



PLAN CHECK WORKSHEET FOR RECHECKING HYDRO-ELECTRIC ELEVATORS

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

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

INFORMATION		EXAMPLE	ACTUAL VALUE
GENERAL INFORMATION			
H1	Passenger or freight class of loading	Passenger	
H2	Rated speed	100 ft/min	
H7	Location of installation in relation to the plans and elevation of the building	See drawings	
CAR			
H29	Width, inside	80 in.	
H30	Depth, inside	51 in.	
H31	Weight, (car and accessories not including plunger)	2,700 lb	
H32	Capacity (rated load)	2,500 lb	
PUMP AND TANK			
H55	Weight	2,000 #	
H56	Location (distance between closer floor bolts)	34 in.	
H57	Height to center of gravity	58 in.	
H58	Type and number of floor bolts	"Red Head" Self-drill, 4	
H59	Floor bolt, size and minimum embedment	½ in. X 6 in. 5 in. embedment	
PRESSURE			

INFORMATION		EXAMPLE	ACTUAL VALUE
H60	Maximum working pressure	350 psi	
H61	Relief valve set pressure	525 psi	
PLUNGER			
H62	Inside diameter	3.813	
H63	Outside diameter	4 3/8 in.	
H64	Free length	14 ft. 6 in.	
H65	Wall thickness	0.281 in.	
H66	Head thickness	0.750 in.	
H67	Shape of head	Flat	
H68	Inside diameter of skirt or radius of curvature of head (drawing required)	Head is not dished	
H69	Material	Carbon Steel AISE 1026 cold drawn	
H70	Yield point (based on 2% proof yield stress point)	60,000 psi	
H71	Percent Elongation	15%	
CYLINDER			
H72	Is the cylinder installed below ground?	Yes	
H73	If yes, what type of protection from corrosion is provided?	Protective plastic Casing	
H74	Inside diameter	6.065 in.	
H75	Outside diameter	6.625 in.	
H76	Wall thickness	0.280 in.	
H77	Head thickness	0.750 in.	
H78	Shape of head	Flat	
H79	Inside diameter of skirt or radius of curvature of head (drawing required)	Head is not dished	
H80	Safety bulkhead (detail required)	See drawing SP2	
H81	Material	Carbon Steel AISE 1026 cold drawn	
H82	Yield point (based on 2% proof yield point)	60,000 psi	
H83	Percent elongation	60,000 psi	

INFORMATION		EXAMPLE	ACTUAL VALUE
PIPING			
H84	Nominal size	2 in.	
H85	Schedule or type	Schedule 40	
H86	Material	Galvanized iron	
H87	Inside diameter ¹		
H88	Outside diameter ¹		
H89	Wall thickness ¹		
H90	Yield stress ¹		
H91	Percent elongation ¹		
<i>Space reserved for approval stamp</i>			

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