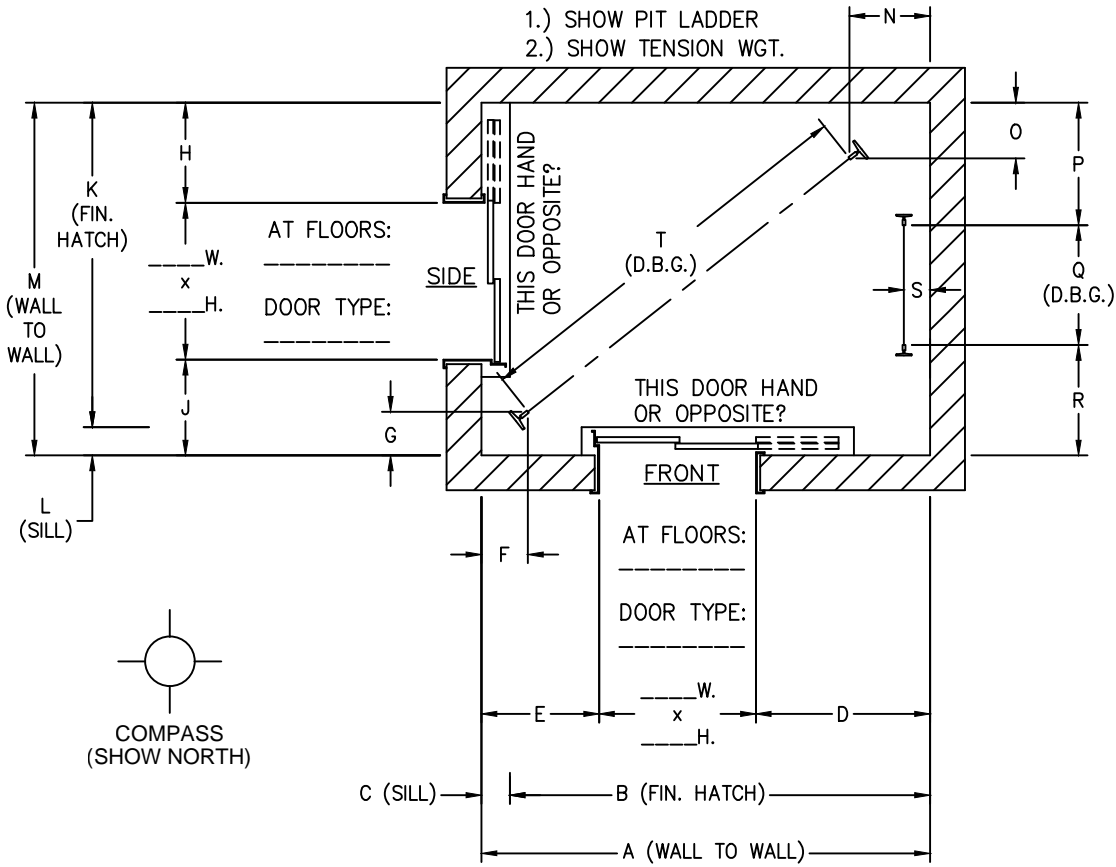
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____

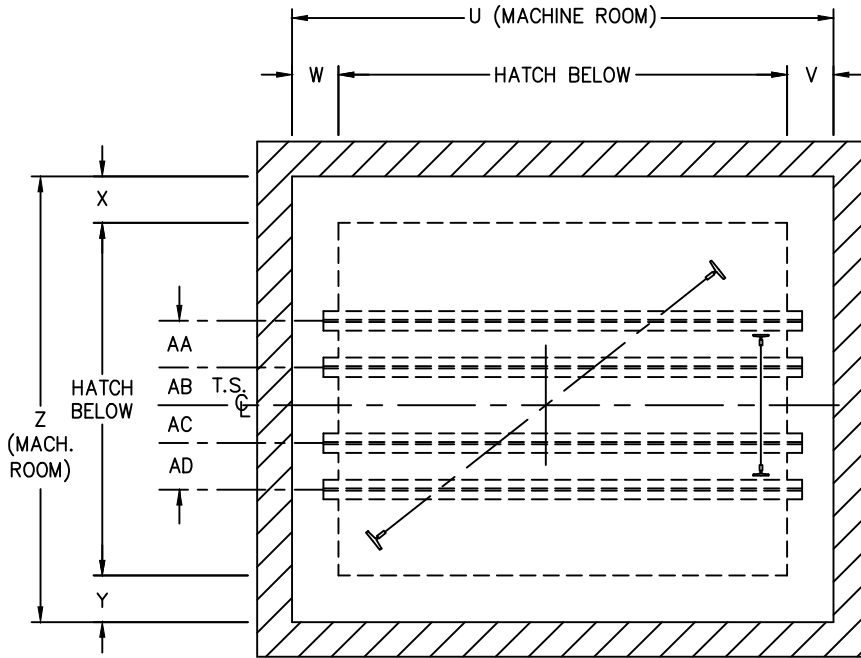


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CORNERPOST - FRONT AND LEFT SIDE OPENINGS - CWT. ON RIGHT



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

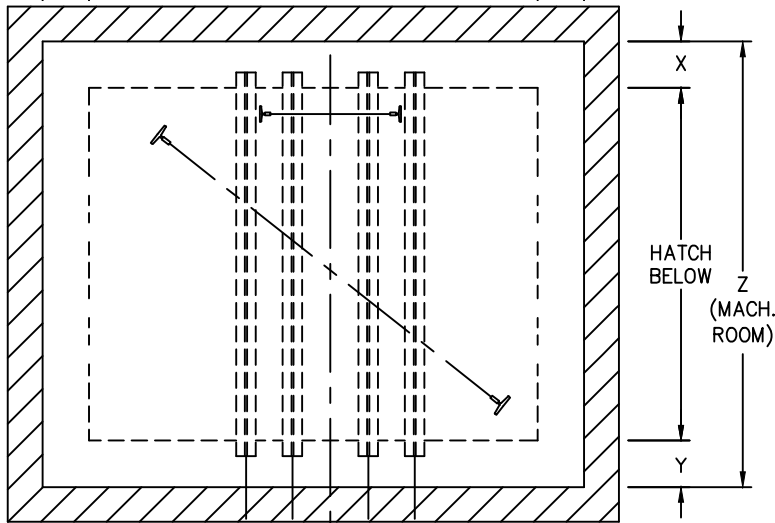
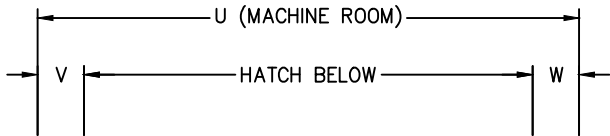
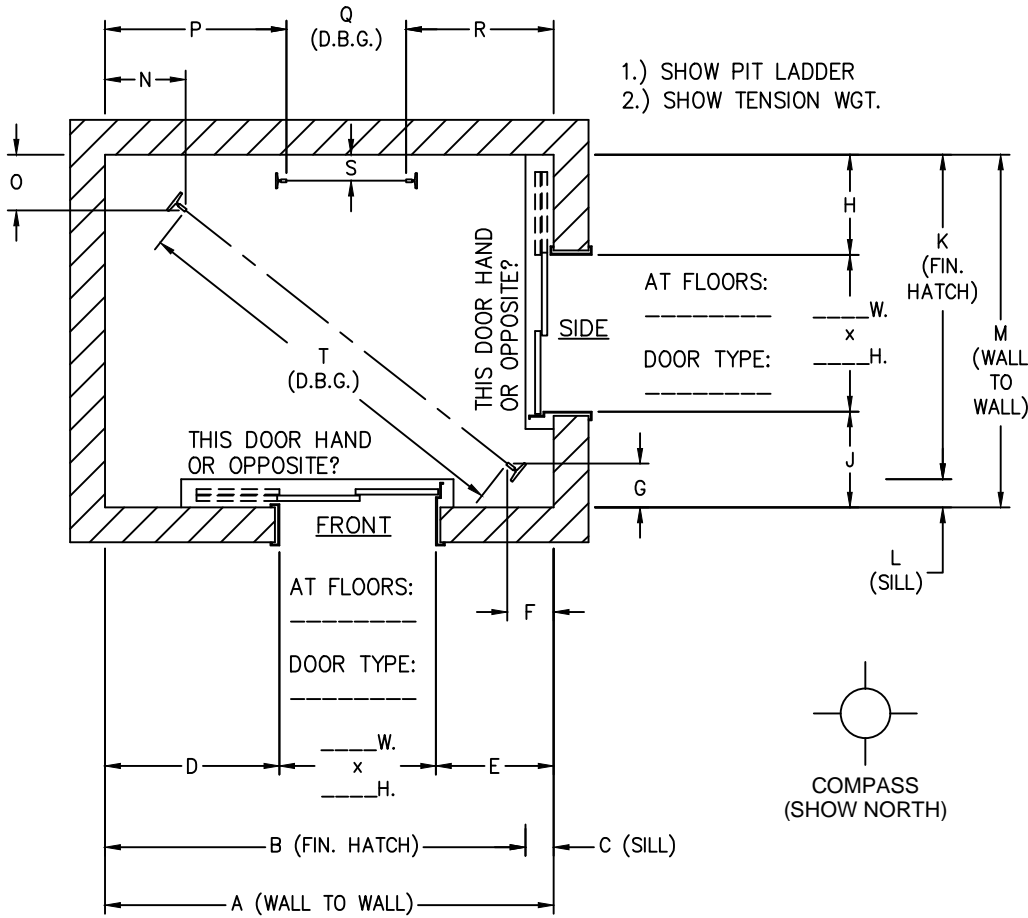
ELEV. CONTR. _____
JOB NAME _____
ELEVATOR NO. _____
H-W JOB NO. _____ DATE _____



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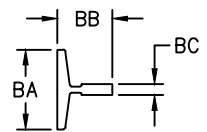
E-172 EXISTING SHAFT SURVEY (SHT. 15)

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



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

DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
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S	
T	
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V	
W	
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Y	
Z	
AA	
AB	
AC	
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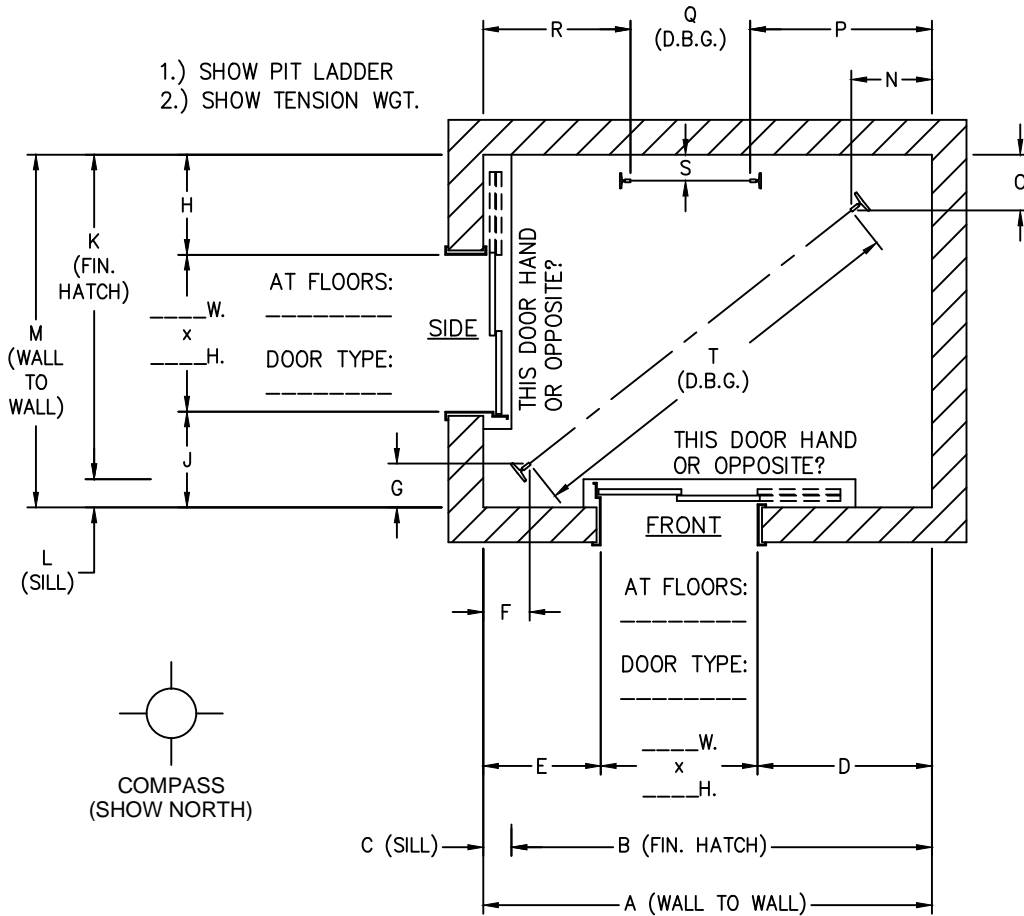
RAIL DIMENSIONS		
	CAR	CWT.
BA		
BB		
BC		
LB./FT.		

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____

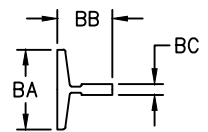
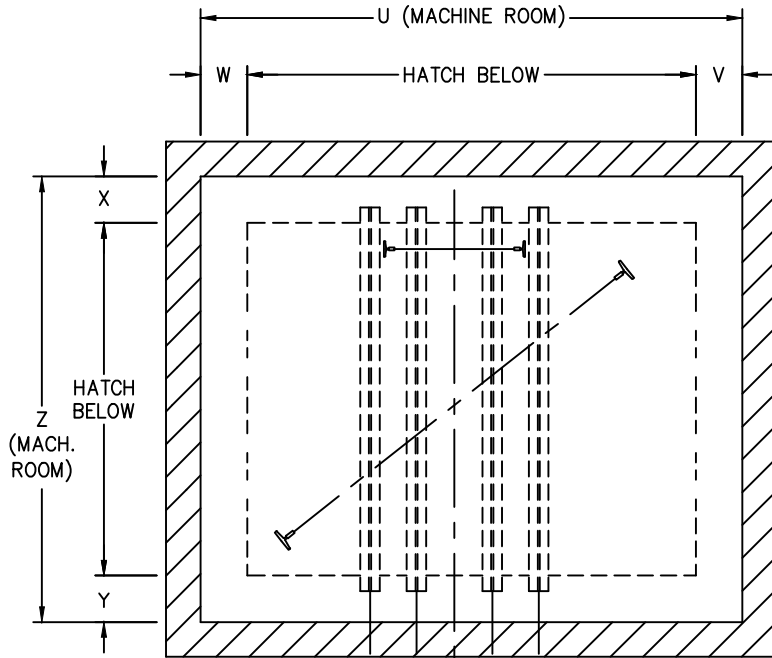


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CORNERPOST - FRONT AND LEFT SIDE OPENINGS - CWT. AT REAR



DIMENSIONS AT TIGHTEST POINT	
A	
B	
C	
D	
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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 → AD | AC | AB | AA ←

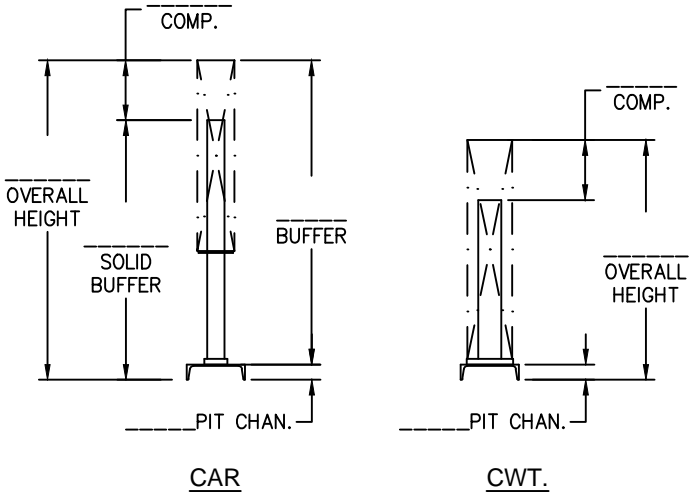
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



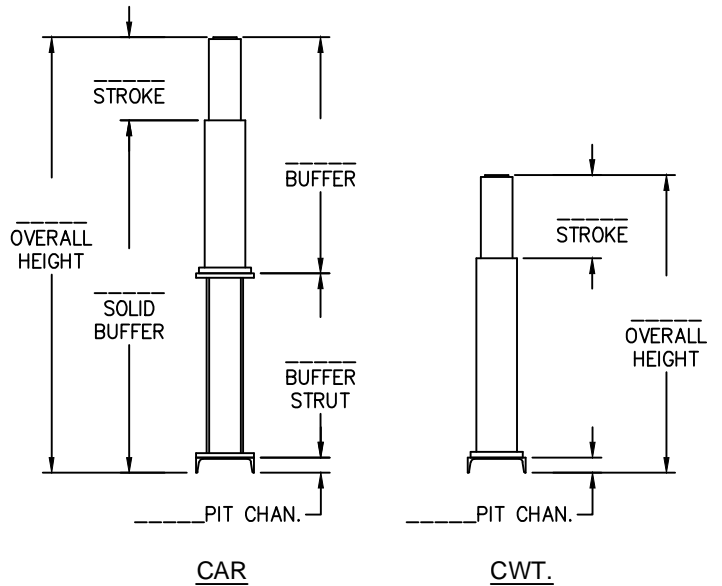
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E-171 EXISTING EQUIPMENT SURVEY (SHT. 1)

EXISTING SPRING BUFFERS

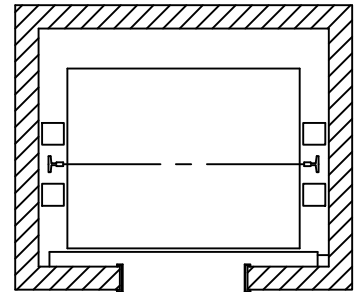
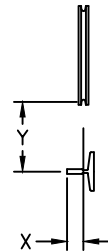


EXISTING OIL BUFFERS



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? (ϵ TO ϵ 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? _____

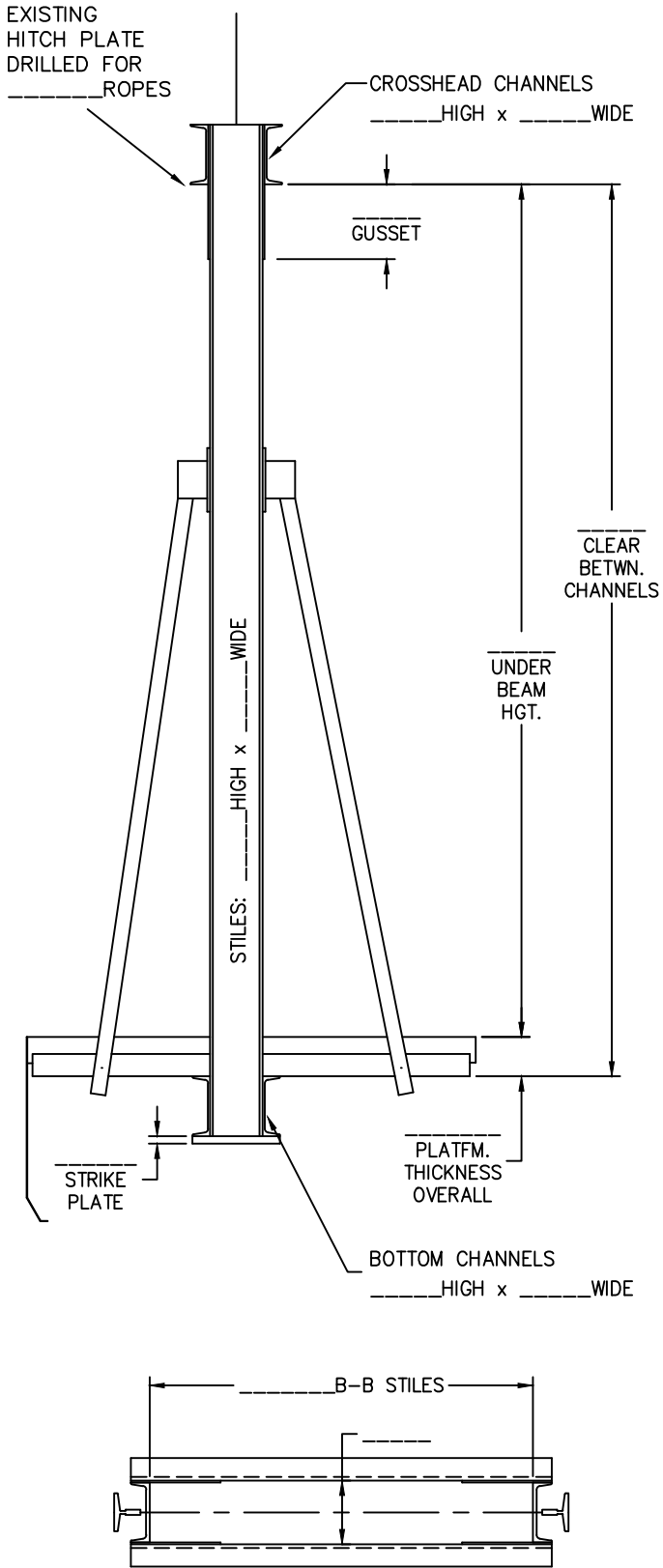
ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



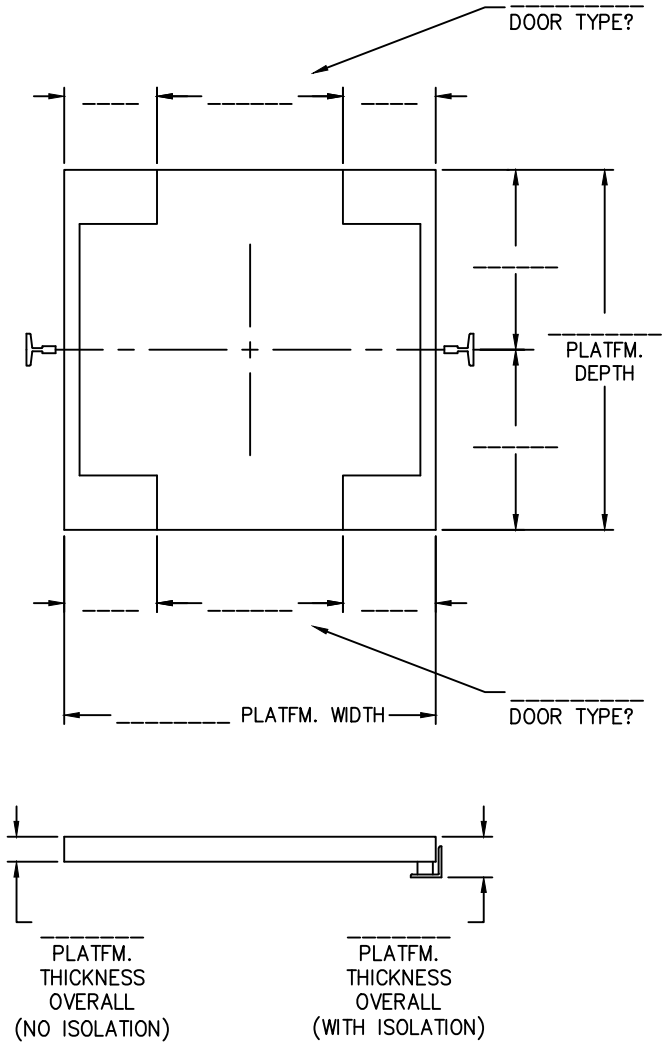
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E-171 EXISTING EQUIPMENT SURVEY (SHT. 2)

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 _____

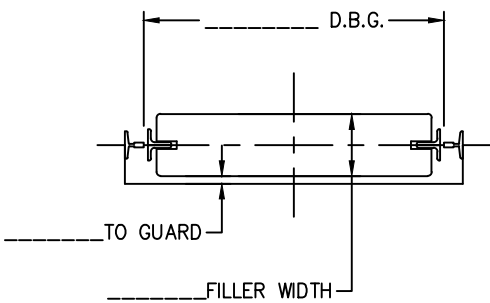
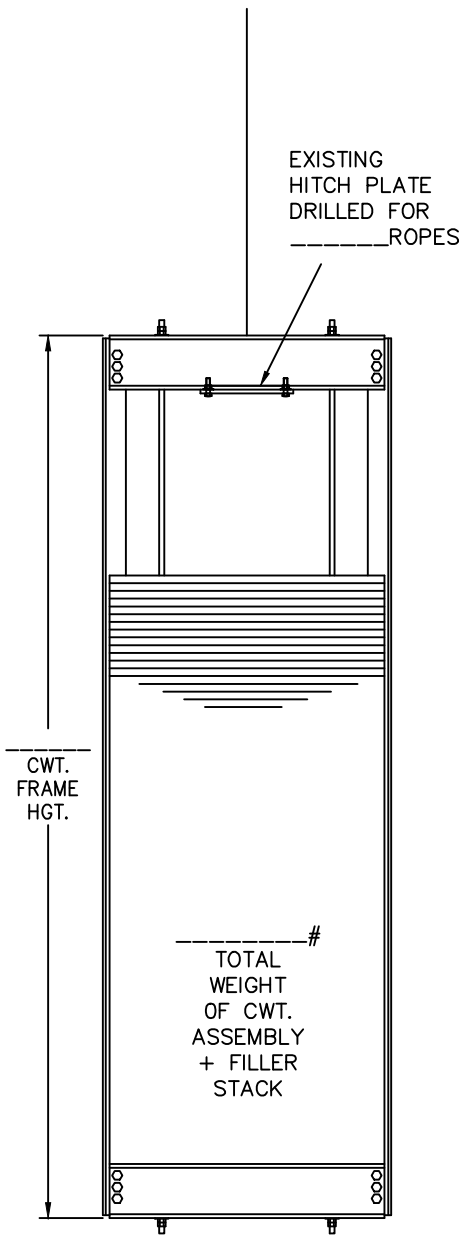
ELEVATOR NO. _____

H-W JOB NO. _____ DATE _____

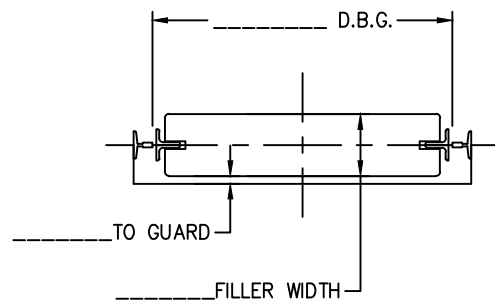
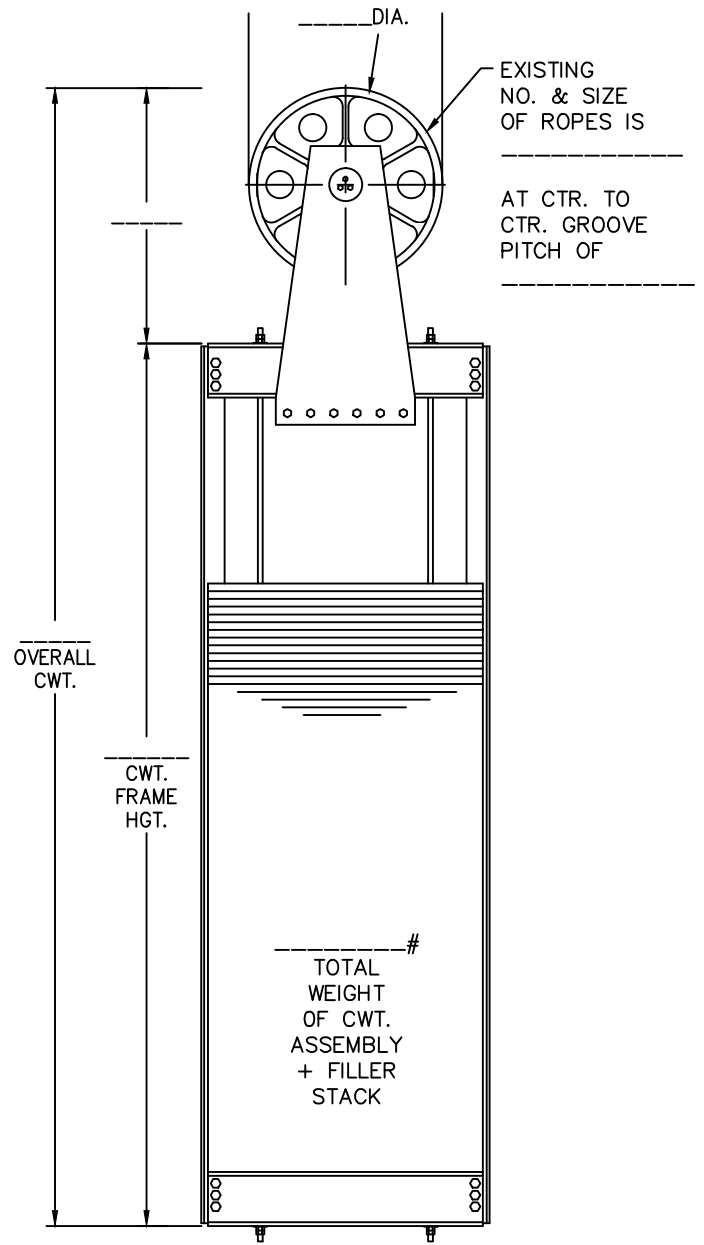


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EXISTING COUNTERWEIGHT WITHOUT SHEAVE



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

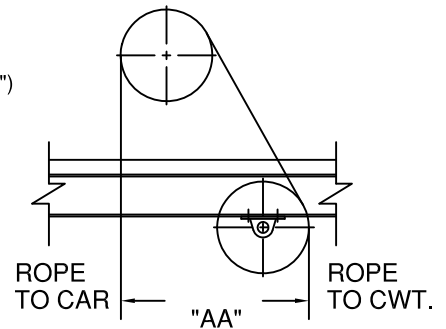
- CAPACITY: _____
- CAR SPEED: _____
- EMPTY CAR WEIGHT: _____
- HAND OF MACHINE: _____
- ROPING (CIRCLE) - 1:1 OR 2:1
- TRAVEL: _____
- HOIST ROPES: QUANTITY _____ SIZE _____
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): _____
(H-W STANDARD IS 7/8" FOR 1/2" ROPES AND 1" FOR 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": _____
- FOR CAPACITIES AT OR ABOVE 3500# AND CAR SPEEDS AT OR ABOVE 350 FPM PROVIDE THE CAR TO CWT. ROPE DROP DISTANCE. (SEE SKETCH "A" - DIM. "AA")

SHEAVES

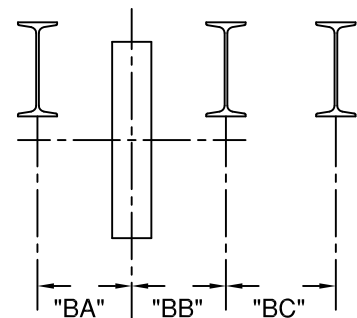
- HOIST ROPES: QUANTITY _____ SIZE _____
- PITCH OF HOIST ROPES: _____
- BEAM / CHANNEL SIZE: _____ " H x _____ " W
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")
- IF DEFLECTOR MOUNTING IN MACHINE ROOM
SEE ATTACHED SURVEY E-147

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 _____



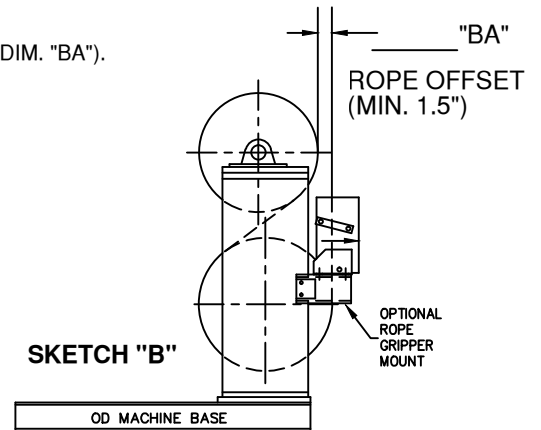
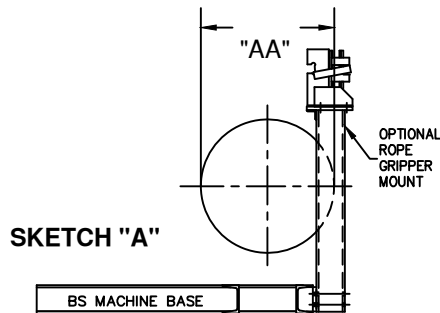
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email: engineering@hwec.com

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

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

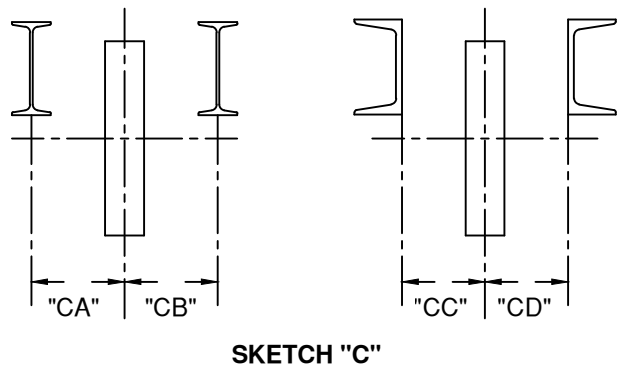
**GEARED MACHINES-
BASEMENT APPLICATION**

- CAPACITY: _____
- CAR SPEED: _____
- EMPTY CAR WEIGHT: _____
- HAND OF MACHINE: _____
- ROPING (CIRCLE) - 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 _____



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**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**

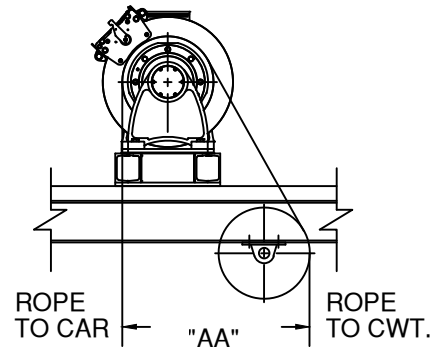
- CAPACITY: _____
- CAR SPEED: _____
- EMPTY CAR WEIGHT: _____
- ROPING (CIRCLE) - 1:1 OR 2:1
- TRAVEL: _____
- HOIST ROPES: QUANTITY _____ SIZE _____
- PITCH OF HOIST ROPES (C.L. TO C.L. OF GROOVES ON FACE OF TRACTION SHV): _____
- ARE YOU RETAINING AN EXISTING DEFLECTOR SHEAVE: _____ DIA. _____
- IF NOT, WHAT DIAMETER TRACTION SHEAVE IS REQUIRED (15", 20", 25" AVAILABLE): _____
- DISTANCE FROM THE ROPE DROP TO THE CAR TO THE ROPE DROP TO THE CWT. (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

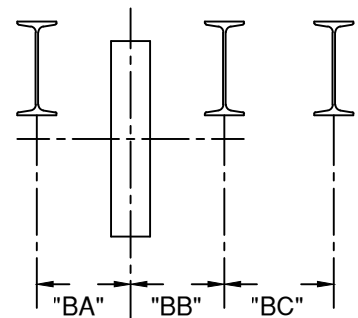
- HOIST ROPES: QUANTITY _____ SIZE _____
- PITCH OF HOIST ROPES: _____
- BEAM SPACING (SEE SKETCH "B" - DIM. "BA", "BB" & "BC")
- IF DEFLECTOR MOUNTING IN MACHINE ROOM
SEE ATTACHED SURVEY E-147

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

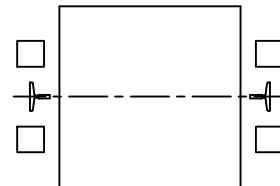
ENGRG. CONTACT: _____
 COMPANY: _____
 EMAIL: _____
 FAX NO: _____
 JOB NAME: _____
 ELEV. #: _____
 H-W #: _____
 FROM (H-W): _____
 DATE: _____

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

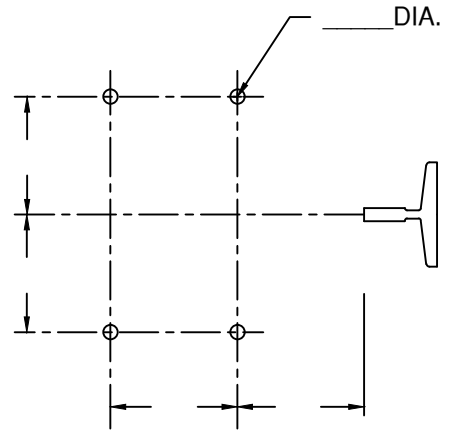
- CAR SPEED: _____
- TRIPPING SPEED: _____
- SHEAVE DIAMETER (12" OR 16"): _____
- GOVERNOR ROPE DIAMETER: _____
- GOVERNOR PULL-THRU (IN LBS.): _____ OR
TYPE OF EXIST. SAFETY (DRUM, GRADUAL, ETC.): _____
- HAND OR LOCATION (SHOW ON SKETCH "D")



FRONT
SKETCH "D"

TENSION WEIGHTS

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



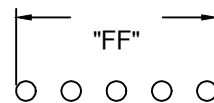
SKETCH "E"

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)



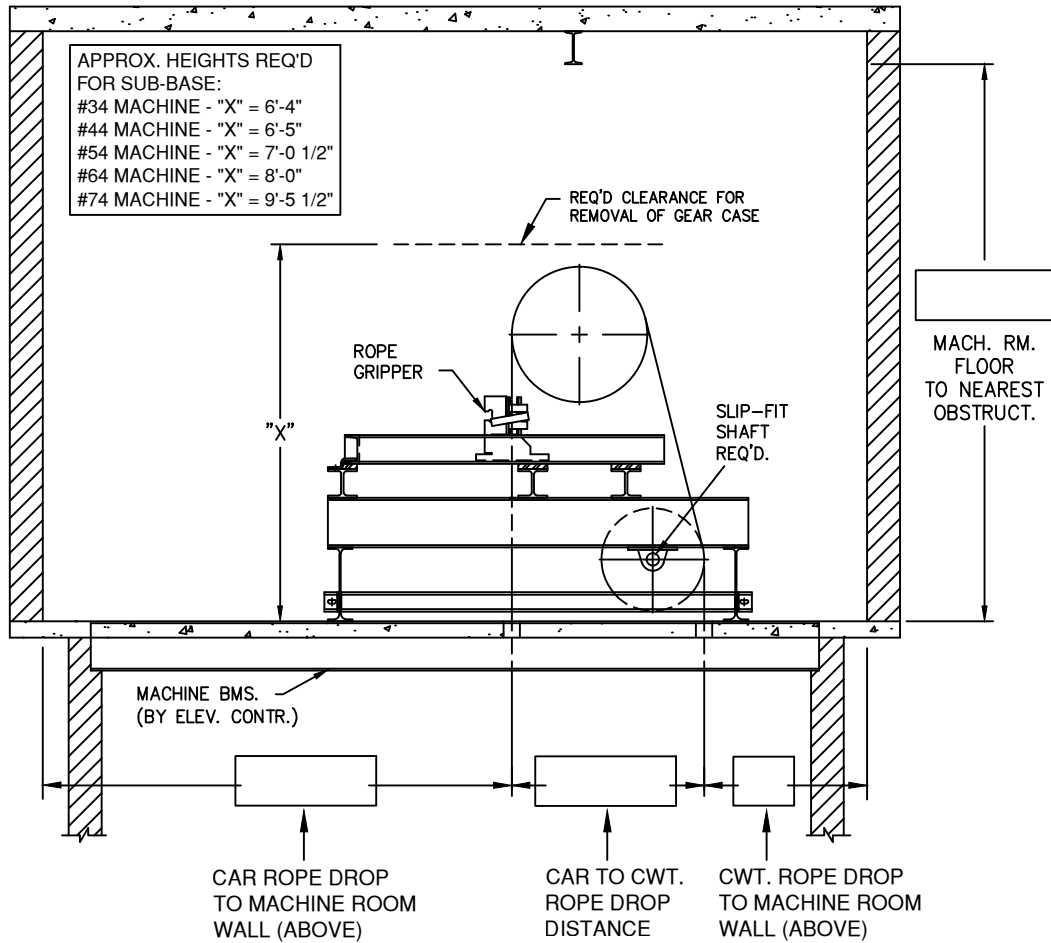
SKETCH "F"

ELEV. CONTR. _____
 JOB NAME _____
 ELEVATOR NO. _____
 H-W JOB NO. _____ DATE _____



HOLLISTER-WHITNEY ELEVATOR CORP.
 #1 Hollister-Whitney Parkway
 Quincy, Illinois 62305
 Ph. (217)222-0466 Fax (217)222-0493
 email: engineering@hwec.com

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



INSTRUCTIONS:

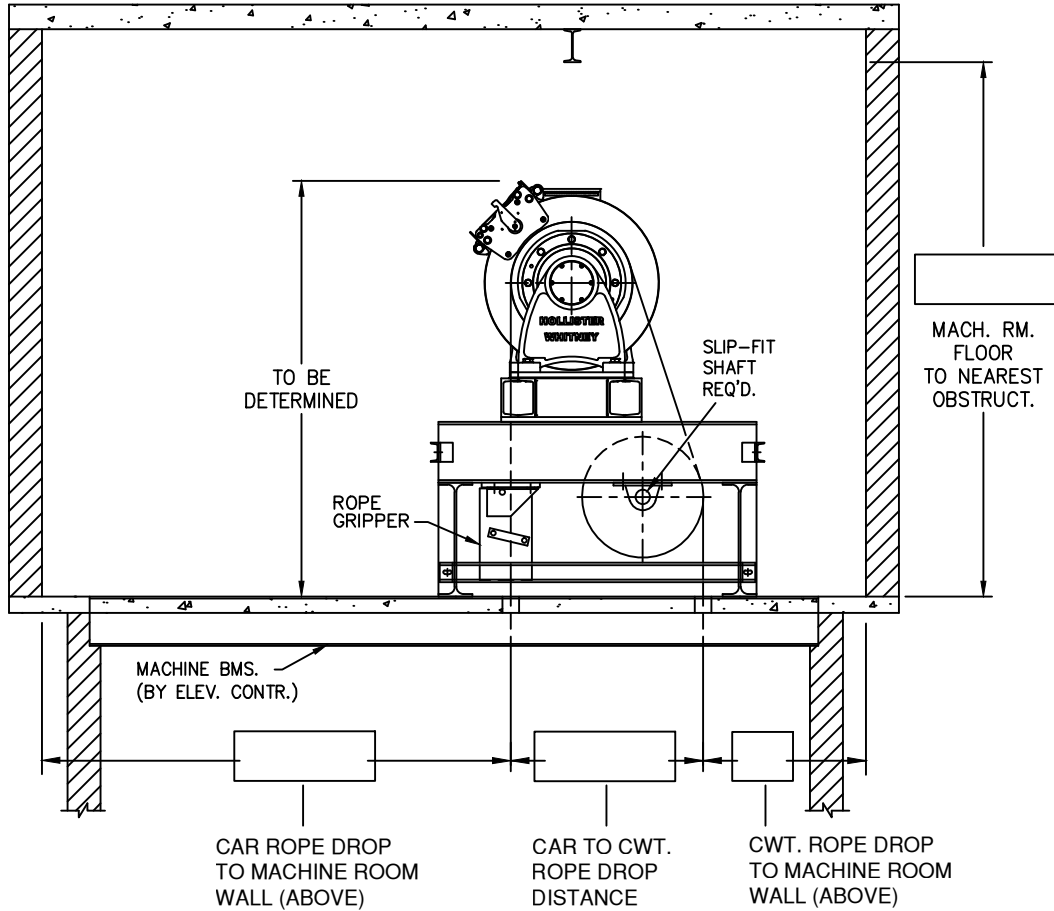
1. FILL IN OPEN DIMENSIONS ABOVE.
2. EMPTY CAR WEIGHT: _____
3. PROVIDE MACHINE ROOM PLAN SKETCH.
 - a. SHOW LOCATION OF CAR AND CWT. RAILS.
 - b. PROVIDE MACHINE BEAM SPACING LOCATING CENTERLINE SHEAVE TO CENTERLINE OF MACHINE BEAMS.
 - c. MACHINE BEAM SIZE _____ H. x _____ W.

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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