

Plan Review Submittal Reminders for Bleachers

2/11/2013

Design and Submittal

- SPS 361.03(9) requires that the current code applies to replacement bleachers.
- SPS 361.30(2) Plan submittal is required for:
 - Exterior bleachers over five rows in height
 - All interior bleachers in public buildings or places of employment.
- SPS 361.20(2) requires a Wisconsin registered architect or engineer for bleachers in buildings over 50,000 cubic feet or any exterior bleacher. A designer is required for the bleachers themselves as well as other related building code issues such as anchorage, sanitary facilities, egress, handicap accessibility, building fire protection and ventilation.
- SPS 361.40 requires a supervising professional when a registered architect or engineer is required for design.

Application and Fees

- Separate bleachers are separate bleacher objects if they are 10 feet or more apart.
- Bleachers fees are a \$100 submittal fee, plus \$250 miscellaneous fee per bleacher when exterior or if not submitted with or as a follow-up to a building submittal.
- A bleacher is either type IIB if entirely non-combustible or VB if it has combustible decking.
- Unless a fire wall separation is provided, enter the worst class of construction for the bleachers and any press box, concession stand or storage area.
- If a press box or storage building is submitted with and attached to the bleachers, it is all a single bleacher object.

General Code Compliance

- Per IBC 1028.1.1, the bleachers themselves shall comply with ICC 300-2007 Standard for Bleachers.

Construction and Fire Protection

- Bleachers without a roof or without sidewalls are A-5 occupancies, which are allowed unlimited area and stories.
- Enclosed skyboxes and press boxes are A-3 occupancies if serving more than 50 people.
- ICC 300 s. 301.2 - Unless the bleachers and related buildings are analyzed as a single structure, this section requires a minimum 10 foot separation between buildings and bleachers unless the building walls and openings are protected per IBC Table 602.
- Storage underneath open bleachers would typically be considered creating just a one-story structure since the bleachers are not considered a story of themselves since they have no roof.
 - Is allowed per the following options:
 - Per IBC 508.2 as an accessory occupancy up to 10% of the building area or the story in which they are located but shall not exceed the values in IBC 503 without building increases.

- Per IBC 508.3 as a non-separated mixed-use with the most restrictive IBC 503 building area and IBC 903 fire areas for the occupancies present applicable to the storage area.
 - Per IBC 508.4 as a separated mixed-use with the proper fire barrier between it and the bleachers with the storage occupancy size limited per type of construction, frontage and whether sprinklers are provided.
- Storage areas under bleacher aisle stairs are not required to be separated by 1 hour fire resistance rated construction per IBC 1009.6.3 unless the bleacher is designed as separated mixed-use.
- Headroom requirements of IBC 1003.2 and 1208.2 are applicable. Areas of less than 7 feet, 6 inches height are acceptable with a proper barrier per IBC 1003.3.1 or per the sloped roof provisions of IBC 1208.2 exception 2.
- IBC 903.2.1.5 - Sprinkler systems shall be provided in group A-5 occupancies in the following areas; concession stands, retail areas, press boxes and other accessory use areas in excess of 1,000 sf. These areas shall be measured individually and solid construction is required to provide separations.
- IBC 1028.6.3 Exception 2 - Smoke-protected assembly seating, including bleacher seating taking credit for smoke-protection, requires press boxes and storage facilities over 1,000 sf aggregate in area to be sprinklered.

Egress and Accessibility:

- IBC 1009.1 Exception 3 permits bleacher aisle stairs per IBC 1028 to serve a press box.
- See ICC 300-2007 and IBC 1028 for bleacher egress requirements.
- IBC 1104.3.2 – Press boxes shall be accessible if the aggregate area, including occupied roofs and porches, is over 500 square feet.
- See IBC 1108.2 regarding accessible assembly seating.

Sanitary Requirements - IBC 2902.3.2 Toilet facilities shall be provided within 500 feet.

Maintenance - SPS 361.03(13) requires bleachers to comply with ICC 300-02 which includes a requirement for annual maintenance inspection in s. 105.2.