
AMENDMENT NO. 6

1) Requests for Clarification

Question 68: Drawing C-203 indicates exterior grade elevation for both firing range & training building to be 267.64 while Drawing A310 (firing range) and A320 (training building) are showing elevations as 267.54. Please advise.

Response 68: Elevation is +267.69

Question 69: Our structural steel sub-contractor says that the size of structural steel is so that it is impossible to galvanize them. Structural notes require exposed members to be galvanized. Joints are fully welded as per specifications. Please clarify as to how we should proceed with pricing the structural steel?

Response 69: We already accepted the Contractor's proposal of splicing the Truss to permit galvanizing and provided location of splice. See previous amendment, question 4 and attached sketch.

Question 70: Is painted structure acceptable?

Response 70: Structural steel is to be painted. Refer to Sections 09 91 13 and 09 91 23 for galvanized steel coatings.

Question 71: Section 1.3.2.1 - does this mean that sub-trades must be bonded?

Response 71: Yes.

Question 72: 1.4.2 - Is there any equipment on this project that is tax exempt?

Response 72: No.

Question 73: 1.7.2 - does this mean the owner is supplying temporary heat & enclosures?

Response 73: No.

Question 74: Is there a list of acceptable metal roof and siding manufacturers?

Response 74: No. Product submitted is to meet the specifications and submitted shop drawings will be reviewed.

Question 75: The roads leading into the Fenbrook property are restricted to 5 tonnes/ axle from March 1, 2013 to April 30, 2013, has the owner arranged an exemption to this bylaw?

Response 75: No.

Question 76: On Dwg.C-200 who is responsible about Removal of Existing Septic Bed? If it is the G.C., we need more information.

Response 76: Yes. Remove tile to 400mm on both sides of footing. Information of septic bed is unknown.

Question 77: Because there is no landscape dwg, do we have to cover the rest of site (outside the bldg and parking) with topsoil and sod?

Response 77: Yes, only existing sod that is disturbed by work.

Question 78: Is there cash allowance for inspection and testing of material?

Response 78: No.

Question 79: The lighting supports for fixture type "A1", is there a required finish or coating these steel members should be treated with as they are exposed to the elements? Would Can-Strut or U-Strut be acceptable?

Response 79: Galvanized.

Question 80: Could you please provide, or direct me to, the flooring and paint schedules for this project. Regarding the millwork; What material is spec'd for the cabinet interior? Is standard melamine acceptable?

Response 80: Room Finish Schedule is included in specifications. For cabinets' interior use Birch veneer.

Question 81: On drawing C-209 detail 7, there is a note with an arrow to native material which reads Granular 'A' on it please clarify what this means?

Response 81: This should read Undisturbed or Native Soil.

Question 82: Asphalt Structure is different in specifications, drawing C-209 and drawing C-301. Which one is to be followed?

Response 82: Follow Dwg.C-301.

Question 83: On drawing C-310 detail 4 (base) applies to two signage shown on detail 1 and 2? Or there are more signage which this detail apply to?

Response 83: No, only for signs in detail 1 and 2.

Question 84: We are just trying to get some information on the bird netting for the fenbrook Firing range. There is no detail on where the bird netting is being installed or how much. Could you please provide us with some info on this.

Response 84: The bird netting is to be installed from the top chord of truss in gridline L to top of bullet trap for the full width of range to prevent birds getting behind the trap.

Question 85: Regarding the HSS trusses project with Nor-Weld (T13-0008-01), here are my questions in order to design welded web connections at top and bottom chord of trusses. First of all, I want to point out that all HSS member to be G40.21, Class "C", 350 MPa and NOT ASTM A500 according to specifications!

Response 85: G40.21. Class C, 350 MPa is acceptable.

Question 86: To design welded connection properly, I need loads of every webs at each node (see attached). Top chord and bottom chord loads weren't shown on section 2, S-510. If I take all maximum loads, I will get lots of through plates nor reinforcing plates.

Response 86: Top and bottom chords shall be continuous with full penetration weld at splice location (away from Joint). Refer to Attached drawings for Web forces.

Question 87: Is there any aesthetic purpose?

Response 87: No.

Question 88: Can we increase HSS thickness (webs) if welds fail under given loads?

Response 88: Yes.

Question 89: We may have potential problem at KT-connection (intersections of 3 web members at top chord). Can we increase HSS 102x102x6.4 if needed?

Response 89: Yes.

Question 90: As per our conversion please find attached specification for the Fenbrook Institution - Firing Range & Training Building. Section 072000, division 2.1.4. (acoustic insulation) lists a minimum density requirement. There a various papers by the National Research Council of Canada that clearly state density of the insulation does not influence the STC rating of

the wall assembly. Therefore, listing the density of acoustic insulation only allows the contractor to install Roxul mineral wool insulation as its density is much higher than our company's insulation (our company's acoustic insulation is 1/2 the cost of Roxul acoustic insulation, huge savings). To maintain the generic specification the minimum density requirement should be removed from this and the master specification to allow all insulation manufacturers products to be used.

Response 90: Product of lower density may be accepted upon confirmation by submitted product literature and product test results that its performance characteristics are equivalent to those of 40 kg/m³ mineral fibre batt insulation.

Question 91: For the alterations, and the build of the new training building and firing range, how are you sourcing the products for the security of these facilities?

Response 91: Extend existing facility security systems required.

Question 92: Will this be a 3P project and if so will you be providing a list of preferred vendors to supply the required equipment?

Response 92: It is not a 3P project.

Question 93: Item 1.7 Section 01 11 00 - Summary of Work states "Departmental Representative has placed orders with suppliers for specific products and work to expedite the Work and for the purposes in Owner's interests." What particular products has been pre-ordered and are we going to carry a cost for these pre-ordered products. Please clarify.

Response 93: There are not any pre-ordered products. Revised by Addendum No.03.

Question 94: Will we be able to visit the site to inspect P10 + P11?

Response 94: Yes, at the mandatory site tour which was scheduled on January 8th.

All other terms and conditions remain the same.

End of Amendment No. 6.