

Responses to initial comments of July 14, 2004 from Mike Nugent:

1. Please review Section 707.6, the firewall continuity (parapet) is less than 2'-8", please comment. *Both the existing and new roofs are of non-combustible construction therefore 707.6.1 applies and the parapet extension is not required.*
2. The unassigned area in the locker area looks like a classroom for viewing game film etc. Can we assign this space something for the purpose of code compliance? *The unassigned space is intended to be used as an athletic classroom. As shown, the area of the room is 600 sf with an occupancy of no greater than 30 persons (600 sf ÷ 20 sf/person = 30 persons).*
3. Please indicate the potential occupant load for the "basement" area and the rationale for your determination. There is limited egress capability based on Table 1009.2 because there is only 72" of actual egress width. *72" of egress width would translate into a maximum occupancy load of 480 persons. The actual occupancy load would be considerably below that number. As stated above, the maximum capacity of the classroom would be 30 while the capacity of each locker room would be limited to one team sport at any one time that could be anywhere from 15 to a maximum of 85 persons for men or 45 persons for women. The running track is for indoor practice only for about 10 to 20 at any one time. The training room would have a capacity of no more than 8 to 10 persons. Therefore, if all areas were occupied at the same time, the total capacity of the lower level would be about 190 persons, which is less than the maximum allowable occupant load based on egress width.*
4. I assume the gym will be used for general assembly functions. What is the potential occupant load in this scenario and what occupancy did you use in Table 1008.1.2? *Based on bleacher seating only (18" per person), the occupancy would be 1,000 persons. If the gymnasium is used for an assembly with folding chairs on the gym floor, then the occupancy would be 1,600 persons (1,000 for the bleachers and a maximum of 600 in folding chairs in the area of the basketball court (4,200 sf ÷ 7sf/person = 600). The egress width required for 1,600 occupants is 240", while 504" of egress width has been provided. 144" of egress width has been provided at the main entrance, which provides egress width for more than half the occupancy (144" ÷ .15"/person = 960 persons).*
5. Sheet A.35.2 - No Riser dimensions (C2 or C4). *The details on Sheet A35.2 are typical details only and do not include riser dimensions as this will vary depending on the particular overall rise. In no case do the individual risers exceed the maximum 7" per code. Referring to stair sections B1 and B3 on Sheet A35.1, the overall rise divided by the number of risers shown would provide a riser of 6 ¾".*
 - a. A4: No intermediate rail shown please see Section 1014.7. *Detail A4/A35.2 is for the exterior stairs shown on Sheet C20.1, Site Layout Plan, which did show the intermediate rail. Detail A4/A35.2 will be revised to add the intermediate rail.*
 - b. D1: The Ornamental Pattern for the guard is a "ladder". *The ornamental pattern is a wire mesh with vertical and horizontal wires, not bars, at 2" on center, which would not be considered a "ladder".*
6. Guards are not shown on the North East exterior stairs. *If this refers to the exterior stairs exiting from the building all the stairs are shown with combination guardrails/handrails. If this refers to the exterior stairs between the two buildings, guards are not required because the grade follows the slope of the stairs and the difference between the stairs and grade is less than 15 ½".*

7. It is unclear from the "S" series of drawings that the S.W. Cole report was used in the foundation plan and also it looks like there will be pilings. Please provide information establishing compliance with Section 1816. *The S.W. Cole geotechnical report information will be added to the drawing notes. There are no piles on current footprint of the building. The piles referenced in the report were for a portion of the original design that has been deleted.*
8. The Statement of Special Inspections is incomplete. Section 1705.1.1 requires that a list of individuals, agencies or firms conducting the inspections be provided. *The testing agency has not been determined. The Owner will be hiring the testing agency, possibly S.W. Cole, and will provide you with that information as soon as it is known.*
9. In the Spec Book, section 07811, Sprayed Fire- resistive materials are to be used, Please include an assigned special inspector for this (Please see Section 1705.12.). *Special Inspection of the sprayed-on fireproofing will be included.*