



ICC IS-BLE COMMITTEE COMMITTEE MEETING AGENDA NOTES

Date/Time: August 30, 2017: 1:00 p.m.-3:00 p.m. Eastern

This meeting will continue on **September 6, 2017 at 1:00 Eastern for 2 hours.**

The next meeting will start with the consideration of the Public Input Agenda for ICC 300-2012 Supplement and Public Input Agenda for ICC 300-2012 Supplement 3.

Attendees:

Committee members:

Amber DellAngelo
Ida F. Dugas
Ali M. Fattah
Nicholas J. Sitzman
Michael W. Tantala, Chair
Kevin Warapius, Vice-chair

Committee Secretary:

Kimberly Paarlberg, RA

Interested Parties:

~~Brian Boudreau~~
~~Greg Buckner~~
~~Justin Burton~~
~~Tom deGreck~~
~~Bill Elliott~~
~~William Funk~~
Diane Gould
Jim Hackett
~~Russell Kendzior~~
~~Brent Klein~~
~~Ron LaPlante~~
~~Mike Leighton~~
Steven Madden
Greg Nelson
Terry O'Hagan
~~Ed Roether~~
William Van Woert
Dan Victor
~~Bill Willinger~~

Meeting Notes:

- The meeting was called to order at 1:05 p.m.

IS-BLE 26-17

Committee Action: Disapproval. 6-0

Reason: The proposal includes non-enforceable language. There is commentary language within the text. Some of the language is difficult to understand – such as mid-aisle way. How would you consistently address if this is technically infeasible to change tread and riser height? Fall hazards are already addressed under Section 503. How would you revise the means of egress/aisle width on an existing bleacher system without extensive structural revisions and/or loss of capacity? Section 505.1 already requires compliance with sections of Chapter 3 and 5. The exceptions appropriate in Chapter 4 would be very extensive. Section 501 says altered areas must meet new requirements.

IS-BLE 27-17

Committee Action: Disapproval 6-0

Reason: If this is not a safety or structural issue, should this be in the standard? Should this be applicable to all grandstands and bleachers, or just telescopic systems? Is this a conflict with vomitories or the provisions in IBC Section 1029.1.1.1? Restricting access under the bleachers should be the choice of the owners. As a requirement in Section 506, it would require this to be added to existing bleachers within a 12 month time frame. A solid barrier could substantially increase the wind load on an exterior system.

IS-BLE 12-17

Staff Note: In preparing the public review draft, staff found some additional locations where “aisle stairs” appeared in the text. This was raised with the committee to see if they wanted these locations to be replaced with “stepped aisles” to be consistent with the committee action for this proposal.

Committee Action: Vote for reconsideration: 5-0

Vote for approval as modified: 5-0

Modification:

Further modify as follows:

SECTION 303 STRUCTURAL DESIGN

**TABLE 303.2
DESIGN LOADS**

TIERED SEATING ELEMENT	LOAD TYPE	LOAD
Seats (vertical)	L	120 pounds per linear foot.
Treads	L	Stair treads and aisle stair <u>stepped aisle</u> treads shall be designed to resist a minimum concentrated load of 300 pounds on an area of 4 square inches.
Handrails and guards, uniform load	R _r	Handrail assemblies and guards shall be designed to resist a load of 50 pounds per linear foot (pound per foot) applied in any direction at the top. The supporting elements shall transfer this load to the structure.

Handrails and guards, concentrated load	R _r	Handrail assemblies and guards shall be able to resist a single concentrated load of 200 pounds, applied in any direction at any direction along the top. Attachment devices and supporting elements shall transfer this load to the structure.
Guards, infill components	R _r	Intermediate rails (all those except the handrail), balusters, and panel fillers (including flexible infill components) shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1 square foot, including openings and space between rails. Application of the loads shall not allow guard openings greater than that permitted by Sections 408.2 and 503.2.

For SI: 1 square inch = 645.46 mm², 1 square foot = 0.0929 m², 1 pound = 4.448 N, 1 pound per linear foot = 14.594 N/m.

SECTION 406 AISLE STAIRS AND STEPPED AISLES

406.1 Stairs. Stair treads and risers shall be as required by the building code. Stepped aisles shall comply with Section 406.2 through 406.7.

Exception: A stair that connects a stepped aisle to a cross aisle shall be permitted to comply with the stepped aisle requirements of Sections 406.2 through 406.7.

406.2 Treads and risers. Stepped aisles shall consist of a series of treads and risers that extend across the full width of the aisle. ~~Aisle stairs~~ stepped aisles shall be constructed in accordance with the requirements of this section.

406.7 Dimensional uniformity. Stepped aisle treads and risers shall be of uniform size and shape. The tolerance between the largest and smallest riser or between the largest and smallest tread shall not exceed 0.375 inch (9.5 mm) in any flight of ~~stairs~~ the stepped aisle.

Exception: Treads and risers in transition areas and parabolic seating configurations in accordance with Section ~~406.6.4~~ 406.7.1.

~~406.6.4~~ **406.7.1 Tread and riser nonuniformity permitted.** Treads and risers located in transition areas between adjacent tiered seating elements, parabolic seating configurations or onto or off of tiered seating are not required to be of uniform depth or height where a mid-aisle handrail is provided. The handrail shall meet the requirements of Section 409. Mid-aisle handrails in transition areas shall extend the full length of the transition and a minimum of one tread depth, parallel to the run of the ~~aisle stairs~~ stepped aisles, above and below the uppermost and lowermost riser in the transition. Where extensions of the aisle handrail interfere with adjacent means of egress, the handrail extension shall terminate at the riser.

408.2 Opening limitations. Open guards shall be constructed of materials such that a 4-inch-diameter (102 mm) sphere cannot pass through any opening up to a height of 34 inches (864 mm). From a height of 34 inches (864 mm) to 42 inches (1067 mm) above the adjacent walking surfaces, a sphere 8 inches (203 mm) in diameter shall not pass.

Exceptions:

1. The triangular opening formed by the riser, tread and bottom rail at the open side of an ~~aisle stair~~ stepped aisle or tiered seating shall be of a maximum size such that a sphere of 6 inches (152 mm) in diameter cannot pass through the opening.
2. Guards at the end of aisles where they terminate at a fascia of boxes, balconies and galleries shall have balusters or ornamental patterns such that a 4-inch diameter (102 mm) sphere cannot pass through any opening up to a height of 26 inches (660 mm). From a height of 26 inches (660 mm) or greater above the adjacent walking surfaces, a sphere 8 inches (203 mm) in diameter shall not pass.

409.1 Required handrails. Where seats are located on both sides of an ~~aisle stair~~ a stepped aisle, a minimum of one mid-aisle handrail shall be provided. Where seats are located on one side of an ~~aisle stair~~ a stepped aisle, a minimum of one handrail shall be provided on the side of the ~~stair~~ stepped aisle where there are no seats.

Exceptions:

1. A handrail is not required for an ~~aisle stair~~ a stepped aisle serving a single row of seating.
2. The mid-aisle handrail is permitted to be on one side of the aisle when the ~~aisle stair~~ stepped aisle serve less than 50 seats.

409.2 Height. Handrail height, measured above ~~aisle stair~~ stepped aisle nosings, shall be uniform, not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

409.5 Handrail termination. Handrails located on the side of an ~~aisle stair~~ stepped aisle shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent ~~aisle stair~~ stepped aisle flight.

503.2 Opening limitations. Open guards shall be constructed of materials such that a 4-inch-diameter (102 mm) sphere cannot pass through any opening.

Exception: The triangular opening formed by the riser, tread and bottom rail at the open side of an ~~aisle stair~~ a stepped aisle or tiered seating shall be of a maximum size such that a sphere of 6 inches (152 mm) in diameter cannot pass through the opening.

Reason: Approve further modification to IS-BLE 12-17 for consistency with the original proposal and modifications made during the first review.

The committee completed the review of the Public Input Agenda.

The committee voted to consider Public Input Agenda for ICC 300-2012 Supplement 1, 2 and 3 – Yes – 6-0

The committee chose to review Public Input Agenda for ICC 300-2012 Supplement 2 first.

IS-BLE 32-17

Committee Action: Approve as Submitted 6-0

Reason: Update of references to be consistent with the current codes.

IS-BLE 33-17

Committee Action: Approved as modified 5-0

Modification:

Further modify as follows:

404.3 Access to a public way Exterior installations. For exterior installations where the means of egress converge on the grade level, a minimum of two egress paths shall be provided, sized to accommodate the occupant load served. ~~For exterior installations, the exit discharge does not lead directly~~ shall provide a direct and unobstructed access to a street or public way.

Exception: Where access to a *public way* cannot be provided, a safe dispersal area shall be provided where all of the following are met:

1. The area shall be of a size to accommodate not less than 5 square feet (0.46 m²) for each person.
2. The area shall be located on the same lot not less than ~~it shall lead to an safe dispersal area sized to contain the full capacity and located a minimum of 50 feet (15 240 mm) away from the structure requiring egress.~~
3. The area shall be permanently maintained and identified as a safe dispersal area.
4. The area shall be provided with a safe and unobstructed path of travel from the structure.

Reason: The modifications clarifies that this is for exterior installations only. The building code will deal with interior bleacher systems. This clarifies the scope of the standard for this means of egress. This information on the technical criteria by using “structure” rather than “building” and the code official/designer has everything in one location. The proposal coordinates safe dispersal requirements with the IBC and add specifics for bleachers.

IS-BLE 34-17

Committee Action: Approve as Submitted 5-0

Reason: Coordination with terminology in the IBC and the ICC 300 for outdoor seating systems.

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The call ended at 3:00 Eastern. This meeting will continue on **September 6, 2017 at 1:00 Eastern for 2 hours.**

Join WebEx meeting

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