

Public Works and Government Services Canada	Morden, Manitoba, Agriculture and Agri-Food Canada, Morden Research and Development Centre, Greenhouse Extension	Addendum No. 1 Page 1 of 2
Project No.: R.076333.001		August 11, 2016

The following changes to the tender documents are effective immediately and will form part of the contract documents:

1. Building Permit Fee

1. The building permit will be drawn by the Owner and the Owner will pay the building permit fee. Bidder should not include the costs for the building permit in the bid.

2. Building Area

1. Reference Drawing A02 – Architectural Main Floor Plan, Building Code Analysis:
 - a. Under 'Building Area - Greenhouse Exp', replace "194 SQ. M." with "178.4 SQ. M."

3. Lay Down Area

1. The grassed area identified as 'Future Greenhouse' to the East of the existing greenhouse can be used by the contractor as a staging and lay down area. Contractor will be responsible for restoring the grassed area to its pre-construction condition upon completion of the project. A gravel parking area to the east of the greenhouse and south of the existing road is also available as a staging and lay down area. Bidder will be responsible for restoring the gravel area to the pre-construction condition upon completion of the project. Coordinate the use of the lay down area with the Facility Manager.

4. Security

1. Reference Specification Section 01 14 00 – Work Restrictions:
 - a. Delete sentence 1.6.2 and replace with "AAFC will provide an escort for all contractors on site and contractors will not be required to be security cleared".

5. Greenhouse Manufacturer

1. The contract documents do not specify a specific greenhouse manufacturer. The greenhouse specification is performance based and the bidder can select any greenhouse manufacturer that can supply a greenhouse to meet the performance specifications.

6. Electrical Panel Supply

1. All of the electrical, power and control panels are to be included in the bid. There are no panels that are 'by others'. Bidder to clarify the scope of supply of the panels with their subtrades.

7. Concrete Slab Saw Cuts

1. Reference Drawing S02 – Main Floor Framing Plan:
 - a. Concrete slab saw cuts shall be location along gridlines GK, GL, G4 and G5. Sawcuts shall be 3mm wide and 25mm deep and sealed with a polyurethane sealant.

8. Data/Voice Outlet

1. Reference Drawing E04 – Main Floor Plan – New Construction – Systems Layout:
 - a. Supply and install a duplex data/voice receptacle in the hallway of the new greenhouse extension. Provide 2 CAT6 cables routed back to main electrical room in existing Header House. Terminate cables to receptacle and existing patch panel in wall mounted LAN cabinet on west wall of main electrical room. Route cable in conduit in greenhouse and above ceiling tile in header house. New receptacle to have a weather resistant cover (match existing greenhouse data/voice receptacle).

9. Greenhouse Benches

1. Reference Specification Section 13 34 13 Paragraph 2.10 – Benches:
 - a. Delete Sentence 1. "Provide benches as per drawings. Benches to have 4 legs, 8 adjustable feet, be 780 mm, adjustable to 610 mm in height to the bench mesh top and to be adequately braced for stability with a full crop load. Legs to be spaced to meet loading and deflection criteria and not more than 2100mm apart." and replace with: "Provide benches as per drawings. Benches to have 4 legs, 8 adjustable feet, be 760 mm, adjustable

to 610 mm in height to the bench mesh top and to be adequately braced for stability with a full crop load. Legs to be spaced to meet loading and deflection criteria and not more than 2100mm apart."

- b. Delete Sentence 3. "Edge rail: 90mm minimum in overall height above bench top, to accept ebb and flow tray liners, of extruded aluminum. Junction of edge rails to be rounded." and replace with: "Edge rail: 25mm minimum in overall height above bench top, to accept ebb and flow tray liners, of extruded aluminum. Junction of edge rails to be rounded."

10. Greenhouse Lighting Supports

1. Reference Specification Section 13 34 13 Paragraph 2.15 – Lighting Supports:
 - a. Delete Sentence 1.2. "Size light strings to carry 2 x 4' and 6 x 8' supplemental lighting fixtures over each bench." and replace with: "Size light strings to carry 2 x 4' and 4 x 8' supplemental lighting fixtures over each bench."

11. Software – Greenhouse Control

1. Reference Specification Section 13 34 14 Paragraph 2.3 – Software – Greenhouse Control:
 - a. Add the following: "Control requirements for PPF fans and NPF fans: PPF are to reduce %HR when required and also to provide some cooling. NPF need to be interlock with PPF, so that when users need negative pressure for 0 to 60 minutes (adjustable) during and after pesticide application, the PPF stop and the NPF start, until the NPF stop again, returning to the regular PPF functioning requirements."

12. Spare Parts

1. Specification Section 13 34 13 Paragraph 2.16:
 - a. Add Paragraph 2.16.2.12: "Supply a mix of 50/50 3000K and 6000K lamps and install where directed."
 - b. Add Paragraph 2.16.2.13: "Supply 1 box of 24 – 4' T5HO 3000K plus 1 box of 24 – 4' T5 HO 6000K spare lamps."

END OF ADDENDUM NO. 1