Part 1 General

1.1 ADDENDUM FORM

.1 This Addendum forms part of the Contract Documents and modifies the Bidding Documents with amendments and additions noted below.

No.	Drawing Title	Issue Date
Appendix D	Fish Lab Renovations, Bedford Institute of Oceanography, Dartmouth, Nova Scotia - Geotechnical Investigation	Nov 13, 2020
Appendix E	Geotechnical Investigation – Interior Test Pit Investigation - Fish Lab Renovations, Bedford Institute of Oceanography, Dartmouth, NS	May 4, 2021
Appendix F	Temporary Heating Equipment Plan and Quote	October 19, 2021

1.2 CHANGES TO THE PROJECT MANUAL

.1 SECTION 00 01 10

.1 Add to Appendices:

.1 FISH LAB RENOVATIONS, BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH, NOVA SCOTIA - Geotechnical Investigation - November 13, 2020 . . . 29 (pages).

.2 Geotechnical Investigation – Interior Test Pit Investigation - Fish Lab Renovations, Bedford Institute of Oceanography, Dartmouth, NS . . . 9 (pages)

.3 Temporary Heating Equipment Plan and Quote . . . 2 (pages)

.2 SECTION 01 51 00

.1 Add the following to 1.4 Temporary Heating and Ventilation:

.9 Heat sources for the building have been disconnected as part of previous demolition work. To protect the building from freezing, PSPC has installed temporary natural gas heaters to heat the Fish Lab building. Please note the following:

.1 A plan is provided in Appendix F illustrating the new natural gas piping that is being added off of the existing rooftop natural gas pipe. The plan also indicates the approximate location of the two heaters. The heaters have been positioned on the exterior of the building with ducts to distribute the warm air inside the building. Arrows indicate the direction of planned heat distribution.

.2 The units will be operational at the time that the successful bidder is awarded the Contract. As of the date of the Contract, the Contractor may choose to take over all responsibility for the currently installed temporary heat including monthly payments of the equipment rental, care and maintenance of the units, liability for, adjustments required to the setup, and return of the units at the end of the season. The Contractor is required to coordinate these arrangements with the rental company and PSPC. Alternatively, the contractor may choose to fulfill the Contractual requirements for heating and ventilation by other means.

.3 A quote has been provided in Appendix F for cost planning purposes.

.4 The cost of Natural Gas for this season and any future seasons of temporary heat will be paid for by PSPC.

.5 Any modifications or additions to the temporary heat shall be determined by and paid for by the Contractor.

.3 SECTION 07 42 13.19

.1 **Revise** 2.3.1.2 as follows:

.1 Exterior face: Shadowline or flat.

.2 Interior face: Shadowline or flat.

.4 SECTION 13 15 00

.1 Refer to 2.3.2

.1 **Delete** requirement for NSF 61 certification.

.5 SECTION 26 26 00

.1 **Revise** 2.2.3 as follows:

.3 Mounting system shall be non-penetrating pre-manufactured concrete ballast designed for racking system. The ballasted solar panel system shall not exceed a dead load of 0.35kPa. Provide pre- attached and un-attached roof protection mats to separate racking system from roofing membranes. Mats shall be suitable for installation on two-ply modified-bitumen cap sheet. Provide submittals including ballast calculations, system weight, and roof uplift loading (wind uplift) stamped by a Professional Engineer licensed in Nova Scotia for review.

.6 SECTION 28 23 00

.1 **Delete** 2.7. A KVM switch is not required.

.7 APPENDIX

.1 **Add** "Appendix D - Fish Lab Renovations, Bedford Institute Of Oceanography, Dartmouth, Nova Scotia - Geotechnical Investigation - November 13, 2020" (attached)

.2 **Add** "Appendix E - Geotechnical Investigation – Interior Test Pit Investigation - Fish Lab Renovations, Bedford Institute of Oceanography, Dartmouth, NS – May 4, 2021" (attached)

.3 **Add** "Appendix F – Temporary Heating Plan and Quote – October 19, 2021" (attached)

1.3 CHANGES TO DRAWINGS

.1 DRAWING S01.3

.1 **Delete** requirement for Aluminum Pipe Support for photovoltaic array (detail 306/S02.4). A ballasted system is acceptable.

.2 DRAWING S04.1

.1 Refer to detail 401:

.1 **Add** the following:

.1 Note: Cap plate connection to be field welded or shop welded.

.3 DRAWING A00.1

.1 Refer to Floor Types F1 – Concrete Slab on Grade

.1 **Revise** – "Granular Fill (Refer to Structural)" to "Granular Fill (Refer to Geotechnical Report for Requirements)".

.2 Revise Wall Type E3A as follows:

.1 **E3A – ACP AND IMP OVER CONCRETE MASONRY WITH EXTERIOR FURRING**
- ALUMINUM COMPOSITE PANEL
- AIR SPACE / ACP ATTACHMENT EXTRUSION
- 50mm HORIZONTAL Z-GIRT FURRING
- 102mm VERTICAL INSULATED METAL PANEL WITH INTEGRATED FURRING
- *190mm CONCRETE MASONRY UNITS*

.4 DRAWING A01.1

.1 **Revise** Demolition Notes as follows:

38. Existing gradebeam. Sawcut and remove portion beam between gridlines 5 & 6, 6 & 7, and 7 & 8 leaving 600mm of gradebeam from center of column/gridline out to remain. Sawcut and remove 150mm of top of remaining portions of gradebeams (including gradebeam on gridline 5) to allow for new floor slab to be poured/installed over. Maintain baseplate condition of affected columns.

41. Existing trench, guard rail, and sprinkler tree (refer to mechanical).

Sawcut and remove concrete trench drain 750W x 4000L to north of this area along gridline 8.

.5 DRAWING A01.2

.1 **Revise** Demolition Notes as follows:

3. Remove metal cladding, insulation, and metal stud framing. Refer to wall sections and details for existing secondary structural framing removals.

.6 DRAWING A01.4

.1 **Revise** Demolition Notes as follows:

1. Remove metal cladding and insulation. Existing secondary framing to remain.

.7 DRAWING A01.6

.1 **Revise** note on section 2 as follows:

First floor note (above 4191) to be revised from “Existing exposed steel studs” to “Demolish existing steel studs full height”.

END OF ADDENDUM