

**INFORMATION FOR
ESCALATORS**

The following information is necessary to check escalators. It shall be shown both on these sheets and in the blueprints.

JOB ADDRESS:		ESCALATOR No.
Signature:		
	EXAMPLE	ACTUAL VALUE
GENERAL INFORMATION		
H701	Angle of inclination	30°
H702	Width of escalator rounded to the next whole inch (width of step thread)	36 inches
H703	Height of story	10 ft
H704	Number of modular driving machines	1
H705	Rated speed	125 ft/min
H706	Driving machine brakes	Electrically released and mechanically applied
HANDRAILS AND BALUSTRADES		
H716	Detail of handrail	See drawing CL 123
H717	Provide calculations showing that the hand rail supports are designed to resist a lateral load of 50 lb/ft applied at the top of the hand rail	See attached calculations
H718	Distance between center line of handrail and the vertical plane through the edge of the exposed step	9 ½ inches
H719	Balustrades strength	See attached calculations
H720	Material of balustrades	Stainless steel
H721	Type of deck (high or low) Cross section with dimensions shall be provided.	High deck See drawings
H722	Handrail extension beyond combplates.	12 inches
STEPS, ENTRANCE AND EGRESS ENDS		
H730	Materials of step frames, treads and raisers.	Steel

H731	Depth of step tread in the direction of travel.	15 ¾ inches	
H732	Rise between treads in the direction of travel.	8 ½ inches	
RATED LOAD AND STRUCTURAL CALCULATIONS			
H735	Structural rated load	3506 lbs	
H736	Machinery rated load	2668 lbs	
H737	Brake rated load with escalator stopped	3506 lbs	
H738	Brake rated load with escalator running	2668 lbs	
H739	Structural calculations and factors of safety for trusses and supporting structures, including tracks	See attached calculations	
H740	Provide calculations showing that the connections which join the escalator to the building is designed for seismic loads of 0.5g in both principal horizontal directions.	See attached calculations	
H741	Details required: The connection at one end shall allow twice the story drift in both compressive and the tensile modes in the longitudinal direction.	See drawings	
H742	Story drift (calculations may be required)	0.6 inches	
H743	Are seismic restraint provided at both ends?	Yes	
H744	If seismic restraints are provide at one end the design shall account for torsion.	Not applicable	
H745	Drai or note required: Outdoor escalators shall be provided with drains in the lower pit.	See drawings	