



Standard Specification for Multi-Story Building External Evacuation Platform Rescue Systems¹

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1. Scope

1.1 This specification covers the specifications, safety requirements, performance, design, practices, marking instructions and test methods for Multi-Story Building External Evacuation Platform Rescue Systems (PRS) for emergency escape of persons who cannot use the normal means of egress to a safe area and for transport of emergency responders vertically.

1.2 This standard is applicable only to PRS's:

1.2.1 Permanently installed;

1.2.2 Designed for multi-cycle and repetitive use; and

1.2.3 Where descent is controlled to limit speed before arrival at a floor or landing zone.

1.3 This standard does not cover:

1.3.1 Platform devices that are used primarily for purposes other than emergency evacuation and/or access;

1.3.2 Helicopters or other flying platforms;

1.3.3 Any other devices covered under/within ASME A17.1;

1.3.4 A PRS utilizing platform(s) that can be transported to or between buildings during operations; and

1.3.5 A PRS using driving methods other than positive drive as drum and ropes.

1.4 Operation of a PRS is limited to trained and authorized operators.

1.5 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

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1.7 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- A36/A36M Specification for Carbon Structural Steel
- E84 Test Method for Surface Burning Characteristics of Building Materials
- E136 Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
- E631 Terminology of Building Constructions
- G153 Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.