



Boone County Schools

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The Boone County
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The Boone County school district proposes to renovate additional shell space of the Ignite Institute, an A2 school facility located in a former Toyota research facility donated to the district. The existing exterior walls of the proposed "fit-up" areas are comprised of a curtain-wall system made up of fixed glass and spandrel panels that compose the entirety of the exterior wall. Consequently, the system does not comply with several of the window provisions listed under 702 KAR 4:170, Part 3.c, Windows.

In accordance with 702 KAR 4:170, Part 6, Waivers, the Boone County Board of Education requests from the Chief State School Officer a Waiver to 702 KAR 4:170, Facility Programming and Construction Criteria Planning Guide, Part 3.c Windows - Paragraphs c.1.b, c.3, c.4, c.5 and c.6 which state:

"c.1) Where windows are installed in an instructional space:

b.) an area of operable sash shall be required in an amount equal to 2% of the net floor area."

c.3) Operable sections of windows shall be no higher than sixty (60) inches.

c.4) Clerestory windows or skylights shall be prohibited in all instructional spaces with the exception of Art and Biology Classrooms where an exemption to 702 KAR 4:170 shall require the approval of the Director of the Division of Facilities Management.

c.5) The height of a window sash or frame shall be a minimum of thirty (30) inches above the finished floor.

c.6) Window glass openings higher than 8'-8" above the finished floor shall be prohibited in all instructional spaces with the exception of the Library/Media Center and the Middle/High School Art Classroom where an exemption to this requirement shall require the approval of the Director of the Division of Facilities Management.

"Good Cause" for the Waiver includes the following:

- It is not feasible to replace the existing curtainwall system with compliant windows for the instructional areas.
- The HVAC system, designed for the existing curtainwall system, provides outside air to all occupied spaces in accordance with ASHRAE 62.1. This is an acceptable (and preferred) means of ventilation to save energy and improve occupant comfort during design heating and cooling or severe weather days when natural ventilation is not feasible.
- Daylight for instructional areas are maximized by the existing curtainwall system.