



City of Los Angeles
Department of Building and Safety

**PLAN CHECK WORKSHEET FOR
RESIDENTIAL ELEVATORS**

JOB ADDRESS:		ELEVATOR No:	
PCIS #: _____ - _____ - _____			
CONTRACTOR:		License #	C11
BTRC #:		State Certification #	
Signature:		Date:	

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

INFORMATION		EXAMPLE	ACTUAL VALUE
GENERAL			
R1	Driving Means	Roped-hydraulic	
R2	Rated speed	40 ft/min	
R3	Travel	20 ft	
PIT			
R4	Usable space below pit?	No	
CAR CLEARANCES			
R5	Top	40 in.	
REFUGE SPACE ON TOP OF CAR ENCLOSURE			
R6	Width	N/A	
R7	Depth	N/A	
R8	Height	N/A	

CAR			
R9	Width, inside	48 inches	
R10	Depth, inside	36 inches	
R11	Weight (car and accessories not including plunger)	800 lbs.	
R12	Capacity (rated load)	750 lbs.	
CAR BUFFERS			
R13	Type	Spring	
R14	Make	ABC	
R15	Model	B1525	
R16	Capacity	2,000 lb.	
R17	Stroke	1 ½ in	
R18	No. of buffers (Show on layout)	2	
CAR SAFETIES			
R19	No. and type	(1) instantaneous	
R20	Manufacturer	ABC	
R21	Model	FG4LA	
CAR ROPES			
R22	Number of ropes	3	
R23	Roping ratio	1:1	
R24	Type and size of ropes	8X19 3/8" dia.	
R25	Rated braking strength of one rope	8,200 lbs	
R26	Weight of ropes	30 lb	
R27	Weight of traveling cable	25 lb	
CAR GUIDE RAILS			
R28	Rail Size	8lb./ft.	
R29	Fishplate Thickness (If other than a plate, provide detail and moment of inertia calculations. A piece of rail of the same	1.69 inches	

	weight as the main rail is acceptable)		
CAR RAIL BRACKETS			
R30	Maximum vertical distance between rail brackets	120 in	
R31	Design details	see drawings	
R32	Distance between upper and lower car position restrains	8 ft 6 in	
COUNTERWEIGHT			
R33	Weight (Including frame)	800 lbs	
COUNTERWEIGHT BUFFERS			
R34	Type (Spring or solid)	Spring	
R35	Make	ABC	
R36	Model	1525LA	
R37	Capacity, max/min	2,000 lbs	
R38	Stroke	1.5 inches	
R39	No. of buffers (Show on layout)	1	
COUNTERWEIGHT GUIDE RAILS			
R40	Counterweight rail size	8 lb/ft	
R41	Intermediate tie brackets	No	
COUNTERWEIGHT RAIL BRACKETS			
R42	Vertical distance between rail brackets	120 inches	
R43	Distance between upper and lower counterweight position restrains	5 ft	
COUNTERWEIGHT SAFETIES			
R44	Manufacturer	ABC	
R45	Model	CWS4LA	
R46	No. and type	(1) instantaneous	
MACHINE ROOM			

R47	Electric disconnecting means	See layout	
R48	Work space in front of the controller	32" min.	
PRESSURE			
R49	Maximum working pressure	225 psi	
R50	Relief valve set pressure	280 psi	
PLUNGER			
R51	Inside diameter	3.068 in	
R52	Outside diameter	3.5 in	
R53	Wall thickness	0.216 in	
R54	Head Thickness	0.75 in	
R55	Shape of head (detail required)	Flat	
R56	Inside diameter of skirt or radius of curvature if head	N/A	
R57	Free length	20 ft	
R58	Material	A53	
R59	Yield point (based on 2% proof yield stress point)	35000 psi	
R60	Percent elongation	15%	
CYLINDER			
R61	Is the cylinder below ground	yes	
R62	If yes, what type of protection from corrosion is provided?	PVC casing	
R63	Inside diameter	3.826 in	
R64	Outside diameter	4.5 in	
R65	Wall thickness	0.337 in	
R66	Head Thickness	0.75 in	
R67	Shape of head (detail required)	Flat	
R68	Inside diameter of skirt or radius of curvature if head	N/A	

R69	Safety bulkhead (detail required)	See drawings	
R70	Material	A53	
R71	Yield point (based on 2% proof yield stress point)	35000 psi	
R72	Percent elongation	15%	
PIPING			
R73	Schedule or type	40	
R74	Nominal size	2 in	
R75	Inside diameter	2.067	
R76	Outside diameter	2.375	
R77	Wall thickness	0.154	
R78	Material	A53	
R79	Material Yield pint (based on 2% proof yield stress point)	35000 psi	
R80	Percent elongation	15%	