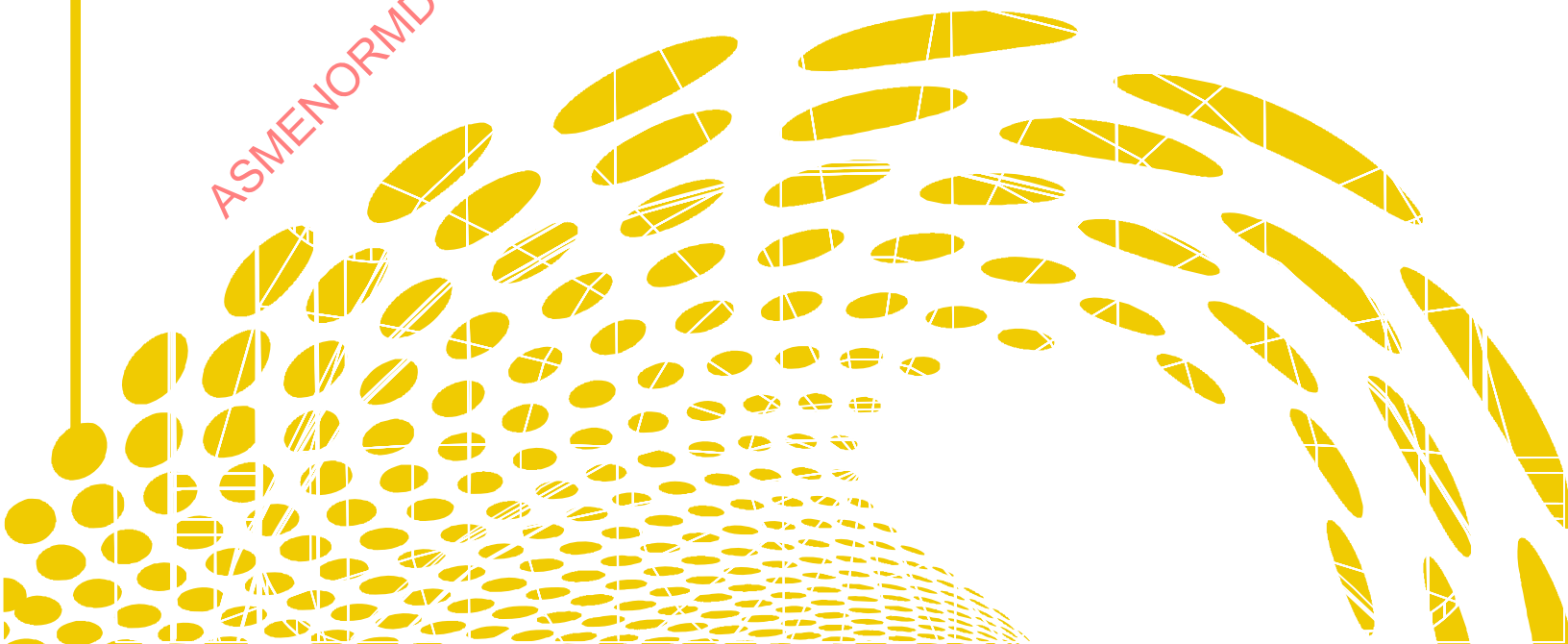
ASME STANDARDS TECHNOLOGY, LLC

STP-SA-092

COMPARISON REPORT BETWEEN ASME A17.1/B44 AND ISO 8100-1/2 REQUIREMENTS FOR ELECTRIC ELEVATORS



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FOREWORD

This Standard Technology Publication (STP) provides a comparison between requirements in ASME A17.1/CSA B44 and ISO 8100-1 and ISO 8100-2.

About ASME

Established in 1880, the ASME is a professional not-for-profit organization with more than 100,000 members and volunteers promoting the art, science and practice of mechanical and multidisciplinary engineering and allied sciences. ASME develops codes and standards that enhance public safety, and provides lifelong learning and technical exchange opportunities benefiting the engineering and technology community. Visit https://www.asme.org/ for more information.

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PREFACE

General

This STP-SA-092 is one of several such STP documents published by ASME ST-LLC.

STP-SA-092 may be used as a guide in identifying specific Clauses in ISO 8100-1 and ISO 8100-2 that could be considered in addition to or in place of requirements found in A17.1/B44, with the goal of achieving equivalency with the requirements of ISO 8100-1 and ISO 8100-2 where the scopes coincide. This would be particularly useful for electric elevator equipment providers that supply equipment that is conformant to A17.1/B44 who wish to review differences and deploy such equipment in areas that enforce ISO 8100-1 and ISO 8100-2 Standards.

Form and Arrangement

This report is advisory in nature. The Foreword and Preface provide background information to assist the user. The main technical content appears in Table 1, Table 2, Table 3 and Table 4.

Introduction

STP-SA-092 identifies Clause numbers from ISO 8100-1 and ISO 8100-2 for requirements to be used in addition to or in place of specific requirements in A17.1/B44. The content of the specific requirements is published in ISO 8100-1 and ISO 8100-2. STP-SA-092 is not a substitute for ISO 8100-1 and ISO 8100-2 and it does not evaluate or interpret requirements of those Standards. It is the responsibility of the user of STP-SA-092 to comply with the actual requirements in force in their particular jurisdictions.

Requirements for equipment not within the scope of A17.1/B44 and ISO 8100-1 and ISO 8100-2 are not addressed in STP-SA-092.

As a further clarification, it is emphasized that although differences exist in the various Standards, it does not imply that any Standard is superior to another Standard covering the same scope.

It should also be recognized that there are certain differences in approach pertaining to the requirements of A17.1/B44 and ISO 8100-1. The former lays out a set of minimum safety requirements and provides many specific parameters such as factors of safety, material properties, etc. The latter also provides specific parameters for many safety-related functions. There is, however, an underlying set of assumptions in ISO 8100-1 Clause 0.4 that applicable risks have been considered for each component that may be incorporated in a complete elevator.

It should be noted that in Table 1 and Table 2 of STP-SA-092, in some cases ISO 8100-1 Clause 0.4.3a) has been referenced in Columns 3 and 4, where no specific parameters have been identified. The purpose of this reference in Table 1 is to highlight that it is assumed that applicable risks have been considered and usual engineering practice has been applied. Where no specific parameter has been identified in Table 1 and Table 2 Column 3 (i.e. “None” is indicated), the assumptions that applicable risks have been addressed also applies.

1 SCOPE

The Scope of STP-SA-092 is limited to electric elevators within the scope of ISO 8100-1 and ISO 8100-2. Equipment within the scope of A17.1/B44 that is not within the scope of ISO 8100-1 and ISO 8100-2 is not addressed by STP-SA-092.

2 REFERENCES

STP-SA-092 incorporates, by dated or undated reference, provisions from other publications. These references are cited at their appropriate place in STP-SA-092 and the publications are listed. For dated references, subsequent amendments to or revisions of any of these publications apply to STP-SA-092 only when incorporated by amendment or revision. For undated references, the latest edition would apply.

2.1 ASME Standards

ASME A17.1-2016 /CSA B44-16 Safety Code for Elevators and Escalators

ASME A17.2-2017 Guide for Inspection of Elevators, Escalators and Moving Walks

Publisher: The American Society of Mechanical Engineers (ASME), New York, NY (www.asme.org).

2.2 CEN Standards

EN 12385-5:2002 Steel wire ropes. Safety. Stranded ropes for lifts

EN 81-28:2018 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods. Remote alarm on passenger and goods passenger lifts

EN 81-70:2018 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lift. Accessibility to lifts for persons including persons with disability

EN 81-72:2015 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Firefighters lifts

EN 81-73:2016 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Behaviour of lifts in the event of fire

CEN/TS 81-76 Safety rules for the construction and installation of lifts - Particular applications for passengers and goods passenger lifts. Evacuation of disabled persons using lifts

EN 81-77:2018 Safety rules for the construction and installations of lifts. Particular applications for passenger and goods passenger lifts. Lifts subject to seismic conditions

EN ISO 12100:2010 Safety of machinery. General principles for design. Risk assessment and risk reduction

Publisher: British Standards Institute (BSI), London, United Kingdom (https://shop.bsigroup.com/)

2.3 ISO Standards

ISO 4190-5:2006 Lift (Elevator) installation – Part 5: Control devices, signals and additional fittings

ISO 8100-1:2019 Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods — Part 1: Passenger and goods passenger lifts

ISO 8100-2:2019 Safety rules for the construction and installation of lifts — Examinations and tests — Part 2: Design rules, calculations, examinations and tests of lift components

ISO/TS 8100-3:2019 Safety rules for the construction and installation of lifts — Lifts for the transport of persons and goods — Part 3: Requirements from Other Standards (ASME A17.1/CSA B44 and JIS A 4307-1/JIS A 4307-2) not included in ISO 8100-1 or ISO 8100-2

Publisher: International Organization for Standardization (ISO), Genève, Switzerland (www.iso.org).

3 USE OF STP-SA-092

3.1 Use of STP-SA-092 to Achieve Equivalence to ISO 8100-1 and ISO 8100-2

Products designed in compliance with specific requirements of A17.1/B44 may not be in compliance with specific prescriptive requirements in ISO 8100-1 and ISO 8100-2. By referring to Tables 1, 2, 3 and 4 of this technical report, specific prescriptive requirements of ISO 8100-1 and ISO 8100-2 that need to be addressed in addition to or in place of requirements of A17.1/B44 can be identified by the user.

Tables 1, 2, 3 and 4 provide guidance, however in all cases the relevant Standards must be consulted.

In each table, there are seven columns as follows:

(a) Column 1 identifies the requirement number in A17.1/B44
(b) Column 2 describes the subject matter
(c) Column 3 identifies ISO 8100-1 or ISO 8100-2 related Clause
(d) Column 4 identifies ISO 8100-1 or ISO 8100-2 Clause met by Column 1
(e) Column 5 identifies ISO 8100-1 or ISO 8100-2 requirements to be addressed in addition to Column 1
(f) Column 6 identifies ISO 8100-1 or ISO 8100-2 requirements to be addressed in place of A17.1/B44
(g) Column 7 contains comments indicating if there are areas of difference

Note: Throughout STP-SA-092, the term “elevator” is used as that is the term used in A17.1/B44. Where appropriate in Table 1 and Table 2, the term ‘lift’ is used as that is the term used in ISO 8100-1 and ISO 8100-2. There are other instances where different terms are used to describe similar items.

Table 1: ISO 8100-1 Requirements to be Used in Addition to or in Place of Requirements in A17.1/B44

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.1	**Construction of Hoistways and Hoistway Enclosures**					
2.1.1	**Hoistway Enclosures**	5.2.5.2.1	5.2.5.2.1			
2.1.1.1	Fire Resistive Construction	5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		ISO 8100-1 has differing requirements
2.1.1.2	Non-Fire-Resistive Construction	5.2.1.8.1 5.2.1.8.3 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		5.2.1.8.1 5.2.1.8.3 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		ISO 8100-1 has differing requirements
2.1.1.3	Partially Enclosed Hoistways	5.2.1.2.3 5.2.5.2.3	5.2.1.2.3		5.2.5.2.3	ISO 8100-1 has differing requirements
2.1.1.4	Multiple Hoistways	5.2.5.1.1	5.2.5.1.1			
2.1.1.5	Strength of Enclosure	5.2.1.8.2 5.2.1.8.3 Annex E-1		5.2.1.8.2 5.2.1.8.3 Annex E-1		ISO 8100-1 has differing requirements
2.1.2	**Construction at Top and Bottom of Hoistway**					
2.1.2.1	Construction at Top of Hoistway	5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		ISO 8100-1 has differing requirements
2.1.2.2	Construction Bottom of Hoistway	5.2.1.8.1 5.2.1.9 5.2.5.2.1		5.2.1.8.1 5.2.1.9 5.2.5.2.1		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.1.2.3	Strength of Pit Floor	5.2.1.8.4 5.2.1.8.5 5.2.1.8.6 5.2.1.8.7		5.2.1.8.4 5.2.1.8.5 5.2.1.8.6 5.2.1.8.7		ISO 8100-1 has differing requirements
2.1.3	**Floor Over Hoistway**					
2.1.3.1	General Requirement	5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		ISO 8100-1 has differing requirements
2.1.3.2	Strength of Floor	5.2.1.8.1 Annex E1		5.2.1.8.1 Annex E1		ISO 8100-1 has differing requirements
2.1.3.3	Construction of Floors	5.2.1.9 5.2.1.8.1		5.2.1.9 5.2.1.8.1		ISO 8100-1 has differing requirements
2.1.3.4	Area to be Covered by Floor	5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		5.2.1.8.1 5.2.1.9 5.2.5.2.1 5.2.5.2.2.1		ISO 8100-1 has differing requirements
2.1.4	**Control of Smoke and Hot Gases**	5.2.1.3 Annex E3		5.2.1.3 Annex E3		ISO 8100-1 has differing requirements
2.1.5	**Windows and Skylights**	None				ISO 8100-1 has no requirements
2.1.6	**Projections, Recesses and Setbacks in Hoistway Enclosures**	5.2.5.2.2.2		5.2.5.2.2.2		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.2	**Pits**					
2.2.1	**General**	None				ISO 8100-1 has no requirements
2.2.2	**Design and Construction of Pits**	5.2.1.8.1 5.2.1.8.2 5.2.1.8.4 5.2.1.8.5 5.2.1.8.6 5.2.1.8.7 5.2.1.8.8 5.2.1.8.9 5.2.1.9		5.2.1.8.1 5.2.1.8.2 5.2.1.8.4 5.2.1.8.5 5.2.1.8.6 5.2.1.8.7 5.2.1.8.8 5.2.1.8.9 5.2.1.9		ISO 8100-1 has differing requirements
2.2.3	**Guards Between Adjacent Pits**	5.2.1.9 5.2.5.5.2			5.2.1.9 5.2.5.5.2	ISO 8100-1 has differing requirements
2.2.4	**Pit Access**	5.2.2.4 5.2.3 5.3.9.3.5 Annex F		5.2.2.4 5.2.3 5.3.9.3.5 Annex F		ISO 8100-1 has differing requirements
2.2.5	**Illumination of the Pit**	5.2.1.4.1		5.2.1.4.1		ISO 8100-1 has differing requirements
2.2.6	**Stop Switch in Pits**	5.2.1.5.1		5.2.1.5.1		ISO 8100-1 has differing requirements
2.2.7	**Minimum Pit Depth**	None				ISO 8100-1 has no requirements
2.2.8	**Access to Under Side of Car**	None				ISO 8100-1 has no requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.3	**Location and Guarding of Counterweights**					
2.3.1	**Location of Counterweights**	5.2.5.1.2			5.2.5.1.2	ISO 8100-1 has differing requirements
2.3.2	**Counterweight Guards**	5.2.5.5.1 5.2.5.5.2 5.2.5.5.2.1 5.2.5.5.2.2		5.2.5.5.1 5.2.5.5.2 5.2.5.5.2.1 5.2.5.5.2.2		ISO 8100-1 has differing requirements
2.3.3	**Remote Counterweight Hoistways Counterweight Runway Enclosures**	5.2.5.1.2			5.2.5.1.2	ISO 8100-1 has differing requirements
2.3.4	**Counterweight Runway Enclosures**	None				ISO 8100-1 has no requirements
SECTION 2.4	**Vertical Clearances and Runbys for Cars and Counterweights**					
2.4.1	**Bottom Car Clearances**	5.2.5.6 5.2.5.8		5.2.5.6 5.2.5.8		ISO 8100-1 has differing requirements
2.4.2	**Minimum Bottom Runby for Counterweighted Elevators**	None				ISO 8100-1 has no requirements
2.4.3	**Minimum Bottom Runby for Uncounterweighted Elevators**	None				ISO 8100-1 has no requirements
2.4.4	**Maximum Bottom Runby**	None				ISO 8100-1 has no requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.4.5	**Counterweight Runby Data Plate**	5.2.5.7.1	5.2.5.7.1			ISO 8100-1 has differing requirements
2.4.6	**Maximum Upward Movement of the Car**	5.2.5.6		5.2.5.6		ISO 8100-1 has differing requirements
2.4.7	**Top of Car Clearances**	5.2.5.6 5.2.5.7	5.2.5.6 5.2.5.7			ISO 8100-1 has differing requirements
2.4.8	**Top of Counterweight Clearances**	5.2.5.6		5.2.5.6		ISO 8100-1 has differing requirements
2.4.9	**Equipment on Top of Car Not Permitted to Strike Overhead Structure**	5.2.5.7.2		5.2.5.7.2		ISO 8100-1 has differing requirements
SECTION 2.5	**Hoistway Car and Counterweight Clearances**					
2.5.1	**Clearances Between Cars, Counterweights, and**					
2.5.1.1	Between Car and Hoistway Enclosures	None				ISO 8100-1 has no requirements
2.5.1.2	Between Car and Counterweight and Counterweight Guard	5.2.5.5.1			5.2.5.5.1	ISO 8100-1 has differing requirements
2.5.1.3	Between Cars in Multiple Hoistways	5.2.5.5.2.2		5.2.5.5.2.2		ISO 8100-1 has differing requirements
2.5.1.4	Between Car and Landing Sills	5.3.4.1		5.3.4.1		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.5.1.5	Clearance Between Loading Side of Car Platforms and Hoistways Enclosures	5.2.5.3.1 5.2.5.3.2		5.2.5.3.1 5.2.5.3.2		ISO 8100-1 has differing requirements
2.5.1.6	Clearance Between Car Platform Apron and Pit Enclosure	5.2.5.3.1 5.2.5.3.2		5.2.5.3.1 5.2.5.3.2		ISO 8100-1 has differing requirements
2.5.1.7	Measurement of Clearances	None				ISO 8100-1 has no requirements
SECTION 2.6	**Protection of Space Below Hoistways**					
2.6.1	**Where the Space is Underneath the Counterweight and/or Its Guides**	5.2.5.4		5.2.5.4		ISO 8100-1 has differing requirements
2.6.2	**Where the Space is Underneath the Car and/or Its Guides**	5.2.5.4		5.2.5.4		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.7	**Machinery Spaces, Machine Rooms, Control Spaces and Control Rooms**					
2.7.1	**Enclosure of Rooms and Spaces**	3.27				ISO 8100-1 has no requirements
2.7.1.1	Fire-Resistive Construction	5.2.1.8.1 5.2.1.9 5.2.6.1 5.2.6.3.2 5.2.6.3.3 5.2.6.5.1	5.2.1.8.1 5.2.6.5.1	5.2.1.9 5.2.6.1 5.2.6.3.2 5.2.6.3.3		ISO 8100-1 has differing requirements
2.7.1.2	Non-Fire-Resistive Construction	5.2.1.8.1 5.2.1.8.3 5.2.1.9 5.2.6.1 5.2.6.3.2.1 5.2.6.3.2.2 5.2.6.3.2.3 5.2.6.3.2.4 5.2.6.3.2.5 5.2.6.3.3 5.2.6.5.1	5.2.1.8.1 5.2.6.5.1	5.2.1.8.3 5.2.1.9 5.2.6.1 5.2.6.3.2.1 5.2.6.3.2.2 5.2.6.3.2.3 5.2.6.3.2.4 5.2.6.3.2.5 5.2.6.3.3		ISO 8100-1 has differing requirements
2.7.1.3	Floors	5.2.6.3.2.4 5.2.6.3.2.5		5.2.6.3.2.4 5.2.6.3.2.5		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.7.2	**Maintenance Path and Clearance**					
2.7.2.1	Maintenance Path in Machine Rooms and Control Rooms	5.2.6.3.2.1 5.2.6.3.2.2 5.2.6.3.2.3 5.2.6.3.2.5 5.2.6.3.3 5.2.6.7	5.2.6.3.2.1 5.2.6.3.2.3 5.2.6.3.2.5 5.2.6.3.3	5.2.6.3.2.2 5.2.6.7		ISO 8100-1 has differing requirements
2.7.2.2	Maintenance Path in Machinery Spaces and Control Spaces	5.2.6.4.1.2 5.2.6.7	5.2.6.4.1.2 5.2.6.7			ISO 8100-1 has differing requirements
2.7.2.3	Maintenance Clearance in Machine Rooms and Control Rooms	5.2.6.3.2.1 5.2.6.3.2.3 5.2.6.3.2.5 5.2.6.3.3 5.2.6.7	5.2.6.3.2.3 5.2.6.3.2.5 5.2.6.3.3	5.2.6.3.2.1 5.2.6.7		ISO 8100-1 has differing requirements
2.7.2.4	Maintenance Clearance in Machinery Spaces and Control Spaces	5.2.6.4.2 5.2.6.4.6 5.2.6.5.2 5.2.6.7		5.2.6.4.2 5.2.6.4.6 5.2.6.5.2 5.2.6.7		ISO 8100-1 has differing requirements
2.7.3	**Access to Machinery Spaces, Machine Rooms, Control Spaces and Control Rooms**					
2.7.3.1	General	5.2.2.1 Annex D	5.2.2.1 Annex D			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.7.3.2	Passage Across Roofs	5.2.2.5			5.2.2.5	ISO 8100-1 has differing requirements
2.7.3.3	Means of Access	5.2.2 5.2.6.3.2.2 5.2.6.3.2.3 5.2.6.3.2.4 5.2.6.3.2.5 Annex D Annex F		5.2.2 5.2.6.3.2.2 5.2.6.3.2.3 5.2.6.3.2.4 5.2.6.3.2.5 Annex D Annex F		ISO 8100-1 has differing requirements
2.7.3.4	Access Doors and Openings	5.2.3 5.2.3.3 5.2.4	5.2.3 5.2.4	5.2.3.3		ISO 8100-1 has differing requirements
2.7.3.5	Stop Switch for Machinery Spaces or Control Spaces	5.2.1.5.1 5.2.1.5.2 5.4.8 5.12.1.11	5.2.1.5.1 5.2.1.5.2 5.4.8 5.12.1.11			ISO 8100-1 has differing requirements
2.7.4	**Headroom in Machinery Spaces, Machine Rooms, Control Spaces and Control Rooms**	5.2.6.3.2.1 5.2.6.3.2.2 5.2.6.4.1.2 5.2.4.4.2.1 5.2.6.7.1.1	5.2.6.3.2.1 5.2.6.3.2.2 5.2.6.4.1.2 5.2.4.4.2.1	5.2.6.7.1.1		ISO 8100-1 has differing requirements
2.7.5	**Working Areas Inside the Hoistway and in the Pit**					
2.7.5.1	Working Areas in the Car or on the Car Top	5.2.6.4.1.3 5.2.6.4.3 5.6.1.2	5.2.6.4.3	5.2.6.4.1.3 5.6.1.2		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.7.5.2	Working Areas in the Pit	5.2.6.4.1.3 5.2.6.4.4 5.6.2.1	5.2.6.4.4	5.2.6.4.1.3 5.6.2.1		ISO 8100-1 has differing requirements
2.7.5.3	Working Platforms	5.2.6.4.1.3 5.2.6.4.5	5.2.6.4.5	5.2.6.4.1.3		ISO 8100-1 has differing requirements
2.7.5.4	Working Platforms in the Line of Movement of the Car or Counterweight	5.2.6.4.1.3 5.2.6.4.5.1 5.2.6.4.5.2	5.2.6.4.5.1 5.2.6.4.5.2	5.2.6.4.1.3		ISO 8100-1 has differing requirements
2.7.5.5	Retractable Stops	5.2.6.4.1.3 5.2.6.4.5.2 (b)	5.2.6.4.5.2 (b)	5.2.6.4.1.3		ISO 8100-1 has differing requirements
2.7.6	**Location of Machinery Spaces, Machine Rooms, Control Spaces, Control Rooms and Equipment**					
2.7.6.1	Location of Machine Rooms and Control Rooms	3.27 3.28	3.27 3.28			ISO 8100-1 has differing requirements
2.7.6.2	Location of Machinery Spaces and Control Spaces	3.28 3.29	3.28 3.29			ISO 8100-1 has differing requirements
2.7.6.3	Location of Equipment	5.2.1.1.1 5.2.6.3.1 5.6.2.2.1.4	5.2.1.1.1 5.2.6.3.1 5.6.2.2.1.4			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.7.6.4	Means Necessary for Tests	5.2.6.4.3.2 5.2.6.4.4.3 5.2.6.4.5.7 5.2.6.6 5.6.2.2.2 5.6.6.6 5.6.7.10 5.9.2.3.2 5.9.2.3.3	5.2.6.4.3.2 5.2.6.4.4.3 5.2.6.4.5.7 5.2.6.6 5.6.6.6 5.6.7.10 5.9.2.3.2	5.9.2.3.3	5.6.2.2.2	ISO 8100-1 has differing requirements
2.7.6.5	Inspection and Test Panel	5.2.6.4.3 5.2.6.4.4 5.2.6.4.5 5.2.6.6	5.2.6.4.3 5.2.6.4.4 5.2.6.4.5 5.2.6.6			ISO 8100-1 has differing requirements
2.7.6.6	Equipment Exposure to Weather	5.2.6.4.1.1 5.2.6.1	5.2.6.4.1.1 5.2.6.1			ISO 8100-1 has differing requirements
2.7.7	**Machine Rooms and Control Rooms Underneath the Hoistway**	5.2.1.8 5.2.5.4	5.2.1.8 5.2.5.4			ISO 8100-1 has differing requirements
2.7.8	**Remote Machine Rooms and Control Rooms**	None				ISO 8100-1 has no requirements
2.7.9	**Lighting, Temperature and Humidity in Machinery Spaces, Machine Rooms, Control Spaces and Control Rooms**	5.2.1.4.2 Annex E3	5.2.1.4.2 Annex E3			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.8	**Equipment in Hoistways, Machinery Spaces, Machine Rooms, Control Spaces, and Control Rooms**					
2.8.1	**Equipment Allowed**	5.2.1.2.1	5.2.1.2.1			
2.8.2	**Electrical Equipment and Wiring**	5.2.1.2		5.2.1.2		ISO 8100-1 has differing requirements
2.8.3	**Pipes, Ducts, Tanks and Sprinklers**	5.2.1.2.1	5.2.1.2.1			ISO 8100-1 has differing requirements
2.8.4	**Electrical Heaters**	5.2.1.2.1(a) Annex E3		5.2.1.2.1(a) Annex E3		ISO 8100-1 has differing requirements
2.8.5	**Air Conditioning**	5.2.1.2.1(a) Annex E3	5.2.1.2.1(a) Annex E3			
2.8.6	**Miscellaneous Equipment**	5.2.1.2.1			5.2.1.2.1	ISO 8100-1 has differing requirements
SECTION 2.9	**Machinery and Sheave Beams, Supports, and Foundations**					
2.9.1	**Machinery and sheave beams, supports and foundations**	5.2.1.8			5.2.1.8	ISO 8100-1 has differing requirements. (See also local Building Codes)
2.9.2	**Loads on Machinery and Sheave Beams, Floors, or Foundations and Their Supports**	Annex E1			Annex E1	ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.9.3	**Securing of Machinery and Equipment to Beams, Foundations, Guide Rails, Structural Walls, or Floors**	None				ISO 81001-1 has no requirements
2.9.4	**Allowable Stresses for Machinery and Sheave Beams or Floors, Their Supports and Any Support Members That Transmit Load to the Guide Rails or Structural Walls**	5.2.1.8.1			5.2.1.8.1	ISO 8100-1 has differing requirements
2.9.5	**Allowable Deflections for Machinery and Sheave Beams or Floors, Their Supports and Any Support Members That Transmit Load to the Guide Rails or Structural Walls**	5.2.1.8.4 Annex E2			5.2.1.8.4 Annex E2	ISO 8100-1 has differing requirements
2.9.6	**Allowable stress due to emergency braking**	5.2.1.8.4	5.2.1.8.4			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.10	**Guarding of Equipment and Standard Railing**					
2.10.1	**Guarding of Equipment**	5.5.7 5.4.11.3		5.5.7 5.4.11.3		ISO 8100-1 has differing requirements A17.1/B44 does not require protection around counterweight pulleys
2.10.2	**Standard Railing**	5.4.7.4		5.4.7.4		ISO 8100-1 has differing requirements
SECTION 2.11	**Protection of Hoistway Openings**					
2.11.1	**Entrances and Emergency Doors Required**					
2.11.1.1	Hoistway Landing Entrances	5.3.1.1 5.3.1.3 5.3.2.1 5.3.2.2	5.3.1.1 5.3.1.3 5.3.2.1	5.3.2.2		ISO 8100-1 has differing requirements
2.11.1.2	Emergency Doors in Blind Hoistways	5.2.3.1 5.2.3.2 5.2.3.3 5.2.4.2	5.2.3.1 5.3.2.3 5.2.3.3 (b); (c)	5.2.3.2 (d) 5.2.3.3 (a); (d); (e); (f)	5.2.4.2	ISO 8100-1 has differing requirements
2.11.1.3	Telephone as Alternate to Emergency Doors	None			5.2.3	ISO 8100-1 has no requirements concerning use of Telephones

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.1.4	Access Openings for Cleaning of Car and Hoistway Entrances	5.2.3.2 5.2.3.3 5.2.3.4 5.2.4.2	5.3.2.3 5.2.3.3 (b); (c)	5.2.3.2 (a) 5.2.3.3 (a); (d); (e); (f)	5.2.4.2	ISO 8100-1 has differing requirements
2.11.2	**Types of Entrances**					
2.11.2.1	Types of Entrances: Passenger Elevators	5.3	5.3	5.3.6.2.2.3		ISO 8100-1 has differing requirements
2.11.2.2	Types of Entrances: Freight Elevators	5.3	5.3			ISO 8100-1 does not address Freight Elevators
2.11.2.3	Limitations of Use of Center-Opening Swinging Entrances	5.3	5.3			ISO 8100-1 has no limitations
2.11.3	**Closing of Hoistway Doors**					
2.11.3.1	Door Closers	5.3.9.3.4 5.3.12	5.3.9.3.4		5.3.12	ISO 8100-1 has differing requirements
2.11.3.2	Location of Door Closer	None				ISO 8100-1 does not address the location of the door closer
2.11.4	**Location of Horizontally Sliding or Swinging Hoistway Doors**					
2.11.4.1 2.11.4.2		5.3.4.1 5.3.4.2 5.3.4.3			5.3.4.1 5.3.4.2 5.3.4.3	ISO 8100-1 has differing requirements
2.11.5	**Projection of Entrances and Other Equipment Beyond the Landing Sills**	5.3	5.3			ISO 8100-1 does not address projection beyond the landing sills

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.6	**Opening of Hoistway Doors**					
2.11.6.1	Openable by Hand	5.3.15.1		5.3.15.1		ISO 8100-1 has differing requirements
2.11.6.2	Locking Entrances Out of Service	5.3.15.1			5.3.15.1	ISO 8100-1 has differing requirements
2.11.6.3	Additional Doors or Devices	0.3.3			0.3.3	ISO 8100-1 does not address additional door devices
2.11.6.4	Handles on Manual Doors	5.1.1			5.1.1	ISO 8100-1 has differing requirements
2.11.7	**Glass in Hoistway Doors**					
2.11.7.1	Vision Panels	5.3.7.2.1 5.3.6.1			5.3.7.2.1 (a) 5.3.6.1	ISO 8100-1 has differing requirements
2.11.7.2	Glass Doors	5.3.5.3.4 5.3.5.3.5 5.3.5.3.6 5.3.5.3.7 5.3.6.1			5.3.5.3.4 5.3.5.3.5 5.3.5.3.6 5.3.5.3.7 5.3.6.1	ISO 8100-1 has differing requirements
2.11.8	**Weights for Closing Doors**	None			5.1.1	ISO 8100-1 does not address guides or restraints
2.11.9	**Hoistway Door Locking Devices and Power Operation**					
2.11.9.1	Locking Devices	5.3.9.1.1			5.3.9.1.1	ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.9.2	Power Operation	5.3.6.2			5.3.6.2	ISO 8100-1 has differing requirements
2.11.10	**Landing-Sill Guards, Landing-Sill Illumination, Hinged Landing Sills, and Tracks on Landings**					
2.11.10.1	Landing-Sill Guards	5.2.5.3.2		5.2.5.3.2		ISO 8100-1 has differing requirements
2.11.10.2	Illumination at Landing Sills	5.3.7.1		5.3.7.1		ISO 8100-1 has differing requirements
2.11.10.3	Hinged Hoistway Landing Sills	5.3.3.1	5.3.3.1			ISO 8100-1 does not address hinged sills
2.11.11	**Entrances, Horizontal Slide Type**					
2.11.11.1	Landing Sills	5.3.3.1	5.3.3.1			
2.11.11.2	Hangers, Tracks and Track Supports	5.3.5.3			5.3.5.3	ISO 8100-1 has differing requirements
2.11.11.3	Entrance Frames	5.3.5.2 Annex E: E.1			5.3.5.2 Annex E: E.1	ISO 8100-1 has differing requirements
2.11.11.4	Hangers	5.3.3.2.1	5.3.3.2.1			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.11.5	Panels	5.3.1.3 5.3.1.4 5.3.5.2 5.3.5.3.1 5.3.5.3.3 5.3.6.1 5.3.6.2.2.1 (g) ISO 8100-2: 5.14	5.3.6.1 5.3.6.2.2.1 (g)		5.3.1.3 5.3.1.4 5.3.5.2 5.3.5.3.1 5.3.5.3.3 ISO 8100-2: 5.14	ISO 8100-1 has differing requirements See also ISO 8100-2; Requirement 5.14 (Pendulum Shock Test)
2.11.11.6	Bottom Guides	5.3.3.2	5.3.3.2			ISO 8100-1 has differing requirements
2.11.11.7	Multi-panel Entrances	5.3.11.1 5.3.11.2 5.3.11.3	5.3.11.1 5.3.11.2		5.3.11.3	ISO 8100-1 has differing requirements
2.11.11.8	Hoistway Door Safety Retainers	5.3.5.3.2			5.3.5.3.2	ISO 8100-1 has differing requirements
2.11.11.9	Beams, Walls, Floors and Supports	None			Annex E: E.1	ISO 8100-1 has no requirements
2.11.11.10	Hoistway Door to Sill Clearance	5.3.1.4			5.3.1.4	ISO 8100-1 has differing requirements
2.11.12	**Entrances, Vertical Slide Type**				5.3.4.3	
2.11.12.1	Landing Sills	5.3.3.1	5.3.3.1			ISO 8100-1 has differing requirements
2.11.12.2	Entrance Frames	5.3.5.2 Annex E: E.1			5.3.5.2 Annex E: E.1	ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.12.3	Rails	5.3.3.2 5.3.5.3.1 5.3.5.3.4 Annex E: E1	5.3.3.2		5.3.5.3.1 5.3.5.3.4 Annex E: E.1	ISO 8100-1 has differing requirements
2.11.12.4	Panels	5.3.1.3 5.3.1.4 5.3.5.1 5.3.5.3.1 5.3.5.3.4 5.3.6.1 Annex E: E.1 ISO 8100-2: 5.14	5.3.5.1	5.3.1.4 5.3.6.1	5.3.1.3 5.3.5.3.1 5.3.5.3.4 Annex E: E.1 ISO 8100-2: 5.14	ISO 8100-1 has differing requirements See also ISO 8100-2; Requirement 5.14 (Pendulum Shock Test)
2.11.12.5	Guides	5.3.3.2 5.3.5.3.1 5.3.5.3.4	5.3.3.2		5.3.5.3.1 5.3.5.3.4	ISO 8100-1 has differing requirements
2.11.12.6	Counterweighting or Counterbalancing	5.1.1 5.3.3.3			5.1.1 5.3.3.3	ISO 8100-1 has differing requirements
2.11.12.7	Sill Guards	5.1.1			5.1.1	ISO 8100-1 has differing requirements
2.11.12.8	Pull Straps	None				ISO 8100-1 has no requirements
2.11.13	**Entrances, Swinging Type**					
2.11.13.1	Landing Sills	5.3.3.1	5.3.3.1			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.11.13.2	Entrance Frames	5.3.5.3.1 5.3.5.3.4 5.3.5.2			5.3.5.3.1 5.3.5.3.4 5.3.5.2	ISO 8100-1 has differing requirements
2.11.13.2	Panels	5.1.1 5.3.1.3 5.3.1.4 5.3.5.2 5.3.5.3.1 5.3.5.3.4 ISO 8100-2: 5.14	5.1.1		5.3.1.3 5.3.1.4 5.3.5.2 5.3.5.3.1 5.3.5.3.4 ISO 8100-2: 5.14	ISO 8100-1 has differing requirements See also ISO 8100-2; Requirement 5.14 (Pendulum Shock Test)
2.11.13.4	Hinges	None				ISO 8100-1 has no requirements
2.11.13.5	Entrances with Combination Horizontally Sliding and Swinging Panels	None				ISO 8100-1 has no requirements
2.11.14	**Fire Tests**	5.3.5.2			5.3.5.2	ISO 8100-1 has differing requirements
2.11.15	**Marking**					
2.11.15.1	Labeling of Tested Entrance Assembly	Annex B			Annex B	ISO 8100-1 has differing requirements
2.11.15.2	Other Entrance Assemblies	5.3.5.2			5.3.5.2	ISO 8100-1 has differing requirements
2.11.15.3	Entrances Larger Than Tested Assemblies	5.3.5.2			5.3.5.2	ISO 8100-1 has differing requirements
2.11.16	**Factory Inspections**	None				ISO 8100-1 has no requirements

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2.11.17	**Transoms and Fixed Side Panels**	0.3.3			0.3.3	ISO 8100-1 has differing requirements
2.11.18	**Installation Instructions**	6.2			6.2	ISO 8100-1 has differing requirements
2.11.19	**Gasketing of Hoistway Entrances**	0.3.3 5.3.5.2			0.3.3 5.3.5.2	ISO 8100-1 has differing requirements
SECTION 2.12	**Hoistway Door Locking Devices and Electric Contacts, and Hoistway Access Switches**					
2.12.1	**General**					
2.12.1	Unlocking Zone	5.3.8.1	5.3.8.1			ISO 8100-1 has differing requirements ISO 8100-1 does not address Freight Elevators. Requirements for Passenger Elevators would apply.
2.12.1.1	Car Stopped in the Unlocking Zone	5.3.15		5.3.15		ISO 8100-1 has differing requirements
2.12.1.2	Car Outside the Unlocking Zone	5.3.9.3.1			5.3.9.3.1	ISO 8100-1 has differing requirements. See also A17.1/B44 2.12.2
2.12.1.3	Locking Doors out of Service	5.3.9.3.1 5.3.15			5.3.9.3.1 5.3.15	ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.12.1.4	Interlocks Required	5.3.9.1			5.3.9.1	ISO 8100-1 has differing Requirements. See also A17.1/B44 2.12.2
2.12.1.5	Mechanical Locks and Contacts on Freight Elevators	5.3.9.1			5.3.9.1	ISO 8100-1 has differing requirements. ISO 8100-1 does not address Freight Elevators. Requirements for Passenger Elevators would apply.
2.12.2	**Interlocks**					
2.12.2.1	General	5.3.9.1.1	5.3.9.1.1			
2.12.2.2	Closed Position of Hoistway Doors	None				ISO 8100-1 has no requirements
2.12.2.3	Operation of Driving Machine With Hoistway Door Unlocked or Not in Closed Position	5.3.8.2	5.3.8.2			ISO 8100-1 has differing requirements
2.12.2.4	General Design Requirements	5.3.9.1.4 5.3.9.1.5 5.3.9.1.9 5.3.9.1.10 5.3.9.1.11 5.3.9.4			5.3.9.1.4 5.3.9.1.5 5.3.9.1.9 5.3.9.1.10 5.3.9.1.11 5.3.9.4	ISO 8100-1 has differing requirements
2.12.2.4.1	Opening Locking Member	5.3.9.1.3 5.3.10	5.3.9.1.3 5.3.10			ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.12.2.4.2	Maintaining Locking Member	5.3.9.1.6 5.3.9.1.8	5.3.9.1.8	5.3.9.1.6		ISO 8100-1 has differing requirements
2.12.2.4.3	Engagement	5.3.9.1.2	5.3.9.1.2			
2.12.2.4.4	Multi-Section Doors	5.3.11.1 5.3.11.2 5.3.11.3			5.3.11.1 5.3.11.2 5.3.11.3	ISO 8100-1 has differing requirements
2.12.2.4.5	Single Master Switch	5.3.9.1.1 5.3.9.4.1	5.3.9.1.1 5.3.9.4.1			ISO 8100-1 has differing requirements
2.12.2.4.6	Mercury Tube Switch	5.3.9.1.1 5.3.9.4.1	5.3.9.1.1 5.3.9.4.1			ISO 8100-1 has differing requirements
2.12.2.5	Interlock Retiring Cam Device	None				ISO 8100-1 has no requirements
2.12.2.6	Location	5.3.10.1	5.3.10.1			
2.12.3	**Hoistway Door Combination Mechanical Locks and Electric Contracts**	5.3.9.1 5.3.9.4			5.3.9.1 5.3.9.4	ISO 8100-1 has differing requirements
2.12.4	**Listing/Certification Door Locking Devices and Door or Gate Electric Contacts**	5.3.9.1.7 5.3.9.1.12 5.3.9.1.13 ISO 8100-2: 5.2			5.3.9.1.7 5.3.9.1.12 5.3.9.1.13 ISO 8100-2: 5.2	ISO 8100-1 has differing requirements. See also ISO 8100-2; Requirement 5.2 (Type examination of landing and car door locking devices)

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.12.6	**Hoistway Door Unlocking Devices**					
2.12.6.1	General	5.3.9.3.1	5.3.9.3.1			
2.12.6.2	Location and Design	5.3.9.3.2 5.3.9.3.3 5.3.9.3.5			5.3.9.3.2 5.3.9.3.3 5.3.9.3.5	ISO 8100-1 has differing requirements
2.12.7	**Hoistway Access Switches**	None				ISO 8100-1 has no requirements
SECTION 2.13	**Power Operation of Hoistway Doors and Car Doors**					
2.13.1	**Types of Doors and Gates Permitted**	5.3.6.2.2 5.3.6.2.3			5.3.6.2.2 5.3.6.2.3	ISO 8100-1 has differing requirements
2.13.2	**Power Opening**					
2.13.2.1	Power Opening of Car Doors or Gates	None Except Folding Doors 5.3.6.2.2.1 (e)				ISO 8100-1 has differing requirements
2.13.2.2	Power Opening of Hoistway Doors	None Except Folding Doors 5.3.6.2.2.1 (e)				ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.13.3	**Power Closing**					
2.13.3.1	Power Closing or Automatic Self-Closing of Car Doors or Gates Where Used With Manually Operated or Self-Closing Hoistway Doors	None				ISO 8100-1 has no requirements
2.13.3.2	Power Closing of Horizontally Sliding Hoistway Doors and Horizontally Sliding Car Doors or Gates by Continuous Pressure Means	5.3.6.2.2.2			5.3.6.2.2.2	ISO 8100-1 has differing requirements
2.13.3.3	Power Closing of Horizontally Sliding Hoistway Doors and Horizontally Sliding Car Doors or Gates by Momentary Pressure or Automatic Means	5.3.6.2.2 5.3.6.3	5.3.6.3		5.3.6.2.2	See A17.1/B44 2.13.4
2.13.3.4	Power Closing of Vertically Sliding Hoistway doors and Vertically Sliding Car Doors or Gates	5.3.6.2.2.3 5.3.6.3	5.3.6.3		5.3.6.2.2.3	ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.13.4	**Closing Limitations for Power-Operated Horizontally Sliding Hoistway Doors and Horizontally Sliding Car Doors or Gates**					
2.13.4.1	Where Required	5.3.6.2.1 5.3.6.2.2.1(h) 5.3.6.2.2.1(i)			5.3.6.2.1 5.3.6.2.2.1(h) 5.3.6.2.2.1(i)	ISO 8100-1 has differing requirements
2.13.4.2	Closing Mechanism					
2.13.4.2.1	Kinetic Energy	5.3.6.2.2.1 (a) 5.3.6.2.2.1 (b)(4)	5.3.6.2.2.1 (a)		5.3.6.2.2.1 (b)(4)	ISO 8100-1 has differing requirements
2.13.4.2.2	Door Travel in the Code Zone Distance	5.3.6.2.2.1(a)			5.3.6.2.2.1(a)	ISO 8100-1 has differing requirements
2.13.4.2.3	Door Force	5.5.6.2.2.1(c)			5.5.6.2.2.1(c)	ISO 8100-1 has differing requirements
2.13.4.2.4	Data Plate	None				ISO 8100-1 has no requirements
2.13.5	**Reopening Device for Power-Operated Horizontally Sliding Car Doors or Gates**	5.3.6.2.2.1(b) 5.5.6.2.2.1(d)			5.3.6.2.2.1(b) 5.5.6.2.2.1(d)	ISO 8100-1 has differing requirements
2.13.6	**Sequence Operation for Power-Operated Hoistway Doors with Car Doors or Gates**	5.3.6.2.2.3 (d)	5.3.6.2.2.3 (d)			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.14	**Power Operation of Hoistway Doors and Car Doors**					
2.14.1	**Passenger and Freight Enclosures, General**					
2.14.1.1	Enclosure Required	5.4.3.1		5.4.3.1		ISO 8100-1 has differing requirements
2.14.1.2	Securing of Enclosures	None				ISO 8100-1 has no requirements
2.14.1.3	Strength and Deflection of Enclosure Walls	5.4.3.2 5.4.3.2.2		5.4.3.2 5.4.3.2.2		ISO 8100-1 has differing requirements
2.14.1.4	Number of Compartments in Passenger and Freight Elevator Cars	None				ISO 8100-1 has no requirements
2.14.1.5	Top Emergency Exits	5.4.3.1 (b) 5.4.6	5.4.3.1 (b)	5.4.6		ISO 8100-1 has differing requirements
2.14.1.6	Car Enclosure Tops	5.4.3.2 5.4.7.1 5.4.7.5 5.4.7.6		5.4.3.2 5.4.7.1 5.4.7.5 5.4.7.6		ISO 8100-1 has differing requirements
2.14.1.7	Railing and Equipment on Car Enclosure Top	5.4.7.2 5.4.7.3 5.4.7.4		5.4.7.2 5.4.7.3 5.4.7.4		ISO 8100-1 has differing requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.14.1.8	Glass in Elevator Cars	5.4.3.2.3 5.4.3.2.4 5.4.3.2.5 5.4.3.2.6 5.4.3.3		5.4.3.2.3 5.4.3.2.4 5.4.3.2.5 5.4.3.2.6 5.4.3.3		ISO 8100-1 has differing requirements
2.14.1.9	Equipment Inside Cars	None				ISO 8100-1 has no requirements
2.14.1.10	Side Emergency Exits	5.4.6.2	5.4.6.2			A17.1/B44 does not permit emergency doors between adjacent cars
2.14.2	**Passenger-Car Enclosures**					
2.14.2.1	Material for Car Enclosures, Enclosure Linings, and Floor Coverings	5.4.4		5.4.4		ISO 8100-1 has differing requirements
2.14.2.2	Openings Prohibited	None				ISO 8100-1 has no requirements
2.14.2.3	Ventilation	5.4.3.1 (c) 5.4.9		5.4.3.1 (c) 5.4.9		ISO 8100-1 has differing requirements
2.14.2.4	Headroom in Elevator Cars	5.4.1	5.4.1			
2.14.2.5	Vision Panels	5.4.3.2.3		5.4.3.2.3		ISO 8100-1 has differing requirements
2.14.2.6	Access Panels	None				ISO 8100-1 has no requirements
2.14.3	**Freight-Car Enclosure**					
2.14.3.1	Enclosure Material	5.4.4		5.4.4		ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.14.3.2	Openings in Car Tops	5.4.3.1 (b) 5.4.6	5.4.3.1 (b)	5.4.6		ISO 8100-1 has differing requirements
2.14.3.3	Ventilation	5.4.3.1 (c) 5.4.9		5.4.3.1 (c) 5.4.9		ISO 8100-1 has differing requirements
2.14.4	**Passenger and Freight Car Doors and Gates, General Requirements**	5.3 5.4.3.1 (a)		5.3 5.4.3.1 (a)		ISO 8100-1 has differing requirements
2.14.4.1	Where Required	5.3.1		5.3.1		ISO 8100-1 has differing requirements
2.14.4.2	Door and Gate Electric Contacts and Door Interlocks	None				ISO 8100-1 has no requirements
2.14.4.3	Type and Material for Doors	5.3.1.2		5.3.1.2		ISO 8100-1 has differing requirements
2.14.4.4	Type of Gates.	None				ISO 8100-1 has no requirements
2.14.4.5	Location	5.3.4.3		5.3.4.3		ISO 8100-1 has differing requirements
2.14.4.6	Strength of Doors, Gates, and Their Guides, Guide Shoes, Tracks, and Hangers	5.3.3.1 5.3.3.2 5.3.5.3		5.3.3.1 5.3.3.2 5.3.5.3		ISO 8100-1 has differing requirements
2.14.4.7	Vertically Sliding Doors and Gates	5.3.3.3		5.3.3.3		ISO 8100-1 has differing requirements
2.14.4.8	Weights for Closing or Balancing Doors or Gates	None				ISO 8100-1 has no requirements

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2.14.4.9	Factor of Safety for Suspension Members	5.3.3.3.2		5.3.3.3.2		ISO 8100-1 has differing requirements
2.14.4.10	Power-Operated and Power-Opened or Power-Closed Doors or Gates	5.3.6.2		5.3.6.2		ISO 8100-1 has differing requirements
2.14.4.11	Closed Position of Car Doors or Gates	None				ISO 8100-1 has no requirements
2.14.5	**Passenger Car Doors**					
2.14.5.1	Number of Entrances Permitted	None				ISO 8100-1 has no requirements
2.14.5.2	Type Required	5.3.14		5.3.14		ISO 8100-1 has differing requirements
2.14.5.3	Vertically Sliding Doors	None				ISO 8100-1 has no requirements
2.14.5.4	Dimensions of Doors	5.3.1.3		5.3.1.3		
2.14.5.5	Openings in Doors	None				ISO 8100-1 has no requirements
2.14.5.6	Door Panels	5.3.1.4 5.3.4.2 5.3.4.3		5.3.1.4 5.3.4.2 5.3.4.3		ISO 8100-1 has no requirements
2.14.5.7	Restricted Opening of Car Doors	5.3.9.2 5.3.13		5.3.9.2 5.3.13		ISO 8100-1 has differing requirements Car door lock requirement is the same as hoistway door lock, 5.3.9.2 refers to 5.3.9.1.

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2.14.5.8	Manual Opening of Car Doors	None				ISO 8100-1 has no requirements
2.14.5.9	Glass in Car Doors	5.3.5.3		5.3.5.3		ISO 8100-1 has differing requirements
2.14.6	**Freight Elevator Car Doors and Gates**					
2.14.6.1	Type of Gates	5.3.14		5.3.14		ISO 8100-1 has differing requirements
2.14.6.2	Vertically Sliding Doors and Gates	5.3.6.2.2.3		5.3.6.2.2.3		ISO 8100-1 has differing requirements
2.14.6.3	Collapsible-Type Gates	None				ISO 8100-1 has no requirements
2.14.6.4	Folding Car Doors	5.3.14		5.3.14		ISO 8100-1 has differing requirements
2.14.7	**Illumination of Cars and Lighting Fixtures**					
2.14.7.1	Illumination and Outlets Required	5.4.10 5.2.1.4.1		5.4.10	5.2.1.4.1	ISO 8100-1 has differing requirements
2.14.7.2	Light Control Switches	None				ISO 8100-1 has no requirements
2.14.7.3	Car Lighting Devices	None				ISO 8100-1 has no requirements
2.14.7.4	Protection of Light Bulbs and Tubes	None				ISO 8100-1 has no requirements

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SECTION 2.15	**CAR FRAMES AND PLATFORMS**					
2.15.1	**Car Frames Required**	5.4.3.2 5.9.3.1.2, 8.2		5.4.3.2 5.9.3.1.2, 8.2		ISO 8100-1 has differing Requirements
2.15.2	**Guiding Means**	5.4.3.2, 8.2		5.4.3.2, 8.2		ISO 8100-1 has differing Requirements
2.15.3	**Design of Car Frames and Guiding Members**	5.4.3.2 5.4.3.3 8.2		5.4.3.2 5.4.3.3 8.2		ISO 8100-1 has differing Requirements
2.15.4	**Underslung or Sub-Post Frames**	8.2		8.2		ISO 8100-1 has no requirements
2.15.5	**Car Platforms**	5.4.3.1 5.4.3.2 5.4.3.3 5.4.4 8.2		5.4.3.1 5.4.3.2 5.4.3.3 5.4.4 8.2		ISO 8100-1 has differing Requirements
2.15.6	**Materials for Car Frames and Platform Frames**	5.4.4 8.2		5.4.4 8.2		ISO 8100-1 has differing Requirements
2.15.6.1	Materials Permitted	5.4.4		5.4.4		ISO 8100-1 has differing Requirements
2.15.6.2	Requirements for Steel					
2.15.6.2.1	Car-Frame and Platform-Frame Members	5.4.3.2		5.4.3.2		ISO 8100-1 has differing Requirements
2.15.6.2.2	Rivets, Bolts, and Rods	None				ISO 8100-1 has no requirements

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2.15.6.2.3	Steels of Other Strength	None				ISO 8100-1 has no requirements
2.15.6.3	Requirements for Metals Other Than Steel	None				ISO 8100-1 has no requirements
2.15.6.4	Requirements for Wood Used for Platform Floors and Stringers	None				ISO 8100-1 has no requirements
2.15.7	**Car Frame and Platform Connections**					
2.15.7.1	Internal Connections	None				ISO 8100-1 has no requirements
2.15.7.2	Connection Between Car Frame and Platform	None				ISO 8100-1 has no requirements
2.15.7.3	Bolts, Nuts, and Welding	None				ISO 8100-1 has no requirements
2.15.8	**Protection of Platforms Against Fire**	5.4.4		5.4.4		ISO 8100-1 has differing Requirements
2.15.9	**Platform Guards (Aprons)**	5.4.5		5.4.5		ISO 8100-1 has differing Requirements
2.15.10	**Maximum Allowable Stresses in Car Frame and Platform Members and Connections**	5.4.3.2		5.4.3.2		ISO 8100-1 has differing requirements

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2.15.11	**Maximum Allowable Deflections of Car Frame and Platform Members**	None				ISO 8100-1 has no requirements
2.15.12	**Car Frames With Sheaves Where a hoisting-rope sheave is mounted on the car frame**	None				ISO 8100-1 has no requirements
2.15.13	**Suspension-Rope Hitch Plates or Shapes**	None				ISO 8100-1 has no requirements
2.15.14	**Calculation of Stresses in Car-Frame and Platform-Frame Members**	None				ISO 8100-1 has no requirements
2.15.15	**Platform Side Braces**	None				ISO 8100-1 has no requirements
2.15.16	**Hinged Platform Sills**	None				ISO 8100-1 has no requirements
2.15.17	**Fastening of Compensation Means**	None				ISO 8100-1 has no requirements

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SECTION 2.16	**CAPACITY AND LOADING**					
2.16.1	**Minimum Rated Load for Passenger Elevators**					
2.16.1.1	Minimum Load Permitted	5.4.2.1.1 5.4.2.1.2 5.4.2.1.3 5.4.2.3.1 5.4.2.3.2 5.12.1.2.1 5.12.1.2.2 5.12.1.2.3	5.4.2.1.1 5.4.2.3.1	5.4.2.1.2 5.4.2.1.3 5.4.3.1 5.4.2.3.2	5.12.1.2.1 5.12.1.2.2 5.12.1.2.3	ISO 8100-1 has differing requirements
2.16.1.2	Use of Partitions for Reducing Inside Net Platform Area	None				ISO 8100-1 has no requirements
2.16.1.3	Carrying of Freight on Passenger Elevators	5.4.2.2.1 5.4.2.2.2		5.4.2.2.1 5.4.2.2.2		ISO 8100-1 has differing requirements
2.16.2	**Minimum Rated Load for Freight Elevators**					
2.16.2.1	Minimum Load Permitted	5.4.2.2.1		5.4.2.2.1		ISO 8100-1 has differing requirements
2.16.2.2	Classes of Loading and Design Requirements					
2.16.2.2.1	Class A: General Freight Loading	5.4.2.2.1			5.4.2.2.1	ISO 8100-1 has differing requirements

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2.16.2.2.2 2.16.2.2.3 2.16.2.2.4	Class B: Motor Vehicle Loading Class C: Industrial Truck and Other Loading	None				ISO 8100-1 has no requirements
2.16.3	**Capacity and Data Plates**					
2.16.3.1	Plates Required and Locations	5.4.2.3.2		5.4.2.3.2		ISO 8100-1 has differing requirements
2.16.3.2	Information Required on Plates	5.4.2.3.2		5.4.2.3.2		ISO 8100-1 has differing requirements
2.16.3.3	Material and Marking of Plates	5.4.2.3.2		5.4.2.3.2		ISO 8100-1 has differing requirements
2.16.4	**Carrying of Passengers on Freight Elevators**					
2.16.4.1	Not Accessible to General Public	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.1	Rated Load not less than 2.16.1	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.3	Conform to 2.16.8	None				ISO 8100-1 does not address elevators not accessible to the general public

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2.16.4.4	Hoistway Doors conform to 2.12.1.1 and 2.11.2.1 or be power operated conforming to 2.11.2.2(e)	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.5	Car Doors Provided and conform to 2.14.5	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.6	Openings in Enclosures conform to 2.14.2.2	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.7	Factor of Safety of Suspension Means to conform to Table 2.20.3 for Passenger Elevators	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.8 (a)	Power Operated Vertical Slide Doors to be Power Closed in conformance with 2.13.3.4	None				ISO 8100-1 does not address elevators not accessible to the general public
2.16.4.8 (b)	Supporting chains and ropes not be exposed to car interior	5.3.1.4 5.3.6.1			5.3.1.4 5.3.6.1	ISO 8100-1 has differing requirements
2.16.5	**Signs Required in Freight Elevator Cars**					
2.16.5.1	Signs Required	5.4.2.3.3		5.4.2.3.3		ISO 8100-1 has differing requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.16.5.2	Material and Marking of Signs	5.1.2		5.1.2		ISO 8100-1 has differing requirements
2.16.6	**Overloading of Freight Elevators**	5.4.2.2.1		5.4.2.2.1		ISO 8100-1 has differing requirements
2.16.7	**Carrying of One-Piece Loads Exceeding the Rated Load**	None				ISO 8100-1 has no requirements
2.16.8	**Additional Requirements for Passenger Overload in the Down Direction**	5.4.2.1.1		5.4.2.1.1		ISO 8100-1 has differing requirements
2.16.9	**Special Loading Means**	None				ISO 8100-1 has no requirements
SECTION 2.17	**CAR AND COUNTERWEIGHT SAFETIES**					
2.17.1	**Where Required and Location**	5.6.2.1.1.1		5.6.2.1.1.1		ISO 8100-1 has differing requirements
2.17.2	**Duplex Safeties**	None				ISO 8100-1 has no requirements
2.17.3	**Function and Stopping Distance of Safeties**	5.6.2.1.3		5.6.2.1.3		ISO 8100-1 has differing requirements
2.17.4	**Counterweight Safeties**	5.6.2.1.1.1 5.6.2.1.4.3 6.3.5		5.6.2.1.1.1 5.6.2.1.4.3 6.3.5		ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.17.5	**Identification and Classification of Types of Safeties**	5.6.2.1.2.1		5.6.2.1.2.1		ISO 8100-1 has differing requirements
2.17.5.1	Type A Safeties	5.6.2.1.2.1 6.3.4 5.6.2.2.2		6.3.4 5.6.2.2.2		ISO 8100-1 has differing requirements
2.17.5.2	Type B Safeties	5.6.2.1.2.1 5.6.2.1.2.2 5.6.2.1.2.3 6.3.4		5.6.2.1.2.3 6.3.4		ISO 8100-1 has differing requirements
2.17.5.3	Type C Safeties (Type A With Oil Buffers)	None				ISO 8100-1 has no requirements
2.17.6	**Reserved for Future Use**					
2.17.7	**Governor-Actuated Safeties and Car Safety Mechanism Switches Required**	5.6.2.2.4.1 5.6.2.2.4.2		5.6.2.2.4.1 5.6.2.2.4.2		ISO 8100-1 has differing requirements
2.17.8	**Limits of Use of Various Types of Safeties**					
2.17.8.1	Type A (Instantaneous) Safeties	5.6.2.2.2		5.6.2.2.2		ISO 8100-1 has differing requirements
2.17.8.2	Type C (Combination Instantaneous and Oil-Buffer Safety)	None				ISO 8100-1 has no requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.17.9	**Application and Release of Safeties**					
2.17.9.1	Means of Application	5.6.2.1.1.1		5.6.2.1.1.1		ISO 8100-1 has differing requirements
2.17.9.2	Level of Car on Safety Application	None				ISO 8100-1 has no requirements
2.17.9.3	Release	5.6.2.1.4.1 5.6.2.1.4.2		5.6.2.1.4.1 5.6.2.1.4.2		ISO 8100-1 has similar requirements
2.17.9.4	Force Providing Stopping Action to Be Compressive	None				ISO 8100-1 has no requirements
2.17.10	**Minimum Permissible Clearance Between Rail-Gripping Faces of Safety Parts**	None				ISO 8100-1 has no requirements
2.17.11	**Maximum Permissible Movement of Governor Rope to Operate the Safety Mechanism**	5.6.2.2.1.1		5.6.2.2.1.1		ISO 8100-1 has differing requirements
2.17.12	**Minimum Factors of Safety and Stresses of Safety Parts and Rope Connections**	5.6.2.2.1.3		5.6.2.2.1.3		ISO 8100-1 has differing requirements
2.17.13	**Corrosion-Resistant Bearings in Safeties and Safety-Operating Mechanisms**	None				ISO 8100-1 has no requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.17.14	**Marking Plates for Safeties**	5.6.2.1.1.3		5.6.2.1.1.3		ISO 8100-1 has differing requirements
2.17.15	**Governor-Rope Releasing Carriers**	None				ISO 8100-1 has no requirements
2.17.16	**Rail Lubricants and Lubrication Plate**	None				ISO 8100-1 has no requirements
SECTION 2.18	**SPEED GOVERNORS**					
2.18.1	**Speed Governors Required and Location**	None				ISO 8100-1 has no requirements
2.18.2	**Tripping Speeds for Speed Governors**					
2.18.2.1	Car Speed Governors	5.6.2.2.1.1 5.6.2.2.1.2		5.6.2.2.1.1 5.6.2.2.1.2		ISO 8100-1 has differing requirements
2.18.2.2	Counterweight Speed Governors	None				ISO 8100-1 has no requirements
2.18.3	**Sealing and Painting of Speed Governors**	5.6.2.2.1.5		5.6.2.2.1.5		ISO 8100-1 has no requirements
2.18.4	**Speed-Governor Overspeed Switch**					
2.18.4.1	Where Required and Function	5.6.2.2.1.6		5.6.2.2.1.6		ISO 8100-1 has differing requirements
2.18.4.2	Setting of Car Speed-Governor Overspeed Switches	5.6.2.2.1.6		5.6.2.2.1.6		ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.18.4.3	Setting of the Counterweight Governor Switch	5.6.2.2.1.6		5.6.2.2.1.6		ISO 8100-1 has differing requirements
2.18.5	**Governor Ropes**					
2.18.5.1	Material and Factor of Safety	5.6.2.2.1.3		5.6.2.2.1.3		ISO 8100-1 has differing requirements
2.18.5.2	Speed-Governor-Rope Clearance	None				ISO 8100-1 has no requirements
2.18.5.3	Governor-Rope Tag	None				ISO 8100-1 has no requirements
2.18.6	**Design of Governor-Rope Retarding Means for Type B Safeties**	5.6.2.2.1.1			5.6.2.2.1.1	ISO 8100-1 has differing requirements
2.18.7	**Design of Speed-Governor Sheaves and Traction Between Speed Governor Rope and Sheave**	5.6.2.2.1.3			5.6.2.2.1.3	ISO 8100-1 has differing requirements
2.18.8	**Factors of Safety in Load-Bearing Parts of Speed Governor**	5.6.2.2.1.1			5.6.2.2.1.1	ISO 8100-1 has differing requirements
2.18.9	**Speed-Governor Marking Plate**	5.6.2.2.1.8			5.6.2.2.1.8	ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.19	**ASCENDING CAR OVERSPEED AND UNINTENDED CAR MOVEMENT PROTECTION**					
2.19.1	**Ascending Car Overspeed Protection**					
2.19.1.1	Purpose	5.6.6.1		5.6.6.1		ISO 8100-1 has differing requirements
2.19.1.2	Where Required and Function	5.6.6.1 5.6.6.2 5.6.6.9 5.6.6.10		5.6.6.1 5.6.6.2 5.6.6.9 5.6.6.10		ISO 8100-1 has differing requirements
2.19.2	**Unintended Car Movement Protection**					
2.19.2.1	Purpose	5.6.7.1 5.6.7.2		5.6.7.1 5.6.7.2		ISO 8100-1 has differing requirements
2.19.2.2	Where Required and Function	5.6.1.2 5.6.7.1 5.6.7.2 5.6.7.3 5.6.7.5 5.6.1.1 5.6.7.6 5.6.7.7 5.6.7.9 5.6.7.11		5.6.1.2 5.6.7.1 5.6.7.2 5.6.7.3 5.6.7.5 5.6.1.1 5.6.7.6 5.6.7.7 5.6.7.9 5.6.7.11		ISO 8100-1 has differing requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.19.3	**Emergency Brake (See Nonmandatory Appendix F)**					
2.19.3.1	Where Required	5.6.1.2 5.6.6.2 5.6.7.12		5.6.1.2 5.6.6.2 5.6.7.12		ISO 8100-1 has differing requirements
2.19.3.2	Requirements	5.6.1.2 5.6.6.4 5.6.6.5 5.6.6.6 5.6.6.7 5.6.6.8 5.6.7.4 5.6.7.12		5.6.1.2 5.6.6.4 5.6.6.5 5.6.6.6 5.6.6.7 5.6.6.8 5.6.7.4 5.6.7.12		ISO 8100-1 has differing requirements
2.19.3.3	Marking Plate Requirements	5.6.6.12 5.6.7.14		5.6.6.12 5.6.7.14		ISO 8100-1 has differing requirements
2.19.4	**Emergency Brake Supports**	None				ISO 8100-1 has no requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.20	**Suspension means and their connections**	5.5			5.5	ISO 8100-1 has differing requirements
2.20.1	**Suspension means**	5.5.1			5.5.1.1	ISO 8100-1 has differing requirements
2.20.3	**Factor of safety**	5.5.2.2 ISO 8100-2: 5.12			5.5.2.2 ISO 8100-2: 5.12 EN 12385-5	ISO 8100-1 has differing requirements See also ISO 8100-2: 5.12 (Evaluation of safety factor on suspension ropes for electric lifts)
2.20.4	**Minimum number and diameter of suspension means**	5.5.1.3 5.5.1.2			5.5.1.3 5.5.1.2	The scope of A17/B44 requirement 2.20.4 is covered by ISO 8100-1 Clause 5.5.1.3 and 5.5.1.2 (a). (See also comments pertaining to Column 1, Requirements 2.20.4.1; 2.20.4.2 and 2.20.4.3)
2.20.4.1	Steel Wire Ropes	5.5.1.1 5.5.1.2 5.1.2.3			5.5.1.1 5.5.1.2 5.1.2.3	ISO 8100-1 has differing requirements. (See also EN 12385-5)
2.20.4.2	Aramid Fiber Ropes	5.5.1.1 5.5.1.2			5.5.1.1 5.5.1.2	ISO 8100-1 has differing requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.20.4.3	Non-Circular Elastomeric Coated Suspension Members	5.5.1.1 5.5.1.2			5.5.1.1 5.5.1.2	ISO 8100-1 has differing requirements
2.20.5	**Suspension member equalizers**	5.5.5			5.5.5	ISO 8100-1 has differing requirements (See also comments pertaining to Column 1, Requirements 2.20.5.1 and 2.20.5.3)
2.20.6	**Securing of steel wire rope suspension to winding drums**	5.5.2.3.2		5.5.2.3.2		ISO 8100-1 has differing requirements
2.20.7	**Rope turns on winding drums**	5.5.4.2 5.5.4.3 5.5.4.4	5.5.4.3	5.5.4.2 5.5.4.4		ISO 8100-1 has differing requirements
2.20.8	**Suspension Means Monitoring and Testing**	None				ISO 8100-1 no requirements
2.20.9	**Suspension Member Fastening**	None				ISO 8100-1 no requirements
2.20.10	**Auxiliary Rope Fastening Devices**	None				ISO 8100-1 no requirements
2.20.11	**Suspension Member Test**	None				ISO 8100-1 no requirements

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SECTION 2.21	**COUNTERWEIGHT**					
2.21.1	**General Requirements**					
2.21.1.1	Frames	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.1.2	Retention of Weight Sections	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.1.3	Guiding Means	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.1.4	Independent Car Counterweights	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.2	**Design Requirements for Frames and Rods**					
2.21.2.1	Material	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.2.2	Frame Connections	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements
2.21.2.3	Factor of Safety	None				ISO 8100-1 has no requirements
2.21.2.4	Sheaves	None				ISO 8100-1 has no requirements
2.21.2.5	Suspension Rope Hitch or Shapes	5.5.2.3.1		5.5.2.3.1		ISO 8100-1 has differing requirements
2.21.2.6	Securing of Weights in Frames	5.4.11.2		5.4.11.2		ISO 8100-1 has differing requirements

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2.21.3	**Cars Counterbalancing One Another**	None				ISO 8100-1 has no requirements
2.21.4	**Compensation Means**	5.5.6.1		5.5.6.1		ISO 8100-1 has differing requirements
2.21.4.1	Connections	5.5.6.2	5.5.6.2			ISO 8100-1 has differing requirements
2.21.4.2	Tie-Down Compensation Means	5.5.6.2 5.5.6.3		5.5.6.2 5.5.6.3		ISO 8100-1 has differing requirements
SECTION 2.22	**BUFFERS AND BUMPERS**					
2.22.1	**Type and Location**					
2.22.1.1	Type of Buffers	5.8.1.5 5.8.1.6 5.8.1.7		5.8.1.5 5.8.1.6 5.8.1.7		ISO 8100-1 has differing requirements
2.22.1.2	Location	5.8.1.1 5.8.1.5 5.8.1.6		5.8.1.1 5.8.1.5 5.8.1.6		ISO 8100-1 has differing requirements
2.22.2	**Solid Bumpers**	None				ISO 8100-1 has no requirements
2.22.3	**Spring Buffers**					
2.22.3.1	Stroke	5.8.2.1.1.1 5.8.2.1.1.2		5.8.2.1.1.1 5.8.2.1.1.2		ISO 8100-1 has differing requirements
2.22.3.2	Load Rating	None				ISO 8100-1 has no requirements
2.22.3.3	Marking Plates	5.8.1.8		5.8.1.8		ISO 8100-1 has differing requirements

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2.22.4	**Oil Buffers**					
2.22.4.1	Stroke	5.8.2.2.1 5.8.2.2.2 5.8.2.2.3 (a)		5.8.2.2.1 5.8.2.2.2 5.8.2.2.3(a)		ISO 8100-1 has differing requirements
2.22.4.2	Retardation	5.8.2.2.3 (b)		5.8.2.2.3(b)		ISO 8100-1 has differing requirements
2.22.4.3	Factor of Safety for Oil-Buffer Parts	None				ISO 8100-1 has no requirements
2.22.4.4	Slenderness Ratio for Members Under Compression as Columns	None				ISO 8100-1 has no requirements
2.22.4.5	Plunger Requirements	5.8.2.2.4		5.8.2.2.4		ISO 8100-1 has no requirements
2.22.4.6	Means for Determining Oil Level	5.8.2.2.5		5.8.2.2.5		ISO 8100-1 has differing requirements
2.22.4.7	Type Tests and Certification for Oil Buffers	ISO 8100-2: 5.5		ISO 8100-2: 5.5		ISO 8100-1 has no requirements See also ISO 8100-2; Requirement 5.5 (Type examination of buffers)
2.22.4.8	Compression of Buffers When Car Is Level With Terminal Landings	None				ISO 8100-1 has no requirements
2.22.4.9	Buffer Oil Requirements	None				ISO 8100-1 has no requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.22.4.10	Load Ratings of Oil Buffers	None				8100-1 has no requirements
2.22.4.11	Buffer Marking Plate	5.8.1.8		5.8.1.8		8100-1 has differing requirements
2.22.5	**Elastomeric Buffers**					
2.22.5.1	Retardation	5.8.2.1.2.1		5.8.2.1.2.1		ISO 8100-1 has differing requirements
2.22.5.2	Return Speed	5.8.2.1.2.1		5.8.2.1.2.1		ISO 8100-1 has similar requirement
2.22.5.3	Deformation	5.8.2.1.2.1 5.8.2.2.3 (d)		5.8.2.1.2.1 5.8.2.2.3 (d)		ISO 8100-1 has similar requirement
2.22.5.4	Full Compression	5.8.2.1.2.2	5.8.2.1.2.2			ISO 8100-1 has similar requirement
2.22.5.5	Type Tests and Certification for Elastomeric Buffers	5.8.1.7 ISO 8100-2: 5.5		5.5 ISO 8100-2: 5.5		ISO 8100-1 has differing requirements See also ISO 8100-2; Requirement 5.5 (Type examination of buffers)
2.22.5.6	Buffer Marking Plate	5.8.1.8		5.8.1.8		ISO 8100-1 has similar requirement

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SECTION 2.23	**Car and Counterweight Guide Rails, Guide-Rail Supports and Fastenings**					
2.23.1	**Guide rails required**	5.7.1.1		5.7.1.1		ISO 8100-1 has differing requirements
2.23.2	**Material**	5.7.1.2 5.7.1.3			5.7.1.2 5.7.1.3	ISO 8100-1 has differing requirements
2.23.2.2	Requirements for metals other than steel	5.7.1.1 5.7.1.2 5.7.1.3 5.7.1.5			5.7.1.1 5.7.1.2 5.7.1.3 5.7.1.5	ISO 8100-1 has differing requirements
2.23.3	**Rail section**	5.1			5.1	ISO 8100-1 has differing requirements
2.23.4	**Maximum load on rails in relation to bracket spacing**	5.7.2 5.7.3 5.7.4			5.7.2 5.7.3 5.7.4	ISO 8100-1 has differing requirements.
2.23.5	**Stresses and deflection**	5.7.4.5 5.7.4.6 5.7.4.7 5.1 IS0 8100-2: 5.10			5.7.4.5 5.7.4.6 5.7.4.7 5.1 IS0 8100-2: 5.10	ISO 8100-1 has differing requirements See also ISO 8100-2; Requirement 5.10 (Guide rail calculation)
2.23.6	**Guide-rail surfaces**	5.7.1.2	5.7.1.2			ISO 8100-1 has differing requirements.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.24	**Driving Machines and Sheaves**					
2.24.1	**Type of driving machine**	5.9.1.1 5.9.2.1.1	5.9.2.1.1 (a)	5.9.1.1		ISO 8100-1 has differing requirements
2.24.2	**Sheaves and drums**	5.5.2			5.5.2	ISO 8100-1 has differing requirements
2.24.2.1	Material and Grooving	5.5.3 ISO 8100-2: 5.11.2.3.1			5.5.3 ISO 8100-2: 5.11.2.3.1	ISO 8100-1 references ISO 8100-2, which has differing requirements. See ISO 8100-2: 5.11 (Evaluation of traction)
2.24.2.2	Minimum Pitch Diameter	5.5.2.1	5.5.2.1			
2.24.2.2(a)	Minimum pitch diameter, Steel Wire Ropes	5.5.2.1	5.5.2.1			
2.24.2.2(b),(c),(d)	Minimum pitch diameter, Aramid Fiber Ropes and Non-Circular Elastomeric Suspension Members	5.5.1.1			5.5.1.1	ISO 8100-1 has differing requirements
2.24.2.3	Traction					

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.24.2.3.1	Traction for Steel Wire Rope	5.5.3 ISO 8100-2: 5.11	5.5.3 (a)	5.5.3 ISO 8100-2: 5.11		ISO 8100-1 has differing requirements See also A17.1/B44 2.16.8(c) See also ISO 8100-2: 5.11 (Evaluation of traction)
2.24.2.3.2	Traction for Aramid Fiber Rope	5.5.1.1			5.5.1.1	ISO 8100-1 has differing requirements
2.24.2.3.3	Traction for Non-Circular Elastomeric Coated Steel Suspension Members	5.5.1.1			5.5.1.1	ISO 8100-1 has differing requirements
2.24.2.3.4	Slipping of traction	5.5.3 (c) ISO 8100-2: 5.11	5.5.3 (c) (1)	ISO 8100-2: 5.11	5.5.3 (c) (2)	ISO 8100-1 and ISO 8100-2 have differing requirements See also ISO 8100-2: 5.11 (Evaluation of traction)
2.24.2.5	Retaining and Guarding of Suspension Members					
2.24.2.5.1	Retention of suspension members	5.5.7.1 5.5.7.2			5.5.7.1 5.5.7.2	ISO 8100-1 has differing requirements.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.24.2.5.2	Guarding Means	5.5.7.1 5.4.11.3 5.5.7.2		5.4.11.3 5.5.7.2	5.5.7.1	ISO 8100-1 has differing requirements A17.1/B44 does not require protection around counterweight pulleys
2.24.3	**Factor of Safety for Driving Machines, Sheaves and Drums**	5.9.2 0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.
2.24.4	**Fasteners and Connections Transmitting Load**	0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.
2.24.5	**Shaft Fillets and Keys**	0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.
2.24.6	**Cast-Iron Worms and Worm Gears**	0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.
2.24.7	**Friction Gearing and Clutches**	0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.24.8	**Braking System and Driving Machine Brakes**	5.9.2.2			5.9.2.2	ISO 8100-1 has differing requirements
2.24.8.3	Driving machine brake	5.9.2.2.1.2		5.9.2.2.1.2		ISO 8100-1 has differing requirements
2.24.8.4	Means for manual release	5.2.1.6 5.6.1.2 5.9.2.3.1 5.9.2.2.9	5.2.1.6 5.6.1.2 5.9.2.2.9		5.9.2.3.1	ISO 8100-1 has differing requirements
2.24.8.5	Marking Plates for Brakes	5.9.2.2.2.8		5.9.2.2.2.8		ISO 8100-1 has differing requirements
2.24.8.6	Driving-Machine Brake Design	0.4.3 a)	0.4.3 a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.
2.24.9	**Indirect Driving Machines**	5.9.2.1.2			5.9.2.1.2	ISO 8100-1 has differing requirements
2.24.9.1	Belt and Chain Drives	5.9.2.1.2			5.9.2.1.2	ISO 8100-1 has differing requirements
2.24.9.2	General requirements for machines	5.9.1.2		5.9.1.2		ISO 8100-1 has differing requirements
2.24.9.3	Monitoring and Brake Location	5.9.2.1.2			5.9.2.1.2 0.4.3 a)	ISO 8100-1 has differing requirements
2.24.10	**Means for Inspection of Gears**	0.4.3 (a)	0.4.3 (a)			ISO 8100-1 Clause 0.4 assumes design is in accordance with usual engineering practice.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.25	**Terminal Stopping Devices**					
2.25.1	**General Requirements**	5.12.1.3 5.12.2.2 5.12.2.3 5.11.2.5	5.12.1.3 5.12.2.2 5.12.2.3 5.11.2.5			ISO 8100-1 has differing requirements
2.25.2	**Normal Terminal Stopping Devices**	None				ISO 8100-1 does not address NTSD
2.25.3	**Final Terminal Stopping Devices**	5.12.2	5.12.2			ISO 8100-1 has differing requirements
2.25.4	**Emergency Terminal Stopping Means**					
2.25.4.1	Emergency Terminal Speed-Limiting device	5.12.1.3	5.12.1.3			ISO 8100-1 has differing requirements
2.25.4.2	Emergency Terminal Stopping Device.	5.12.1.3	5.12.1.3			ISO 8100-1 has differing requirements
SECTION 2.26	**OPERATING DEVICES AND CONTROL EQUIPMENT**					
2.26.1	**Operation and Operating Devices**					
2.26.1.1	Types of Operating devices	None				ISO 8100-1 has no requirements
2.26.1.2	Car switch operation	None				ISO 8100-1 has no requirements
2.26.1.3	one piece loads > rated load	None				ISO 8100-1 has no requirements

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.26.1.4	Inspection Operation	5.12.1.5.1 5.12.1.5.2 5.12.5.2.3 5.12.1.5.2.4	5.12.1.5.1 5.12.1.5.2	5.12.1.5.2.3 5.12.1.5.2.4		ISO 8100-1 has differing requirements
2.26.1.5	Inspection operation with open door circuits	5.12.1.8	5.12.1.8			ISO 8100-1 has differing requirements
2.26.1.6 2.26.1.7	Releveling and truck zone operation	5.12.1.4	5.12.1.4			ISO 8100-1 does not address truck zones
2.26.2	**Electrical Protective Devices**	Annex A	Annex A			ISO 8100-1 covers the requirements with some additions
2.26.2.1	Slack Rope Switch	5.5.5.3	5.5.5.3			
2.26.2.2	Motor Generator running	None				ISO 8100-1 has no requirements
2.26.2.3	Compensating-Rope Sheave Switch	None				ISO 8100-1 has no requirements
2.26.2.4	Motor field sensing	None				ISO 8100-1 has no requirements
2.26.2.5	Emergency Stop Switch	5.12.1.11	5.12.1.11			
2.26.2.6	Broken Rope, Tape or Chain Switches	None				ISO 8100-1 has no requirements
2.26.2.7	Stop Switch in Pit	5.12.1.11	5.12.1.11			
2.26.2.8	Stop Switch on Top of Car	5.12.1.11	5.12.1.11			
2.26.2.9	Car Safety Mechanism Switch	5.6.2.1.5	5.6.2.1.5			
2.26.2.10	Speed-Governor Overspeed Switch	5.6.2.2.1.6	5.6.2.2.1.6			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.26.2.11	Final Terminal Stopping Devices	5.12.2.3.1 (b)	5.12.2.3.1 (b)			
2.26.2.12	Emergency Terminal Speed-Limiting Devices	5.12.1.3	5.12.1.3			
2.26.2.13	Buffer Switches for Oil Buffers Used with Type C Safeties	5.8.2.2.4	5.8.2.2.4			
2.26.2.14	Hoistway Door Interlocks and Hoistway Door Electric Contacts	5.3.9.1 5.3.9.4.1	5.3.9.1 5.3.9.4.1			
2.26.2.15	Car Door and Gate Contacts	5.2.5.3.1c) 5.3.13.2	5.2.5.3.1c) 5.3.13.2			
2.26.2.16	Emergency Terminal Stopping Devices	None				ISO 8100-1 has no requirements
2.26.2.17	Reserved for Future Use					
2.26.2.18	Car Top Emergency Exit Electrical Device	5.4.6.3.2	5.4.6.3.2			
2.26.2.19	Motor-Generator Overspeed Protection	None				ISO 8100-1 has no requirements
2.26.2.20	Electric Contacts for Hinged Car Platform Sills	None				ISO 8100-1 has no requirements
2.26.2.21	In-Car Stop Switch	5.12.1.11			5.12.1.11	ISO 8100-1 has differing requirements
2.26.2.22	Buffer Switches for Gas Spring-Return Oil Buffers	5.8.2.2.4	5.8.2.2.4			
2.26.2.23	Stop Switch in Remote Machine and Control Rooms	5.12.1.11	5.12.1.11			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.26.2.24	Stop Switch for Machinery Spaces or Control Spaces	5.12.1.11	5.12.1.11			
2.26.2.25	Blind Hoistway Emergency Door Electric Contact	5.2.3.3	5.2.3.3			
2.26.2.26	Pit Access Door Electric Contact	5.2.6.4.4.1 d)	5.2.6.4.4.1 d)			
2.26.2.27	Stop Switch in Remote Counterweight Hoistways	5.12.1.11	5.12.1.11			
2.26.2.28	Car Door Interlock	5.2.5.3.1c)	5.2.5.3.1c)			
2.26.2.29	Ascending Car Overspeed Protection Device	5.6.6.5	5.6.6.5			
2.26.2.30	Unintended Car Movement Device	5.6.1.2 5.6.7.8	5.6.7.8	5.6.1.2		ISO 8100-1 has differing requirements
2.26.2.31	Car Access Panel Locking Device	5.4.6.3	5.4.6.3			
2.26.2.32	Hoistway Access Opening Locking Device	5.2.3.3	5.2.3.3			
2.26.2.33	Firefighters' Stop Switch	None				ISO 8100-1 has no requirements (See EN 81-77)
2.26.2.34	Unexpected Car Movement Device	5.2.6.4.3.1 b)	5.2.6.4.3.1 b)			
2.26.2.35	Equipment Access Panel Electrical Device	5.2.6.4.3.3 e)	5.2.6.4.3.3 e)			
2.26.2.36	Working Platform Electrical Device	5.2.6.4.5.4 a)	5.2.6.4.5.4 a)			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.26.2.37	Retractable Stop Electrical Device	5.12.1.11	5.12.1.11			
2.26.2.38	Retractable Ladder Electrical Device	5.2.2.4	5.2.2.4			
2.26.2.39	Sway control	None				ISO 8100-1 has no requirements
2.26.3	**Contactors and relays in critical circuits**	5.10.3.1	5.10.3.1			
2.26.4	**Electrical Equipment and Wiring**					
2.26.4.1 2.26.4.2	Electrical equipment safety and wiring requirements	5.10.1 5.10.2 5.10.3 5.10.4 5.10.5 5.10.6 5.10.10	5.10.1 5.10.6		5.10.2 5.10.3 5.10.4 5.10.5 5.10.10	ISO 8100-1 has differing requirements
2.26.4.3	Safety contacts and SIL contacts	5.11.2.1 5.11.2.2 5.11.2.3	5.11.2.1 5.11.2.2 5.11.2.3			
2.26.4.4	Noise susceptibility of safety circuits	5.11.2.1.3	5.11.2.1.3			
2.26.5	**Door lock monitoring**	None				ISO 8100-1 does not address door lock monitoring
2.26.6	**Phase reversal on poly phase motors**	5.11.1.2 (j)	5.11.1.2 (j)			

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.26.7	**Making EPDs ineffective**	5.11.1.2 (e) 5.11.2.1.2	5.11.1.2 (e) 5.11.2.1.2			
2.26.8	**Brake release**	5.9.2.2.2.3 5.9.2.5.4, 5.11.2.4	5.9.2.2.2.3 5.9.2.5.4, 5.11.2.4			
2.26.9	**Control and Operating Circuits**					
2.26.9.1 2.26.9.2	Springs and completion of a circuit to remove power	5.11.2.2.1 5.11.2.2.2	5.11.2.2.1 5.11.2.2.2			
2.26.9.3 2.26.9.4	Failure protection	5.11.2.3			5.11.2.3	ISO 8100-1 has differing requirements
2.26.9.5 2.26.9.6 2.26.9.7 2.26.9.8 2.26.9.9	Power removal from the machine and brake relays	5.9.2.2.2.3 5.9.2.5 5.9.3.4 5.10.3.1.3 5.11.2.4	5.11.2.4		5.9.2.2.2.3 5.9.2.5 5.9.3.4 5.10.3.1.3	ISO 8100-1 has differing requirements
2.26.10	**Absorption of Regenerated Power**	None				ISO 8100-1 has no requirements
2.26.11	**Stopping Accuracy**	5.12.1.4	5.12.1.4			
2.26.12	**Symbols**	EN 81-70			EN 81-70	See EN 81-70

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.27	**Emergency Operation and Signaling Devices**					
2.27.1	**Car Emergency Signaling Devices**					
2.27.1.1	Emergency Communication	5.12.3			5.12.3	ISO 8100-1 has differing requirements
2.27.1.1.1 2.27.1.1.2 2.27.1.1.3	Emergency Communications for all elevators	5.12.3.1 EN81-28			5.12.3.1	A Remote alarm system in accordance with EN 81-28 is required. The Alarm button is specified in EN 81-70.
2.27.1.1.4	Emergency Communications for elevators with rise over 18 m (60')	5.12.3.2			5.12.3.2	ISO 8100-1 has differing requirements
2.27.1.1.5	Standby or emergency power for two-way communications.	5.12.3.2			5.12.3.2	ISO 8100-1 has differing requirements
2.27.1.1.6	Verify operability of the telephone line	5.12.3.1			5.12.3.1	ISO 8100-1 has differing requirements
2.27.1.2	Emergency stop switch audible signal	None				ISO 8100-1 has differing requirements. The Alarm button is specified in EN 81-70
2.27.2	**Emergency or Standby Power System**	5.9.2.2.2.7			5.9.2.2.2.7	ISO 8100-1 has differing requirements
2.27.2.1		5.9.2.3			5.9.2.3	ISO 8100-1 has differing requirements

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A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.27.2.2		5.12.1.6.1			5.12.1.6.1	ISO 8100-1 has differing requirements
2.27.2.3		5.9.2.3.4			5.9.2.3.4	ISO 8100-1 has differing requirements
2.27.2.4	Recall and selection	None				Not addressed in ISO 8100-1
2.27.2.5	Energy Absorption	None				Not addressed in ISO 8100-1
2.27.3	**Firefighters' Emergency Operation: Automatic Elevators**	None				Firefighters' Lifts are covered in EN 81-72 (5.8.7). Behavior of Lifts other than Firefighters' Lifts is covered in EN 81-73 (5.3). Number and size of Firefighters Lifts are covered by National/Local Regulations.
2.27.4	**Firefighters' Emergency Operation: Nonautomatic Elevators**	None				EN 81-72 and EN 81-73 do not address non-automatic operation. Initiation can be manual or automatic
2.27.5	**Firefighters' Emergency Operation: Automatic Elevators With Designated Attendant Operation**	None				EN 81-72 and EN 81-73 do not address designated attendant operation.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
2.27.6	**Firefighters' Emergency Operation, Occupant Evacuation Operation: Inspection Operation**	None				Not addressed in ISO 8100-1. Firefighters' Lift Operation does not override Inspection Operation.
2.27.7	**Firefighters' Emergency Operation: Operating Procedures**	None				ISO 8100-1 references EN 81-72 (5.8.7 and Annex A) which contains extensive documentation on firefighting concepts and instructions.
2.27.8	**Switch Keys**	None				See EN 81-72 - 5.8.2
2.27.9	**Elevator Corridor Call Station Pictograph**	None				Not addressed in ISO 8100-1. EN 81-72 (Annex G) and EN 81-73 contain requirements for pictograms for FF Lifts.
2.27.10	**Reserved for Future Use**					
2.27.11	**Occupant Evacuation Operation**	None				Evacuation Operation is not addressed in ISO 8100-1.

Table 1
A17.1/B44 Section 2 Requirements with Corollary Requirements in ISO 8100-1

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-1 Related Clauses	**Column 4** ISO 8100-1 Clauses Met by Column 1	**Column 5** ISO 8100-1 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-1 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-1 is in conflict or there is a difference)
SECTION 2.28	**Layout Drawings**					
2.28.1	**Information Required on Layout Drawings**	6.1 6.2		6.1 6.2		ISO 8100-1 has differing requirements
SECTION 2.29	**Identification**					
2.29.1	**Identification of Equipment**	5.1.2 5.2.1.1.2 5.2.6.2 5.6.1.2	5.1.2 5.2.1.1.2 5.2.6.2	5.6.1.2		ISO 8100-1 has differing requirements
2.29.2	**Identification of Floors**	None				ISO 8100-1 has no requirements
SECTION 2.30	**Sway Control Guides**	None				ISO 8100-1 has no requirements

Table 2: A17.1/B44 Section 8 Requirements with Corollary Requirements in ISO 8100-2

Table 2
A17.1/B44 Section 8 Requirements with Corollary Requirements in ISO 8100-2

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-2 Related Clauses	**Column 4** ISO 8100-2 Clauses Met by Column 1	**Column 5** ISO 8100-2 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-2 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-2 is in conflict or there is a difference)
Section 8.1	**Security**	ISO 8100-1: 5.2.1.2 ISO 8100-1:5.2.2.1 ISO 8100-1:5.2.3.3 ISO 8100-1:5.2.4.1 ISO 8100-1:Annex D			ISO 8100-1: 5.2.1.2 ISO 8100-1:5.2.2.1 ISO 8100-1:5.2.3.3 ISO 8100-1:5.2.4.1 ISO 8100-1:Annex D	ISO 8100-1 has differing requirements ISO 8100-2 has no requirement
Section 8.2	**Design Data and Formulas**					
8.2.1	**Minimum Rated Load for Passenger Elevators**	ISO 8100-1: 5.4.2.1.3	ISO 8100-1: 5.4.2.1.3			ISO 8100-1 has differing requirements ISO 8100-2 has no requirement
8.2.2	**Electric Elevator Car Frame Platform Stresses and Deflections**					
8.2.2.1	General Requirements	None				ISO 8100-2 has no requirements
8.2.2.2	Car Frame Crosshead.	None				ISO 8100-2 has no requirements
8.2.2.3	Car Frame Plank (Normal)	None				ISO 8100-2 has no requirements

Table 2
A17.1/B44 Section 8 Requirements with Corollary Requirements in ISO 8100-2

Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-2 Related Clauses	**Column 4** ISO 8100-2 Clauses Met by Column 1	**Column 5** ISO 8100-2 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-2 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-2 is in conflict or there is a difference)
8.2.2.4	Car Frame Plank (Buffer Engagement)	None				ISO 8100-2 has no requirements
8.2.2.5	Car Frame Uprights (Stiles)	None				ISO 8100-2 has no requirements
8.2.2.6	Freight Elevator Platform	None				ISO 8100-2 has no requirements
8.2.2.7	Hoisting Rope Hitch Plates and Shapes	None				ISO 8100-2 has no requirements
8.2.3	**Impact on Buffer Supports**					
8.2.3.1	Buffer Reaction and Impact for Oil Buffer and Elastomeric Buffer Supports	None				ISO 8100-2 has no requirements
8.2.3.2	Buffer Reaction and Impact for Spring Buffer Supports	None				ISO 8100-2 has no requirements
8.2.4	**Gravity Stopping Distances**	5.3.2.3.1		5.3.2.3.1		ISO 8100-2 has differing requirements
8.2.5	**Governor Tripping Speeds**	5.4.1 5.4.2 5.4.3		5.4.1 5.4.2 5.4.3		ISO 8100-2 has differing requirements
8.2.6	**Stopping Distances for Car and Counterweight Safeties**	5.3.1 5.3.2 5.3.3 5.3.4 5.3.5		5.3.1 5.3.2 5.3.3 5.3.4 5.3.5		ISO 8100-2 has differing requirements. See A17.1/B44 2.17.3
8.2.7 (2.20.3)	**Factors of Safety for Suspension Wire Ropes for Power Elevators**	5.12 ISO 8100-1: 5.5.2.2			5.12 ISO 8100-1: 5.5.2.2	ISO 8100-1 and ISO 8100-2 have differing requirements

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Section 8.3	**Engineering Tests, Type Tests and Certification**					
8.3.1	**General Requirements for Tests and Certifications**					
8.3.1.1	General	5.1.2.1		5.1.2.1 5.1.2.5		ISO 8100-2 has differing requirements
8.3.1.2	Application for Certification	5.1.2.2 Annex A	5.1.2.2	5.1.2.2 5.1.2.4	Annex A	ISO 8100-2 has differing requirements
8.3.1.3	Certification and Test Records	Annex A			Annex A	ISO 8100-2 has differing requirements
8.3.1.4	Changes to Listed/Certified Components or Equipment	None				ISO 8100-2 does not address
8.3.1.5	Testing Instruments	5.1.2.6		5.1.2.6		ISO 8100-2 has differing requirements
8.3.2	**Type Tests of Car and Counterweight Oil Buffers**	ISO 8100-1: 6.3.7		ISO 8100-1: 6.3.7		ISO 8100-2 has differing requirements
8.3.2.1	Application for Certification	5.5.1		5.5.1		ISO 8100-2 has differing requirements
8.3.2.2	Test Sample	5.5.2	5.5.2			ISO 8100-2 has differing requirements
8.3.2.3	Testing Equipment	none				ISO 8100-2 has no requirements
8.3.2.3.1	Calibration of Test Weight	5.5.3.1.2.1	5.5.3.1.2.1			ISO 8100-2 has differing requirements
8.3.2.3.2	Guiding of Test Weight	5.5.3.1.2.1		5.5.3.1.2.1		ISO 8100-2 has differing requirements

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Column 1 A17.1/B44 Requirement	**Column 2** Subject	**Column 3** ISO 8100-2 Related Clauses	**Column 4** ISO 8100-2 Clauses Met by Column 1	**Column 5** ISO 8100-2 Clauses to be used in addition to Column 1	**Column 6** ISO 8100-2 Clauses to be used in place of Column 1	**Column 7** Comments (note where ISO 8100-2 is in conflict or there is a difference)
8.3.2.3.3	Test Instruments	5.5.3.1.2.2 5.5.3.1.2.3 5.5.3.1.2.4 5.5.3.1.2.5 5.5.3.1.3		5.5.3.1.2.2 5.5.3.1.2.3 5.5.3.1.2.4 5.5.3.1.2.5 5.5.3.1.3		ISO 8100-2 has differing requirements
8.3.2.4	Installation of Buffer and Preparations for Tests					
8.3.2.4.1	Foundation and Location of Buffer	5.5.3.1.4	5.5.3.1.4			ISO 8100-2 has differing requirements
8.3.2.4.2	Securing of Buffer	5.5.3.1.4	5.5.3.1.4			ISO 8100-2 has differing requirements
8.3.2.4.3	Special Adjustments	None				ISO 8100-2 has no requirements
8.3.2.4.4	Filling Buffer With Oil	5.5.3.1.5	5.5.3.1.5			ISO 8100-2 has differing requirements
8.3.2.5	Buffer Tests	5.5.3.1.6			5.5.3.1.6	ISO 8100-2 has differing requirements
8.3.2.6	Certification	5.5.3.1.7 5.5.4	5.5.3.1.7	5.5.4		ISO 8100-2 has differing requirements
8.3.3	**Type Tests of Interlocks, Combination Mechanical Locks and Contacts, and Door or Gate Contacts**					
8.3.3.1	General	5.2.1.1	5.2.1.1			
8.3.3.2	Examination Before Test	5.2.1.2 5.2.1.3		5.2.1.2 5.2.1.3		ISO 8100-2 has differing requirements

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8.3.3.3	General Requirements	5.2.4		5.2.4		ISO 8100-2 has differing requirements
8.3.3.3.1	Connections for and Test of Electrical Parts	None				ISO 8100-2 has no requirements
8.3.3.3.2	Retesting of Electric Contacts Previously Tested	None				ISO 8100-2 has no requirements
8.3.3.3.3	Tests of Retiring Cams or Equivalent Devices	None				ISO 8100-2 has no requirements
8.3.3.3.4	Tests of Hoistway Door (Runway Door) Combination Mechanical Locks and Electric Contacts.	None				ISO 8100-2 has no requirements
8.3.3.4	Required Test and Procedure	5.2.2.2.1 5.2.3.1 5.2.3.2		5.2.2.2.1 5.2.3.1 5.2.3.2		ISO 8100-2 has differing requirements
8.3.3.4.1	Endurance Test	5.2.2.2.2 5.2.2.2.4 5.2.2.3 5.2.2.4.1	5.2.2.2.2 5.2.2.3 5.2.2.4.1	5.2.2.2.4		ISO 8100-2 has differing requirements
8.3.3.4.2	Current Interruption Test	5.2.2.4.2	5.2.2.4.2			
8.3.3.4.3	Test Without Lubricant	None				ISO 8100-2 has no requirements
8.3.3.4.4	Test in Moist Atmosphere	None				ISO 8100-2 has no requirements
8.3.3.4.5	Misalignment Test	None				ISO 8100-2 has no requirements

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8.3.3.4.6	Insulation Test	5.2.2.4.3		5.2.2.4.3		ISO 8100-2 has differing requirements
8.3.3.4.7	Force and Movement Test	None				ISO 8100-2 has no requirements
8.3.3.4.8	Static Test	5.2.2.2.3	5.2.2.2.3			
8.3.3.4.9	Examination of electrical Spacings	5.2.2.4.3 5.2.2.4.4 5.2.2.4.5		5.2.2.4.3 5.2.2.4.4 5.2.2.4.5		ISO 8100-2 has differing requirements
8.3.3.4.10	Examination of Operation	5.2.2.1	5.2.2.1			
8.3.3.4.11	Testing of Bridging Means	5.2.2.1	5.2.2.1			
8.3.4	**Entrance Fire Type Tests**					
8.3.4.1	Test of Entrance Assemblies, Horizontally Sliding and Swinging Types and Vertically Sliding Types	ISO 8100-1: 5.3.5.2 ISO 3800-2			ISO 8100-1: 5.3.5.2 ISO 3800-2	ISO 8100-1, ISO 3800-2 have differing requirements. ISO 8100-2 has no requirements
8.3.7	**Vertical Burn Engineering Test**					
8.3.7.1	Conditioning	None				ISO 8100-1 has no requirements
8.3.7.2	Specimen Configuration	None				ISO 8100-1 has no requirements
8.3.7.3	Apparatus	None				ISO 8100-1 has no requirements
8.3.7.4	Test	None				ISO 8100-1 has no requirements
8.3.7.5	Burn Length	None				ISO 8100-1 has no requirements

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8.3.7.6	Acceptance Criteria	None				ISO 8100-1 has no requirements
8.3.8	**Test Method for Evaluating Room Fire Growth Contribution of Textile Wall Covering**	None				ISO 8100-1 has no requirements
8.3.12 (2.20.11)	**Suspension Member Tests**	None				ISO 8100-1 and ISO 8100-2 have no requirements.
8.3.13	**Elastomeric Buffers**	ISO 8100-1: 6.3.7		ISO 8100-1: 6.3.7		ISO 8100-1/2 has differing requirements
8.3.13.1	Application for Certification	5.5.1		5.5.1		ISO 8100-2 has differing requirements
8.3.13.2	Test Sample	5.5.2	5.5.2			ISO 8100-2 has differing requirements
8.3.13.3	Testing Equipment	none				ISO 8100-2 has no requirements
8.3.13.3.1	Calibration of Test Weight	5.5.3.1.2.1 5.5.3.2.2	5.5.3.1.2.1		5.5.3.2.2	ISO 8100-2 has differing requirements
8.3.13.3.2	Guiding of Test Weight	5.5.3.2.1 5.5.3.2.2		5.5.3.2.1	5.5.3.2.2	ISO 8100-2 has differing requirements
8.3.13.3.3	Test Instruments	5.5.3.1.2.2 5.5.3.1.2.3 5.5.3.1.2.4 5.5.3.1.2.5 5.5.3.1.3 5.5.3.2.2		5.5.3.1.2.2 5.5.3.1.2.3 5.5.3.1.2.4 5.5.3.1.2.5 5.5.3.1.3	5.5.3.2.2	ISO 8100-2 has differing requirements

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8.3.13.4	Installation of Buffer and Preparations for Tests					
8.3.13.4.1	Foundation and Location of Buffer	5.5.3.1.4 5.5.3.2.4	5.5.3.1.4		5.5.3.2.4	ISO 8100-2 has differing requirements
8.3.13.4.2	Securing of Buffer	5.5.3.1.4 5.5.3.2.4	5.5.3.1.4		5.5.3.2.4	ISO 8100-2 has differing requirements
8.3.13.5	Test Procedure					
8.3.13.5.1 8.3.13.5.2 8.3.13.5.3		5.5.3.2.1 5.5.3.2.3	5.5.3.2.1 5.5.3.2.3			ISO 8100-2 has differing requirements
8.3.13.5.4	Number of Tests	5.5.3.2.5		5.5.3.2.5		ISO 8100-2 has differing requirements
8.3.13.6	Test Results					
8.3.13.6.1	Retardation	5.5.3.2.6.1	5.5.3.2.6.1			ISO 8100-2 has differing requirements
8.3.13.6.2	Condition of the Buffer After Tests	5.5.3.2.6.2	5.5.3.2.6.2			ISO 8100-2 has differing requirements
8.3.13.7	Certification					
8.3.13.7.1 8.3.13.7.2		5.5.4		5.5.4		ISO 8100-2 has differing requirements
8.3.13.7.3	Procedure When Buffers Fail the Tests	5.5.3.2.7	5.5.3.2.7			ISO 8100-2 has differing requirements

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Section 8.6	**Maintenance, Repair, Replacement and Testing**					
8.6.1	**General Requirements**					
8.6.1.1	Maintenance, Repair and Replacement	ISO 8100-1: 7.2.3 ISO 8100-1: 7.2.4 ISO 8100-1: Annex C	ISO 8100-1: 7.2.3 ISO 8100-1: 7.2.4 ISO 8100-1: Annex C			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.1.2	General Maintenance Requirements	ISO 8100-1: 7.1 ISO 8100-1: 7.2.3 ISO 8100-1: 7.2.4 ISO 8100-1: 7.3	ISO 8100-1: 7.2.3 ISO 8100-1: 7.2.4 ISO 8100-1: 7.3		ISO 8100-1: 7.1	ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.1.3	Maintenance Personnel	ISO 8100-1: 7.2.2	ISO 8100-1: 7.2.2			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.1.4	Maintenance Records	ISO 8100-1: 7.3			ISO 8100-1: 7.3	ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.1.5	Code Data Plate	None				ISO 8100-1 and ISO 8100-2 have no requirements

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8.6.1.6	General Maintenance Methods and Procedures	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.1.7	Periodic Tests	ISO 8100-1 7.2.4 ISO 8100-1: 7.3.1	ISO 8100-1 7.2.4 ISO 8100-1: 7.3.1			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.2	**Repairs**	ISO 8100-1 7.3.1	ISO 8100-1 7.3.1			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.3	**Replacements**	ISO 8100-1 Annex C:C2	ISO 8100-1 Annex C:C2			ISO 8100-1 and ISO 8100-2 have no requirements addressing replacements beyond the requirements of ISO 8100-1 and 8100-2. See ISO 8100-1 Annex C: C.2 (Examinations and testes after an important modification or after an accident)
8.6.4	**Maintenance and Testing of Electric Elevators**					See also EN 13015
8.6.4.1	Suspension and Compensating Means	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements

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8.6.4.2	Governor Wire Ropes	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.3	Lubrication of Guide Rails	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.4	Buffers	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.5	Safety Mechanisms	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.6	Brakes	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.7	Cleaning of Hoistways and Pits	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4	ISO 8100-1 7.2.3 ISO 8100-1 7.2.4			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.8	Machinery Spaces, Machine Rooms, Control Spaces, and Control Rooms	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements
8.6.4.9	Cleaning of Tops of Cars	ISO 8100-1 7.2.3	ISO 8100-1 7.2.3			ISO 8100-1 has differing requirements. ISO 8100-2 has no requirements