



## PLAN CHECK WORKSHEET FOR POWER DUMBWAITERS

<b>JOB ADDRESS:</b>		<b>DUMBWAITER No:</b>	
PCIS #: _ _ _ _ - _ _ _ - _ _ _ _			
<b>CONTRACTOR:</b>	Licence #	C11	
<b>BTRC #:</b>	State Certification #		
<b>Signature:</b>	Date:		

The following information is necessary to check power dumbwaiter plans. The information shall be shown on these worksheets and on the blue prints.

INFORMATION		EXAMPLE	ACTUAL VALUE
<b>GENERAL</b>			
D1	Roped dumbwaiter	No	
D2	Hydraulic dumbwaiter	No	
D3	Roped hydraulic dumbwaiter	Yes	
D4	Does this dumbwaiter serve one dwelling unit?	Yes	
D5	Automatic transfer device	No	
D6	Rated speed	30 ft/min	
D7	Travel	10 ft	
<b>PIT</b>			
D8	Usable space below pit?	Yes	
<b>CAR BUFFERS</b>			
D9	Number and type of buffers (oil or spring)	1 spring	
D10	Bumpers	N/A	
D11	Make	Acme	
D12	Model	10AS	
D13	State approval (oil buffers only)	N/A	
D14	Capacity	2000	

INFORMATION		EXAMPLE	ACTUAL VALUE
D15	Stroke	1 ½ in.	
<b>MACHINE ROOM OR MACHINERY SPACE</b>			
D16	Machine Outside the hoistway (in machinery room)	Yes	
D17	Machine in hoistway (in basement or overhead)	No	
D18	Height	7ft	
D19	Disconnect switch within sight of controller (show on layout)	Yes	
D20	Disconnect switch adjacent to machinery room door?	Yes	
D21	Work space for disconnect and controller	See layout for location and dimensions	
D23	Access door size (for machines in the hoistway)	N/A	
<b>CAR</b>			
	Width, inside	36 in.	
	Depth, inside	36 in.	
	Capacity (rated Load)	500 lb.	
	Weight and accessories	300 lb	
	Height, inside	48 in.	
<b>CAR GUIDE RAILS</b>			
	Material	Steel	
<b>PRESSURE</b>			
	Maximum working pressure	400 psi	
	Relief vale set pressure	500 psi	
<b>PLUNGER</b>			
	Inside diameter	1.278 in	
	Outside diameter	1.66 in	
	Free length	10 ft	
	Wall thickness	0.191 in	
	Head thickness	0.75	
	Shape of head	Flat	

INFORMATION		EXAMPLE	ACTUAL VALUE
	Inside diameter of skirt or radius of curvature of head (drawing required)	N/A	
	Material	Carbon Steel AISE 1026 cold drawn	
	Yield point (based on 2% proof yield stress point)	60,000 psi	
	Percent Elongation	15%	
<b>CYLINDER</b>			
	Is the cylinder installed below ground?	No	
	If yes, what type of protection from corrosion is provided?	N/A	
	Inside diameter	1.939 in	
	Outside diameter	2.375 in	
	Wall thickness	0.218 in	
	Head thickness	0.33 in	
	Shape of head	Hemispherical	
	Inside diameter of skirt or radius of curvature of head (drawing required)	1.939 in	
	Safety bulkhead (detail required)	Se drawing	
	Material	Carbon Steel AISE 1026 cold drawn	
	Yield point (based on 2% proof yield point)	60,000 psi	
	Percent elongation	15%	
<b>PIPING</b>			
	Nominal size	1 in	
	Schedule or type	Schedule 80	
	Material	Steel A53	
	Inside diameter <sup>1</sup>	0.7193 in	
	Outside diameter <sup>2</sup>	1.315	
	Wall thickness <sup>2</sup>	0.954	

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<sup>1</sup>If other than standard ASA B36.10 and ANSI B16.25 steel pipes or ASTM B88 copper tubes

INFORMATION		EXAMPLE	ACTUAL VALUE
	Yield stress <sup>2</sup>	35,000 psi	
	Percent elongation <sup>2</sup>	15%	
<b>CAR ROPES</b>			
	Number of ropes	1	
	Roping ratio	1:1	
	Type and size of ropes	8X193/8 in	
	Rated braking strength of one rope	9,900 lb	
	Weight of ropes	5 lb	
<b>CAR SAFETIES</b>			
	No. and type	1 dogbite	
	Manufacturer	Acme	
	Model	10DBS	
	State approval No.	12345	
<b>COUNTERWEIGHT</b>			
	Weight (Including frame)	600 lb	
<b>COUNTERWEIGHT BUFFERS</b>			
	Type of buffer (oil or spring)	1	
	Bumpers	N/A	
	Make	Acme	
	Model	15DBS	
	State approval (oil buffers only)	N/A	
	Capacity	1500 lb	
<b>COUNTER WEIGHT GUIDE RAILS</b>			
	Material	Steel	
<b>COUNTERWEIGHT SAFETIES</b>			
	No. and type	1 dogbite	
	Manufacturer	Acme	
	Model	6DBS	
	State approval No.	12345	
<b>COUNTERWEIGHT ROPES</b>			

<b>INFORMATION</b>		<b>EXAMPLE</b>	<b>ACTUAL VALUE</b>
	Number of ropes	1	
	Roping ratio	1:1	
	Size and type of Ropes	3/8 in 9X19	
	Rated braking strength of one rope	9,900 lb	
	Weight of ropes	5 lb	
<b>MACHINE</b>			
	Weight		
<b>MACHINE BEAMS</b>			
	Steel	Two C4X7.5	
	Location of supports	See lay out	
<b>SUPPORT BEAMS FOR SHEAVES</b>			
	Steel	None	
	Location of supports, span, and loads distribution	See drawings	
<b>GOVERNOR</b>			
	Make	N/A	
	Model	N/A	
	State approval No.	N/A	
<b>HOISTWAY</b>			