



## PLAN CHECK WORKSHEET FOR CABLED ELECTRIC ELEVATORS

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

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

INFORMATION		EXAMPLE	ACTUAL VALUE
<b>GENERAL</b>			
E1	Passenger or freight class of loading	Passenger	
E2	Rated speed	350 fpm	
E3	Travel	54 ft.	
E4	Height of building <sup>1</sup>	64 ft.	
E5	Is this a medical emergency elevator?	Yes	
E6	If no, is there a medical emergency elevator in this building?		
E7	Location of installation in relation to the plans and elevation of the building		
<b>HOISTWAY ENCLOSURE</b>			
E8	Number of elevators in the building	4	
E9	Number of cars in the hoistway	2	
E10	Separation between elevators	Wire screen	
<b>PITS</b>			
E11	Bottom runby	6 in.	

<sup>1</sup>For high-rise buildings submit calculations to verify that the anchorage of drive and suspension systems conform to Section 91.403.10; 91.1626; 91.1632A.2 of the Los Angeles Building Code, ASME A17.1 Rules 2401.1; 2401.3; and 2401.4.

INFORMATION		EXAMPLE	ACTUAL VALUE
E12	Guards between adjacent pits	Only one pit	
E13	Horizontal refuge area	24"X48"	
E14	Height of refuge area	24 in.	
E15	Means to prevent the accumulation of water (show detail)	N/A	
<b>CAR CLEARANCES</b>			
E16	Bottom	28 in.	
E17	Top	53 in.	
<b>REFUGE SPACE ON TOP OF CAR ENCLOSURE</b>			
E18	Width	16 inches	
E19	Depth	44 inches	
E20	Height	42 inches	
<b>CAR</b>			
E21	Lining material	Not applicable	
E22	Wall material	Stainless steel	
E23	Ceiling diffuser material	Std. finish 4 LA	
E24	Width, inside	80 inches	
E25	Depth, inside	51 inches	
E26	Weight	2,400 lbs.	
E27	Capacity (rated load)	2,500 lbs.	
E28	Width of door	44 inches	
E29	Single door, center opening doors, or multi-speed doors	Single door	
E30	Hoistway door weight	200 lbs.	
E31	Car door weight	200 lbs.	
E32	Door travel time	3.4 seconds	
E33	Car sill steel	Not freight	
E34	Weight of truck or actual heavy concentrated load if no truck	N/A	
E35	Distance between upper and lower car position restrains	12	

INFORMATION		EXAMPLE	ACTUAL VALUE
<b>MACHINE ROOM</b>			
E36	Height	7 ft. 6 inches	
E37	Electric disconnecting means	See layout	
E38	Work space for disconnect and controller	18" min. on 3 sides	
E39	Clearance for governor	18 inches Min.	
<b>STILES</b>			
E40	Steel	C5X6.7	
E41	Free length of styles (distance between cross head and plank)	7 ft	
E42	Vertical center distance between upper and lower guide shoes (or rollers)	8 ft	
<b>PLANK</b>			
E43	Steel	Not freight	
<b>CROSSHEAD</b>			
E44	Steel	Not freight	
E45	Distance equipment projects above top of crosshead	24 inches	
<b>CAR BUFFERS</b>			
E46	Type (Oil or Spring)	Oil	
E47	Make	ABC	
E48	Model	B1525	
E49	State Approval (for oil buffers only)	1234	
E50	Capacity	15,000max/2,500min	
E51	Stroke	9 inches	
E52	No. of buffers (Show on layout)	1	
<b>GUIDE RAILS</b>			
E53	Rail Size	15 lb./ft.	

INFORMATION		EXAMPLE	ACTUAL VALUE
E54	Fishplate Thickness (If other than a plate, provide detail and moment of inertia calculations. A piece of rail of the same weight as the main rail is acceptable)	2¼ inches	
<b>CAR RAIL BRACKETS</b>			
E55	Maximum vertical distance between rail brackets	166 inches	
E56	Design details	see drawings	
<b>CAR ROPES</b>			
E57	Number of ropes	6	
E58	Roping ratio	1:1	
E59	Type and size of ropes	8X195/8" dia.	
E60	Rated braking strength of one rope	24,800 lbs	
E61	Weight of ropes	200 lbs	
E62	Weight of traveling cable	40 lbs	
<b>CAR SAFETIES</b>			
E63	No. and type	(1) flexible guide	
E64	Manufacturer	ABC	
E65	Model	FG4LA	
E66	State approval No.	1234	
E67	Duplex	one	
<b>COUNTERWEIGHT</b>			
E68	Weight (Including frame)	3,200 lbs	
<b>COUNTERWEIGHT BUFFERS</b>			
E69	Type (Oil or Spring)	Oil	
E70	Make	ABC	
E71	Model	1525LA	
E72	State approval	1234	
E73	Capacity, max/min	15,000/2,500 lbs	

INFORMATION		EXAMPLE	ACTUAL VALUE
E74	Stroke	9 inches	
E75	No. of buffers (Show on layout)	1	
<b>COUNTERWEIGHT GUIDE RAILS</b>			
E76	Counterweight rail size	8 lb/ft	
<b>COUNTERWEIGHT RAIL BRACKETS</b>			
E77	Vertical distance between rail brackets	166 inches	
E78	Design detail	See drawing	
<b>COUNTERWEIGHT TIE BRACKETS</b>			
E79	Location of tie brackets	one intermediate tie bracket	
E80	Design detail (show on layout)	see drawings	
E81	Distance between upper and lower counterweight position restrains	5 feet	
<b>COUNTERWEIGHT CLEARANCES</b>			
E82	Is the counterweight enclosed by double U-brackets?	no	
E83	Are single U-brackets provided and located within the space between the car and its counterweight?	no	
E84	Clearance between the car and the counterweight assembly.	2 inches	
E85	Clearance between the counterweight assembly and the hoistway enclosure or separator beams.	2 inches	
E86	Counterweight runby	6 inches	
<b>COUNTERWEIGHT SAFETIES</b>			
E87	Is there usable space below the hoistway?	yes	
E88	No. and type	(1) flexible guide	
E89	Manufacturer	ABC	
E90	Model	CWS4LA	
E91	State approval No.	1234	

INFORMATION		EXAMPLE	ACTUAL VALUE
<b>COUNTERWEIGHT ROPES</b>			
E92	Number of ropes	6	
E93	Roping ratio	1:1	
E94	Size and type of Ropes	8X195/8" dia.	
E95	Rated braking strength of one rope	24,800 lbs	
E96	Weight of ropes	200 lbs	
<b>M.G. SET</b>			
E97	Weight		
E98	Distance Between bolts.		
E99	Height to center of gravity.		
E100	Floor bolts, type and number of		
E101	Floor bolt size and minimum embedment		
<b>CONTROLLER</b>			
E102	Weight	600 lbs	
E103	Distance between floor bolts.	48 inches	
E104	Height to center of gravity.	28 inches	
E105	Floor bolts, type and number of	4- Hilti	
E106	Floor bolt size,	½ inch	
E107	minimum embedment	2-1/4 inches	
<b>SHEAVES (FASTENING TO BUILDING)</b>			
E108	Distance between bolts.		
E109	Bolts, type and number of		
E110	Bolt size.		
<b>MACHINE BEAMS</b>			
E111	Steel	2-beams- W12X65	
E110	Location of supports, span and load distribution	See drawing number _____	