



Standard Classification for Serviceability of an Office Facility for Structure and Building Envelope^{1,2}

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1. Scope

1.1 This classification covers matched sets of scales (see Figs. 1-24) for classifying an aspect of the serviceability of an office facility, that is, the capability of an office facility to meet certain possible requirements for structure and building envelope.

1.2 Within that aspect of serviceability, each matched set of scales (see Figs. 1-24) is for classifying one topic of serviceability. Each topic is typically broken down into two more demand functions and supply features. Each paragraph in an Occupant Requirement Scale summarizes one level of serviceability on that function, which occupants might require. The matching entry in the Facility Rating Scale is a translation of the requirement into a description of certain features of a facility which, taken in combination, indicate that the facility is likely to meet that level of required serviceability.

1.3 The entries in the Facility Rating Scale (see Figs. 1-24) are indicative and not comprehensive. They are for quick scanning, to estimate approximately, quickly, and economically, how well an office facility is likely to meet the needs of one or another type of occupant group, over time. The entries are not for measuring, knowing, or evaluating how an office facility is performing.

1.4 This classification can be used to estimate the level of serviceability of an existing facility. It can also be used to estimate the serviceability of a facility that has been planned but not yet built, such as one for which single-line drawings and outline specifications have been prepared.

1.5 This classification indicates what would cause a facility to be rated at a certain level of serviceability, but does not state how to conduct a serviceability rating nor how to assign a

serviceability score. That information is found in Practice E1679. The scales in Figs. 1-24 are complimentary to and compatible with Practice E1679. Each requires the other.

1.6 The scales are intended to identify the levels of various requirements unique to a particular user, and the serviceability (capability) of a building to meet those requirements. The scales thus supplement rather than include code requirements. It remains the responsibility of designers, builders, and building managers to meet applicable code requirements relative to their respective roles in facility design, construction, and ongoing management.

1.7 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

2. Referenced Documents

2.1 ASTM Standards:³

E631 Terminology of Building Constructions

E1660 Classification for Serviceability of an Office Facility for Support for Office Work

E1665 Classification for Serviceability of an Office Facility for Facility Protection

E1667 Classification for Serviceability of an Office Facility for Image to the Public and Occupants

E1669 Classification for Serviceability of an Office Facility for Location, Access and Wayfinding

E1679 Practice for Setting the Requirements for the Serviceability of a Building or Building-Related Facility, and for Determining What Serviceability is Provided or Proposed

2.2 ISO Documents:⁴

ISO 6240 International Standard, Performance Standards in Building—Contents and Presentation

ISO/DIS 7162 Draft International Standard, Performance Standards in Building—Contents and Format of Standards for Evaluation of Performance

¹ This classification is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.25 on Whole Buildings and Facilities.

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² Portions of this document are based on material originally prepared by the International Centre for Facilities (ICF) and © 1993 by ICF and Minister of Public Works and Government Services Canada. Their cooperation in the development of this standard is acknowledged.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

ISO/DIS 7164 Draft International Standard, Performance Standards in Building—Definitions and Means of Expression for the Performance of a Whole Building

3. Terminology

3.1 Definitions:

3.1.1 *facility, n*—a physical setting used to serve a specific purpose.

3.1.1.1 *Discussion*—A facility may be within a building, or a whole building, or a building with its site and surrounding environment; or it may be a construction that is not a building. The term encompasses both the physical object and its use.

3.1.2 *facility serviceability*—the capability of a facility to perform the function(s) for which it is designed, used, or required to be used.

3.1.2.1 *Discussion*—The scope of this performance is of the facility as a system, including its subsystems, components, and materials and their interactions, such as acoustical, hydrothermal, air purity, and economic; and of the relative importance of each performance requirement.

3.1.3 *office*—a place, such as a room, suite, or building, in which business, clerical, or professional activities are conducted.

3.1.4 For standard definitions of additional terms applicable to this classification, as well as those in 3.1.1 – 3.1.3, see Terminology E631.

4. Significance and Use

4.1 Each Facility Rating Scale in this classification (see Figs. 1-24) provides a means to estimate the level of serviceability of a building or facility for one topic of serviceability, and to compare that level against the level of any other building or facility.

4.2 This classification can be used for comparing how well different buildings or facilities meet a particular requirement

for serviceability. It is applicable despite differences such as location, structure, mechanical systems, age, and building shape.

4.3 This classification can be used to estimate the amount of variance of serviceability from target or from requirement, for a single office facility, or within a group of office facilities.

4.4 This classification can be used to estimate the following:

4.4.1 Serviceability of an existing facility for uses other than its present use.

4.4.2 Serviceability (potential) of a facility that has been planned but not yet built.

4.4.3 Serviceability (potential) of a facility for which a remodeling has been planned.

4.5 Use of this classification does not result in building evaluation or diagnosis. Building evaluation or diagnosis generally requires a special expertise in building engineering or technology, and the use of instruments, tools, or measurements.

4.6 This classification applies only to facilities that are building constructions, or parts thereof. (While this classification may be useful in rating the serviceability of facilities that are not building constructions, such facilities are outside the scope of this classification.)

5. Basis of Classification

5.1 The scales in Figs. 1-24 contain the basis for classification.

5.2 Instructions for use of this classification are contained in Practice E1679.

6. Keywords

6.1 basements; buildings; building envelope and structures; facility; facility occupants; functions; offices; performances; ratings; rating scales; requirements; roofs; serviceability; serviceability of; structure and building envelopes; walls (external) and projections

DEMAND B.1.1.	Typical Office floors
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Demand Scales in this Topic: B.1.1. Information on allowable loading
Subject Matter: Occupants' requirements for information on the ability of existing office floors to support special load conditions, their extent, and location.
Notes: Related occupant requirement scales for floor loading, levelness, and evenness are found in Topic A.1.5 of E1660.

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND	B.1.1. Information on allowable loading
9 <input type="radio"/>	Occupants require very easy access to information, e.g. original structural drawings, calculations, specifications, and special engineering studies.	
8 <input type="radio"/>		
7 <input type="radio"/>	Occupants require easy access to information, e.g. essential data in an Asset Management Plan.	
6 <input type="radio"/>		
5 <input type="radio"/>	Occupants require reasonable access to information, e.g. by request from the local jurisdiction having authority.	
4 <input type="radio"/>		
3 <input type="radio"/>	Occupants accept difficult access to information, e.g. the cost, time, and effort of engineering services that can rely on direct inspection.	
2 <input type="radio"/>		
1 <input type="radio"/>	Occupants accept very difficult access to information, e.g. the cost, time, and effort of engineering services require destructive sampling, testing, and repairs.	
0 <input type="radio"/>	No requirement.	

Select **Relative Importance** of scale = Extremely Important Important Minor Importance

Select **Threshold Level of Scale:** First, indicate whether Threshold Level of **scale** is a **Minimum** OR **Maximum** OR, if there is NO Maximum or Minimum Threshold level, then select **None**.

Then, (unless there is none) select the **Threshold Level** of this **scale**
 9 8 7 6 5 4 3 2 1

If unable to choose scale level, select **OTHER** and indicate reason below:
 Lack Information Postpone decision In-depth evaluation required Not applicable
 Refer question to someone else: Whom? e-mail or phone?

FIG. 1 Demand Scale B.1.1 for Information on Allowable Loading

SUPPLY B.1.1.	Typical office floors
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Supply Scales in this Topic: B.1.1. Information on allowable loading
Subject Matter: The availability of information on the ability of existing office floors to support special load conditions, their extent, and location.
Notes: Related rating scales for floor loading, levelness, and evenness are found in Topic A.1.5 of E1660.

From the options below, please select the level that best describes the RATING.

Rating Level	SUPPLY	B.1.1. Information on allowable loading
9	<input type="radio"/>	Information is very easy to obtain, e.g. original construction documents are available on-site to occupants.
8	<input type="radio"/>	
7	<input type="radio"/>	Information is easy to obtain, e.g. essential data can be found in an Asset Management Plan.
6	<input type="radio"/>	
5	<input type="radio"/>	Information is reasonable to obtain, e.g. the local jurisdiction having authority has construction documents archived.
4	<input type="radio"/>	
3	<input type="radio"/>	Information is difficult to obtain, e.g. engineering services that can rely on drawings and direct inspection are required.
2	<input type="radio"/>	
1	<input type="radio"/>	Information is very difficult to obtain, e.g. engineering services require destructive sampling, testing, and repairs.
0	<input type="radio"/>	No information is available.
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 2 Supply Scale B.1.1 for Information on Allowable Loading

DEMAND B.1.2	External walls and projections
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Demand Scales in this Topic:

- B.1.2.1 Permanence of exterior finishes
- B.1.2.2 Weathertightness at exterior walls
- B.1.2.3 Condition of exterior walls and projections

Subject Matter: Occupants' requirements for the physical condition of the exterior of a building, as distinct from the perceived quality of the exterior.

Notes:

1. Perceived quality of the exterior is dealt with in Topic A.11 Image to public and occupants of E1667.
2. Related occupant requirement scales for the weathertightness of exterior doors and windows and the roof are dealt with in scales B.1.3.1 and B.1.4 respectively.

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND	B.1.2.1. Permanence of exterior finishes
9 <input type="radio"/>	The expected replacement life of exterior finishes must be greater than 75 years.	
8 <input type="radio"/>		
7 <input type="radio"/>	The expected replacement life of exterior finishes must be greater than 50 years up to 75 years.	
6 <input type="radio"/>		
5 <input type="radio"/>	The expected replacement life of exterior finishes should be greater than 40 years up to 50 years.	
4 <input type="radio"/>		
3 <input type="radio"/>	The expected replacement life of exterior finishes can be greater than 30 years up to 40 years.	
2 <input type="radio"/>		
1 <input type="radio"/>	The expected replacement life of exterior finishes does not have to exceed 30 years.	
0 <input type="radio"/>	No requirement.	

Select **Relative Importance** of **scale** = Extremely Important Important Minor Importance

Select **Threshold Level of Scale:** First, indicate whether Threshold Level of **scale** is a **Minimum** OR **Maximum** OR, if there is NO Maximum or Minimum Threshold level, then select **None**.

Then, (unless there is none) select the **Threshold Level** of this **scale**
 9 8 7 6 5 4 3 2 1

If unable to choose scale level, select **OTHER** and indicate reason below:

Lack Information Postpone decision In-depth evaluation required Not applicable

Refer question to someone else: Whom? e-mail or phone?

FIG. 3 Demand Scale B.1.2.1 for Permanence of Exterior Finishes

Requirement Level	DEMAND	B.1.2.2. Weathertightness at exterior walls
9 <input type="radio"/>	Occupants cannot accept any signs of moisture penetration at the inside surface of exterior walls.	
8 <input type="radio"/>		
7 <input type="radio"/>	Occupants can accept isolated signs of minor moisture penetration at the inside surface of exterior walls.	
6 <input type="radio"/>		
5 <input type="radio"/>	Occupants can accept some minor signs of moisture penetration at the inside surface of exterior walls.	
4 <input type="radio"/>		
3 <input type="radio"/>	Occupants can accept noticeable signs of moisture penetration at the inside surface of exterior walls.	
2 <input type="radio"/>		
1 <input type="radio"/>	Occupants can accept signs of moisture penetration at the inside surface of exterior walls provided there is no moisture damage to work products, furnishings, or equipment or negative health impacts from associated mold.	
0 <input type="radio"/>	No requirement.	
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale : First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable		
<input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 4 Demand Scale B.1.2.2 for Weathertightness at Exterior Walls

Requirement Level	DEMAND	B.1.2.3. Condition of exterior walls and projections
9 <input type="radio"/>		Occupants require exterior to be in <i>like-new</i> condition.
8 <input type="radio"/>		
7 <input type="radio"/>		Occupants require exterior to be in <i>good</i> condition.
6 <input type="radio"/>		
5 <input type="radio"/>		Occupants can accept exterior with <i>some minor</i> signs of deterioration.
4 <input type="radio"/>		
3 <input type="radio"/>		Occupants can accept exterior with <i>noticeable</i> signs of deterioration.
2 <input type="radio"/>		
1 <input type="radio"/>		Occupants can accept exterior with <i>extensive</i> signs of deterioration.
0 <input type="radio"/>		No requirement.
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale : First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 5 Demand Scale B.1.2.3 for Condition of Exterior Walls and Projections

SUPPLY B.1.2.	External walls and projections
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Supply Scales in this Topic:

- B.1.2.1 Permanence of exterior finishes
- B.1.2.2 Water penetration
- B.1.2.3 Condition of exterior walls and projections

Subject Matter: This topic deals with the physical condition of the exterior of a building, as distinct from the perceived quality of the exterior.

Notes: Building features affecting the perceived quality of the exterior are dealt with in Topic A.11 Image to public and occupants of E1667.

From the options below, please select the level that best describes the RATING.

Rating Level	SUPPLY	B.1.2.1. Permanence of exterior finishes
9	<input type="radio"/>	The expected replacement life of exterior finishes is greater than 75 years (e.g. 8 in. cast-in-place concrete walls).
8	<input type="radio"/>	
7	<input type="radio"/>	The expected replacement life of exterior finishes must be greater than 50 years up to 75 years (e.g. 4 in. masonry veneer).
6	<input type="radio"/>	
5	<input type="radio"/>	The expected replacement life of exterior finishes should be greater than 40 years up to 50 years (e.g. aluminum curtain wall).
4	<input type="radio"/>	
3	<input type="radio"/>	The expected replacement life of exterior finishes can be greater than 30 years up to 40 years (e.g. cement plaster or cedar siding).
2	<input type="radio"/>	
1	<input type="radio"/>	The expected replacement life of exterior finishes does not have to exceed 30 years (e.g. T1-11 plywood).
0	<input type="radio"/>	No information is available.
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 6 Supply Scale B.1.2.1 for Permanence of Exterior Finishes

Rating Level	SUPPLY	B.1.2.2. Weathertightness at exterior walls
9 ○		Sealants in wall joints are in new or as-new watertight condition. There are no concentrations of residual moisture after most exterior wall surfaces are dry. There is no evidence of moisture penetration to inside surfaces of exterior walls.
8 ○		
7 ○		Sealants in surface-sealed joints are in sound watertight condition. There are isolated concentrations of residual moisture after most exterior wall surfaces are dry. There is isolated evidence of minor moisture penetration to inside surfaces of exterior walls.
6 ○		
5 ○		Sealants in surface-sealed joints are in generally watertight condition. There are some concentrations of residual moisture after most exterior wall surfaces are dry. There is some evidence of minor moisture penetration to inside surfaces of exterior walls.
4 ○		
3 ○		Surface-sealed joints in walls are not fully watertight and need repair. There are noticeable concentrations of residual moisture after most exterior wall surfaces are dry. There is noticeable evidence of moisture penetration to inside surfaces of exterior walls.
2 ○		
1 ○		Surface-sealed joints in walls are not watertight and need replacement. There are extensive concentrations of residual moisture after most exterior wall surfaces are dry. There is evidence of extensive moisture penetration to inside surfaces of exterior walls.
0 ○		No information is available.
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p><input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable</p> <p><input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?</p>		

FIG. 7 Supply Scale B.1.2.2 for Weathertightness at Exterior Walls

Rating Level	SUPPLY	B.1.2.3. Condition of exterior walls and projections
9	<input type="radio"/>	There are no visible defects or failure in external walls or projections.
8	<input type="radio"/>	
7	<input type="radio"/>	There are minor defects , e.g. minor discoloration, stains, or efflorescence adjacent to the tops of walls, wall joints, or weeps; indicating past problems with flashings that may have been corrected. Some minor repair is needed to sealants in external wall joints or wall flashings. Exterior projections are understood by building management to be structurally sound.
6	<input type="radio"/>	
5	<input type="radio"/>	There are some defects , e.g. minor discoloration, stains, or efflorescence adjacent to the tops of walls, wall joints, or weeps. Some repair or periodic replacement is needed to sealants in external wall joints or wall flashings. Exterior projections show localized evidence of structural distress e.g. sagging, cracks, or other required maintenance.
4	<input type="radio"/>	
3	<input type="radio"/>	There are many defects , e.g. discoloration, stains, or efflorescence adjacent to the tops of walls, wall joints, or weeps. Exterior projections show general evidence of structural distress e.g. sagging, cracks, or other required maintenance and localized risk.
2	<input type="radio"/>	
1	<input type="radio"/>	There are extensive defects , e.g. many areas of discoloration, stains, or efflorescence, or, in cold winter conditions icicles and moisture adjacent to the tops of walls, wall joints, or weeps. Exterior projections show widespread evidence of structural distress e.g. sagging, cracks, rusted anchors, or looseness and widespread risk.
0	<input type="radio"/>	No information is available.
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p> <input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone? </p>		

FIG. 8 Supply Scale B.1.2.3 for Condition of Exterior Walls and Projections

DEMAND B.1.3.	External windows and doors
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Demand Scales in this Topic:

- B.1.3.1 Weathertightness at windows and doors
- B.1.3.2 Ease of operation of windows and doors

Subject Matter: Occupants' requirements for the physical condition of exterior doors and windows as distinct from the surrounding exterior wall surfaces.

Notes: Related occupant requirement scales for the weathertightness of exterior walls and the roof are dealt with in scales B.1.2.2 and B.1.4 respectively.

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND	B.1.3.1. Weathertightness at windows and doors
9 <input type="radio"/>	Occupants cannot accept any signs of moisture penetration around exterior windows or doors.	
8 <input type="radio"/>		
7 <input type="radio"/>	Occupants can accept isolated signs of minor moisture penetration around exterior windows or doors.	
6 <input type="radio"/>		
5 <input type="radio"/>	Occupants can accept some minor signs of moisture penetration around exterior windows or doors.	
4 <input type="radio"/>		
3 <input type="radio"/>	Occupants can accept noticeable signs of moisture penetration around exterior windows or doors.	
2 <input type="radio"/>		
1 <input type="radio"/>	Occupants can accept signs of moisture penetration around exterior windows or doors provided there is no moisture damage to work products, furnishings, or equipment or negative health impacts from associated mold.	
0 <input type="radio"/>	No requirement.	

Select **Relative Importance** of scale =
Extremely Important Important Minor Importance

Select **Threshold Level of Scale:** First, indicate whether Threshold Level of **scale** is a **Minimum** OR **Maximum** OR, if there is NO Maximum or Minimum Threshold level, then select **None**.

Then, (unless there is none) select the **Threshold Level** of this **scale**
 9 8 7 6 5 4 3 2 1

If unable to choose scale level, select **OTHER** and indicate reason below:

Lack Information Postpone decision In-depth evaluation required Not applicable

Refer question to someone else: Whom? e-mail or phone?

FIG. 9 Demand Scale B.1.3.1 for Weathertightness at Windows and Doors

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND	B.1.3.2. Ease of operation of windows and doors
9 <input type="radio"/>		Occupants expect all doors and windows must operate normally.
8 <input type="radio"/>		
7 <input type="radio"/>		Occupants can accept isolated doors and windows with minor operating defects.
6 <input type="radio"/>		
5 <input type="radio"/>		Occupants can accept a few doors and windows that may be difficult to operate.
4 <input type="radio"/>		
3 <input type="radio"/>		Occupants can accept a noticeable number of doors and windows that are difficult to operate.
2 <input type="radio"/>		
1 <input type="radio"/>		Occupants can accept many doors and windows that are difficult to operate.
0 <input type="radio"/>		No requirement.

Select **Relative Importance** of scale = Extremely Important Important Minor Importance

Select **Threshold Level of Scale**: First, indicate whether Threshold Level of **scale** is a
 Minimum OR **Maximum** OR, if there is NO Maximum or Minimum Threshold level, then select **None**.

Then, (unless there is none) select the **Threshold Level** of this **scale**
 9 8 7 6 5 4 3 2 1

If unable to choose scale level, select **OTHER** and indicate reason below:

Lack Information Postpone decision In-depth evaluation required Not applicable

Refer question to someone else: Whom? e-mail or phone?

FIG. 10 Demand Scale B.1.3.2 for Ease of Operation of Windows and Doors

SUPPLY B.1.3.	External windows and doors
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Supply Scales in this Topic:

- B.1.3.1 Weathertightness at windows and doors
- B.1.3.2 Ease of operation of windows and doors

Subject Matter: This topic deals with the physical condition of exterior doors and windows as distinct from the surrounding exterior wall surfaces.

Notes: The weathertightness of exterior wall surfaces is addressed in scale B.1.2.2 Water penetration.

Rating Level	SUPPLY	B.1.3.1. Weathertightness at windows and doors
9 ○		Exterior windows and doors are completely weathertight, with no visible defects or history of leaks or signs of discoloration, stains, or efflorescence in surfaces adjacent to wall openings. There is full adhesion of perimeter sealants around openings. There has been a recent full inspection, test, and repair.
8 ○		
7 ○		Exterior windows and doors show isolated signs of minor moisture penetration e.g. minor discoloration, stains, or efflorescence in surfaces adjacent to wall openings. Some isolated and minor repairs are needed to sealants in external wall joints or wall flashings.
6 ○		
5 ○		Exterior windows and doors show some minor signs of moisture penetration, e.g. minor discoloration, stains, or efflorescence in surfaces adjacent to wall openings. Some repairs are needed to sealants in external wall joints or wall flashings.
4 ○		
3 ○		Exterior windows and doors show noticeable signs of moisture penetration, e.g. discoloration, stains, or efflorescence in surfaces adjacent to wall openings. Many repairs are needed to sealants in external wall joints or wall flashings.
2 ○		
1 ○		Exterior windows and doors show extensive signs of moisture penetration, e.g. discoloration, stains, or efflorescence in surfaces adjacent to wall openings. Extensive repairs are needed to sealants in external wall joints or wall flashings.
0 ○		No information in available.
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 11 Supply Scale B.1.3.1 for Weathertightness at Windows and Doors

Rating Level	SUPPLY	B.1.3.2. Ease of operation of windows and doors
9	<input type="radio"/>	All doors and windows operate normally.
8	<input type="radio"/>	
7	<input type="radio"/>	Isolated doors and windows have minor operating defects.
6	<input type="radio"/>	
5	<input type="radio"/>	A few doors and windows may be difficult to operate.
4	<input type="radio"/>	
3	<input type="radio"/>	A noticeable number of doors and windows are difficult to operate.
2	<input type="radio"/>	
1	<input type="radio"/>	Many doors and windows are difficult to operate.
0	<input type="radio"/>	No information is available.
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p> <input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone? </p>		

FIG. 12 Supply Scale B.1.3.2 for Ease of Operation of Windows and Doors

DEMAND B.1.4.	Roof
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Demand Scales in this Topic: B.1.4. Weathertightness of roofing
Subject Matter: Occupants' requirements for the weathertightness of roofing.
Notes: Related occupant requirement scales for the weathertightness of exterior walls and exterior doors and windows are dealt with in scales B.1.2.2 and B.1.3.1 respectively.

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND B.1.4. Weathertightness of roofing
9 <input type="radio"/>	Occupants cannot accept any signs of moisture penetration at occupied areas or interior finishes.
8 <input type="radio"/>	
7 <input type="radio"/>	Occupants can accept isolated signs of minor moisture penetration at occupied areas or interior finishes.
6 <input type="radio"/>	
5 <input type="radio"/>	Occupants can accept some minor signs of moisture penetration at occupied areas or interior finishes.
4 <input type="radio"/>	
3 <input type="radio"/>	Occupants can accept noticeable signs of moisture penetration at occupied areas or interior finishes.
2 <input type="radio"/>	
1 <input type="radio"/>	Occupants can accept consistent signs of moisture penetration at occupied areas or interior finishes provided there are no negative health impacts from associated mold or moisture damage to work products, furnishings, or equipment.
0 <input type="radio"/>	No requirement.

Select **Relative Importance** of scale = Extremely Important Important Minor Importance

Select **Threshold Level of Scale:** First, indicate whether Threshold Level of **scale** is a
 Minimum OR **Maximum** OR, if there is NO Maximum or Minimum Threshold level, then select **None**.

Then, (unless there is none) select the **Threshold Level** of this **scale**
 9 8 7 6 5 4 3 2 1

If unable to choose scale level, select **OTHER** and indicate reason below:
 Lack Information Postpone decision In-depth evaluation required Not applicable
 Refer question to someone else: Whom? e-mail or phone?

FIG. 13 Demand Scale B.1.4 for Weathertightness of Roofing

Rating Level	SUPPLY	B.1.4. Weathertightness at roofing
<p>9 <input type="radio"/></p> <p>8 <input type="radio"/></p> <p>7 <input type="radio"/></p> <p>6 <input type="radio"/></p> <p>5 <input type="radio"/></p> <p>4 <input type="radio"/></p> <p>3 <input type="radio"/></p> <p>2 <input type="radio"/></p> <p>1 <input type="radio"/></p> <p>0 <input type="radio"/></p>	<p>There are no signs of moisture penetration at occupied areas or interior finishes; or of cracking, blistering, ponding, or opening of roofing seams, or corrosion of flashings at the roof. Experience would indicate 90 % of expected roofing life remaining.</p> <p>There are isolated signs of minor moisture penetration at occupied areas or interior finishes; or of cracking, blistering, ponding, or opening of roofing seams, or corrosion of flashings at the roof. Experience would indicate 75 % of expected roofing life remaining.</p> <p>There are some minor signs of moisture penetration at occupied areas or interior finishes; or of cracking, blistering, ponding, or opening of roofing seams, or corrosion of flashings at the roof. Experience would indicate 50 % of expected roofing life remaining.</p> <p>There are noticeable signs of moisture penetration at occupied areas or interior finishes; or of cracking, blistering, ponding, or opening of roofing seams, or corrosion of flashings at the roof. Experience would indicate 25 % of expected roofing life remaining.</p> <p>There are consistent signs of moisture penetration at occupied areas or interior finishes but no mold or damage to work products, furnishings, or equipment; and/or cracking, blistering, ponding, or opening of roofing seams, or corrosion of flashings at the roof. Experience would indicate no roofing life remaining.</p> <p>No requirement.</p>	
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p><input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable</p> <p><input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?</p>		

FIG. 14 Supply Scale B.1.4 for Weathertightness of Roofing

DEMAND B.1.5.	Basement
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Demand Scales in this Topic:	
<ul style="list-style-type: none"> • B.1.5.1 Use of basement • B.1.5.2 Required environmental conditions • B.1.5.3 Acceptable physical condition 	
Subject Matter: Occupants' requirements for the use of basement space and the ambient conditions necessary to support that use.	
Notes: The demand for parking in below grade levels is addressed in Topic A.14.3 found in E1669.	
<i>From the options below, please select the level that best describes the REQUIREMENT.</i>	
Requirement Level	DEMAND B.1.5.1 Use of basement
9 <input type="radio"/>	Multiple below grade levels are needed every day for storage.
8 <input type="radio"/>	
7 <input type="radio"/>	At least two below grade levels are needed every day for storage.
6 <input type="radio"/>	
5 <input type="radio"/>	A below grade level is needed every day for storage.
4 <input type="radio"/>	
3 <input type="radio"/>	A below grade level is occasionally needed.
2 <input type="radio"/>	
1 <input type="radio"/>	A below grade level is not needed.
0 <input type="radio"/>	No requirement.
Select Relative Importance of scale = <input type="radio"/> <input type="radio"/> <input type="radio"/> Extremely Important Important Minor Importance	
Select Threshold Level of Scale: First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .	
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/>9 <input type="radio"/>8 <input type="radio"/>7 <input type="radio"/>6 <input type="radio"/>5 <input type="radio"/>4 <input type="radio"/>3 <input type="radio"/>2 <input type="radio"/>1	
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:	
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?	

FIG. 15 Demand Scale B.1.5.1 for Use of Basement

Requirement Level	DEMAND	B.1.5.2 Required environmental conditions
9 <input type="radio"/>		Users of storage areas require very stable and dry temperature and humidity conditions consistent with occupied areas of office floors.
8 <input type="radio"/>		
7 <input type="radio"/>		Users of storage areas require stable and dry temperature and humidity conditions close to comfort levels for people.
6 <input type="radio"/>		
5 <input type="radio"/>		Users of storage areas require moderately variable temperature and humidity suitable for the storage of computers and office equipment not-in-use.
4 <input type="radio"/>		
3 <input type="radio"/>		Users of storage areas can accept variable and elevated temperature and humidity conditions suitable for the storage of items not readily affected by temperature and humidity.
2 <input type="radio"/>		
1 <input type="radio"/>		Users of storage areas can accept variable and extreme temperature and humidity conditions above freezing.
0 <input type="radio"/>		No requirement.
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale : First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 16 Demand Scale B.1.5.2 for Required Environmental Conditions

Requirement Level	DEMAND	B.1.5.3 Acceptable physical condition
9	<input type="radio"/>	Items in storage areas require regular surfaces with no significant moisture penetration or alkalinity. Users of parking areas require very good drainage at parking spaces and the path to office areas.
8	<input type="radio"/>	
7	<input type="radio"/>	Items in storage areas can withstand some isolated and minor moisture penetration or alkalinity. Users of parking areas require good drainage at parking spaces and the path to office areas.
6	<input type="radio"/>	
5	<input type="radio"/>	Items in storage areas can withstand some small amounts of moisture penetration or alkalinity. Users of parking areas require reasonable drainage at parking spaces and the path to office areas.
4	<input type="radio"/>	
3	<input type="radio"/>	Items in storage areas are not affected by moisture penetration or alkalinity. Users of parking areas require sufficient drainage to avoid standing water at parking spaces and the path to office areas.
2	<input type="radio"/>	
1	<input type="radio"/>	The availability of basement storage and parking are completely unimportant so conditions are equally unimportant.
0	<input type="radio"/>	No requirement.
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale : First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <div style="text-align: center;"> <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1 </div>		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 17 Demand Scale B.1.5.3 for Acceptable Physical Condition

SUPPLY B.1.5.	Basement
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Supply Scales in this Topic:

- B.1.5.1 Availability of basement
- B.1.5.2 Basement's environmental conditions
- B.1.5.3 Basement's physical condition

Subject Matter: The availability and condition of basement space for occupants use.

Notes: The rating of parking in below grade levels is addressed in Topic A.14.3 found in E1669. Supply scales B.1.5.2 and B.1.5.3 are limited to the environmental and physical conditions that may support parking as well as storage.

From the options below, please select the level that best describes the RATING.

Rating Level	SUPPLY	B.1.5.1. Availability of Basement
9 ○		There are multiple below grade levels available for storage every day .
8 ○		
7 ○		At least two below grade levels are available for storage every day .
6 ○		
5 ○		A below grade level is available for storage every day .
4 ○		
3 ○		A below grade level is occasionally available for storage.
2 ○		
1 ○		There are no below grade levels available for occupant use.
0 ○		No information is available.
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable		
<input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 18 Supply Scale B1.5.1 for Availability of Basement

Rating Level	SUPPLY	B.1.5.2 Required environmental conditions
9	<input type="radio"/>	Basement storage areas are very stable and dry , with temperatures 68° to 74°F (20° to 23°C) and 40 to 60 % relative humidity.
8	<input type="radio"/>	
7	<input type="radio"/>	Basement storage areas are stable and dry , with temperatures 60° to 72°F (16° to 22°C) and 30 to 70 % relative humidity.
6	<input type="radio"/>	
5	<input type="radio"/>	Basement storage areas are moderately variable , with temperatures 50° to 70°F (10° to 21°C) and 20 to 80% relative humidity.
4	<input type="radio"/>	
3	<input type="radio"/>	Basement storage areas are variable and elevated , with temperatures 45° to 90°F (7° to 32°C) and up to 60 % relative humidity.
2	<input type="radio"/>	
1	<input type="radio"/>	Basement storage areas are variable and extreme , with temperatures below 45°F (7°C) and/or above 90°F (32°C) and above 60 % relative humidity.
0	<input type="radio"/>	No information is available.
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p> <input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone? </p>		

FIG. 19 Supply Scale B.1.5.2 for Required Environmental Conditions

Rating Level	SUPPLY	B.1.5.3 Acceptable physical condition
9	<input type="radio"/>	There are no significant deficiencies in storage or parking areas. Storage area surfaces are regular with only normal minor hairline cracking, there is no evidence of moisture penetration or alkalinity. Parking areas drain very well.
8	<input type="radio"/>	
7	<input type="radio"/>	There are isolated and minor deficiencies in storage or parking areas. Storage area floor surfaces are mostly regular with a few minor cracks, there is evidence of only a little moisture penetration or alkalinity. Parking areas drain well.
6	<input type="radio"/>	
5	<input type="radio"/>	There are some small deficiencies in storage or parking areas. Storage area floor surfaces are regular, the only evidence of moisture penetration or alkalinity would not affect stored items. Parking areas drain reasonably.
4	<input type="radio"/>	
3	<input type="radio"/>	There are noticeable deficiencies in storage or parking areas. Storage areas have some irregular floor surfaces, moisture penetration, or alkalinity. Parking areas have incomplete drainage but no standing water at parking spaces or the path to office areas.
2	<input type="radio"/>	
1	<input type="radio"/>	There are consistent deficiencies in storage or parking areas: irregular floor surfaces, moisture penetration, alkalinity, or poor drainage that present significant problems to parking or storage use.
0	<input type="radio"/>	No information is available.
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p> <input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone? </p>		

FIG. 20 Supply Scale B.1.5.3 for Acceptable Physical Condition

DEMAND B.1.6.	Grounds
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Demand Scales in this Topic:

- B.1.6.1. Required level of grounds maintenance
- B.1.6.2. Acceptable condition of site improvements

Subject Matter: Occupants’ requirements for the maintainability and ongoing condition of site improvements.

Notes: Related occupant requirement scale for the performance of site illumination is found in Topic A.9.3 of E1665.

Related occupant requirement scale for the appearance of site improvements is found in Topic A.11.7 of E1667.

From the options below, please select the level that best describes the REQUIREMENT.

Requirement Level	DEMAND	B.1.6.1. Required level of grounds maintenance
9 <input type="radio"/>	The grounds must be very easy to maintain by virtue of the appropriate selection of plants and materials for local conditions.	
8 <input type="radio"/>		
7 <input type="radio"/>	The grounds must be easy to maintain by virtue of the appropriate selection of plants and materials for local conditions.	
6 <input type="radio"/>		
5 <input type="radio"/>	The grounds must be reasonable to maintain by virtue of the appropriate selection of plants and materials for local conditions.	
4 <input type="radio"/>		
3 <input type="radio"/>	The grounds can be difficult to maintain because exterior appearance is not particularly important and/or the cost of more easily maintained plants and materials would be inconsistent with the building and vicinity.	
2 <input type="radio"/>		
1 <input type="radio"/>	The grounds can be very difficult to maintain because exterior appearance is not important and/or the cost of more easily maintained plants and materials would be inconsistent with the building and vicinity.	
0 <input type="radio"/>	No requirement.	
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale: First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1 		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable		
<input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 21 Demand Scale B.1.6.1 for Required Level of Grounds Maintenance

Requirement Level	DEMAND	B.1.6.2. Acceptable condition of site improvements
9 <input type="radio"/>		Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are expected to be in very good condition; with no noticeable defects.
8 <input type="radio"/>		
7 <input type="radio"/>		Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are expected to be in good condition; with minor defects.
6 <input type="radio"/>		
5 <input type="radio"/>		Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are expected to be in reasonable condition; with some defects acceptable provided site improvements are fully useable.
4 <input type="radio"/>		
3 <input type="radio"/>		Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are expected to be in sufficient condition; with many defects acceptable provided site improvements are useable and do not pose a hazard to people.
2 <input type="radio"/>		
1 <input type="radio"/>		The condition of paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting is unimportant ; with operations and safety unaffected by extensive defects.
0 <input type="radio"/>		No requirement.
Select Relative Importance of scale = <input type="radio"/> Extremely Important <input type="radio"/> Important <input type="radio"/> Minor Importance		
Select Threshold Level of Scale : First, indicate whether Threshold Level of scale is a <input type="radio"/> Minimum OR <input type="radio"/> Maximum OR, if there is NO Maximum or Minimum Threshold level, then select <input type="radio"/> None .		
Then, (unless there is none) select the Threshold Level of this scale <input type="radio"/> 9 <input type="radio"/> 8 <input type="radio"/> 7 <input type="radio"/> 6 <input type="radio"/> 5 <input type="radio"/> 4 <input type="radio"/> 3 <input type="radio"/> 2 <input type="radio"/> 1		
If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:		
<input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable <input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?		

FIG. 22 Demand Scale B.1.6.2 for Acceptable Condition of Site Improvements

SUPPLY B.1.6.	Grounds
----------------------	----------------

Supply Scales in this Topic:

- B.1.6.1. Ease of grounds maintenance
- B.1.6.2. Condition of site improvements

Subject Matter: Occupants' requirements for the maintainability and ongoing condition of site improvements.

Notes: Related rating scale for the performance of site illumination is found in Topic A.9.3 of E1665. Related rating scale for the appearance of site improvements is found in Topic A.11.7 of E1667.

From the options below, please select the level that best describes the RATING.

Rating Level	SUPPLY	B.1.6.1. Ease of grounds maintenance
9 <input type="radio"/>		The grounds are very easy to maintain: Paving, curbs, and walks require inspection and treatment every seven to ten years; mature trees, shrubs, and ground covers require annual inspection and light pruning; where applicable snow can be completely cleared with equipment and stockpiles pose no inconvenience; site furnishings and exterior lighting require annual inspection and isolated repairs; luminaires are very accessible for replacing lamps.
8 <input type="radio"/>		
7 <input type="radio"/>		The grounds are easy to maintain: Paving, curbs, and walks require inspection and treatment every six to seven years; mature trees, shrubs, and most ground covers require biannual pruning and feeding and there are limited lawns requiring weekly mowing; where applicable snow can be cleared mostly with equipment supplemented by limited manual effort and stockpiles pose a minor inconvenience; site furnishings and exterior lighting require annual inspection and a few minor repairs; luminaires are easily accessible for replacing lamps.
6 <input type="radio"/>		
5 <input type="radio"/>		The grounds are reasonable to maintain: Paving, curbs, and walks require inspection and treatment every four to six years; all landscaping requires preparation for each season and lawns require weekly mowing; where applicable snow can be cleared with equipment supplemented by some manual effort and stockpiles pose a moderate inconvenience; site furnishings and exterior lighting require annual inspection and some minor repairs; luminaires are accessible for replacing lamps.
4 <input type="radio"/>		
3 <input type="radio"/>		The grounds are difficult to maintain: Paving, curbs, and walks require inspection and treatment every two to four years; all landscaping requires preparation for each season and weekly pruning and mowing throughout; where applicable most snow can be cleared with equipment supplemented by much manual effort and stockpiles pose an inconvenience; site furnishings and exterior lighting require annual inspection and many repairs; luminaires are inconvenient to access for replacing lamps.
2 <input type="radio"/>		

FIG. 23 Supply Scale B.1.6.1 for Ease of Grounds Maintenance

<p>1 <input type="radio"/> The grounds are very difficult to maintain: Paving, curbs, and walks require inspection and treatment every year or two; landscape maintenance requires ongoing effort; where applicable snow clearing requires extensive manual effort and is often challenging to stockpile; site furnishings and exterior lighting require annual inspection and extensive repairs; luminaires are difficult to access for replacing lamps.</p> <p>0 <input type="radio"/> No information is available.</p>
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p><input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable</p> <p><input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?</p>

FIG. 23 Supply Scale B.1.6.1 for Ease of Grounds Maintenance (continued)

Rating Level	SUPPLY	B.1.6.2. Condition of site improvements
9 <input type="radio"/>	Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are in very good condition; with no noticeable defects.	
8 <input type="radio"/>		
7 <input type="radio"/>	Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are in good condition; with minor defects.	
6 <input type="radio"/>		
5 <input type="radio"/>	Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are in reasonable condition; with some defects but site improvements are fully useable.	
4 <input type="radio"/>		
3 <input type="radio"/>	Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are in sufficient condition; with many defects but site improvements are useable and do not pose a hazard to people.	
2 <input type="radio"/>		
1 <input type="radio"/>	Paving, curbs, and walks; trees shrubs and lawns; site furnishings; and exterior lighting are in substandard condition with extensive defects.	
0 <input type="radio"/>	No information is available.	
<p>If unable to choose scale level, select <input type="checkbox"/> OTHER and indicate reason below:</p> <p><input type="checkbox"/> Lack Information <input type="checkbox"/> Postpone decision <input type="checkbox"/> In-depth evaluation required <input type="checkbox"/> Not applicable</p> <p><input type="checkbox"/> Refer question to someone else: Whom? e-mail or phone?</p>		

FIG. 24 Supply Scale B.1.6.2 for Conditions of Site Improvements

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