



PROJECT SUMMARY

- Project** Agriculture and Agri-Food Canada, Ste-Foy, Qc Canada.
- Description** Construction of a new research greenhouse complex. 4 800 sq.ft of greenhouses, in 8 research zones and 1 corridor. A frame type structure with tempered glass glazing, radiant heating, natural and forced ventilation, negative and positive pressure fans, humidification system, rain simulators, high intensity supplementary lighting with movable lighting canopies, shade and light spillage curtains.
- Completion Date** 2018
- Construction Value** \$ 3,900,000



- Role** Greenhouse specialist for the Research greenhouse, responsible for the programming phase, for the design services for the greenhouse structure, greenhouse systems, lighting, mechanical and electrical work and greenhouse computer control system. Complete greenhouse design, drawings and specifications. Coordination with Architects and MEP engineers of the main building. Construction phase services included shop drawing review, site meetings. Greenhouse verifications.

Design Challenges

Complete basement underneath the greenhouse corridor
Vertical and horizontal curtains to prevent supplemental light spillage,
due to very close residences.

High intensity supplemental light system, with movable canopies



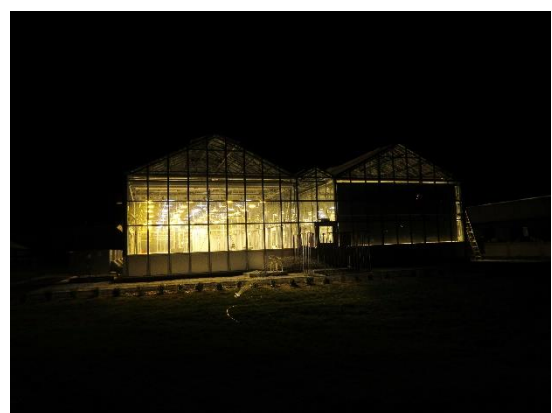
New greenhouses



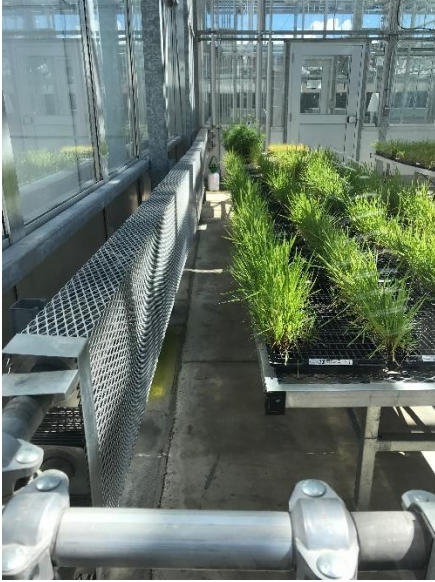
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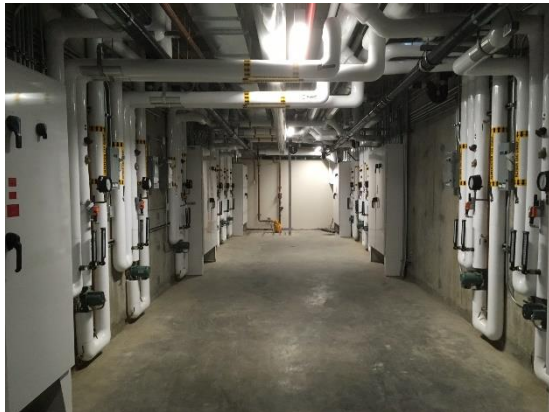
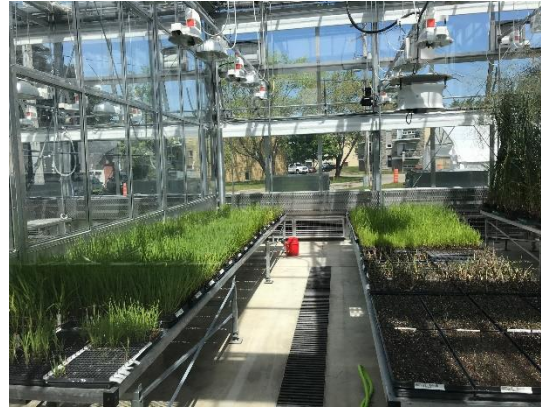
High intensity lighting system



High intensity lighting system



Inside of the greenhouse space



Control panels in basement



Heating mixing groups in basement

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References For any additional information, please contact
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