

**QUESTIONS AND ANSWERS**  
**VA246-14-B-0071 A00004**

**NOTE: All answers are in bold**

Q1. Specification page 08-5113.11-2 1.7 Field Testing paragraph B section 3 requires mental health windows in accordance with AAMA 501.8.13. None of the other buildings thus far have had to meet this requirement. This is a security window, there is not a security window defined in the drawing details nor a basis of design identified. Please provide additional information if this is really the intent.

**A1.**

- **It is defined in the specification. The drawing for Building 4 has been revised and it was stated in on sheet 1 that Building 4 was a mental health building.**
- **This building is a mental health building. Provide and install windows per the spec section 08 80 00, Glazing**
- **08 51 13 11, Side Hinged Aluminum Windows that meet section 1.7.3, section 2.3.C, section 2.4.I (1-4)**

Q2. Specification page 08-5113.11-4 Sub paragraph E: There is a "Made in America" requirement for Federal work. If windows are manufactured in America and tested to the American AAMA 101 test methods and protocols doesn't that meet the industry standard? Is the Canadian AAMA Standard really required? If so this will limit competition as most American Manufacturers manufacture and test to American AAMA 101.

**A2. This is one specification that was jointly developed by representatives from the American Architectural Manufacturers Association (AAMA), the Canadian Standards Association (CSA) and the Window and Door Manufacturers Association (WDMA), and is a North American Window standard. Both America and Canada follow the same industry standards for testing.**

Q3. Somewhere in the specifications or drawings it needs to be made clear that all the windows will be required to be triple glazed **with 1" integral blinds** with the exception of the double hung windows and the tunnel units. This is not clearly stated. Without clearly stating the requirement, some bids will include and some bids will exclude the 1" integral blind requirement creating a situation where bids can vary widely based on product quoted.

**A3. The One (1) inch blinds do not need to be installed in the Double hung windows or the fixed windows in the Chapel Tunnel.**

Q4. Do the tunnel units need to match the previously replaced tunnel unit windows? If so it needs to be clear these units will be the casement windows, triple glazed with grid to match and no 1" blinds. Currently the revised drawings show a fixed over projected window with no grid.

**A4. The drawing for the tunnel has been revised to indicate the grid is required and no 1" blinds. The windows will be casement windows.**

Q5. Do the double hung windows in bldg. 15 need to have grid in order to match the rest of the building? Blinds are not possible but grids can easily be supplied in order to match the looks of the other buildings.

**A5. Yes the double hung windows need to have grids and no blinds.**

Q6. If the intent of this project is to upgrade the energy efficiency of the windows and create a consistent appearance on campus, the triple glazed glass should be called out as 1" IG, with Gray SolarBan60 over 1/4" Clear 1" blinds w/ 1/4" Clear Tempered glass. The double hung would be the same without the blinds and interior panel. This way all the glass on the campus will match in both appearance and performance.

**A6. The triple glazed window shall have 1" IG, with Solarban60 (or equal) over clear 1/4" glass with 1" blind with 1/4" clear tempered glass (or laminated glass for B4). The double hung windows shall have the same except for the blinds and grid.**

Q7. There is a little ambiguity in Specification page 08-5113.11-1 & 2 1.5 Quality Assurance paragraph D section 2, 3, & 4. If past practice is that standard, I think that the intent is for the entire window assembly to meet thermal values. Currently it is feasible to interpret this specification to relate to only glass thermal values.

**A7. This is considered for the glazing values only.**

END