

July 25th, 2013
Addendum # 1 to:
LU 13-003
Construction of Nanabijou
Day Care Centre

This is addendum # 1 issued to Lakehead University Request LU13-003 for the construction of the Nanabijou Day Care Centre on the Thunder Bay Campus

**Please note Close Date and Time
Remains at;
Wednesday August 14th, 2013, at 3:00:00PM EDT.**

This addendum forms part of the complete Tender Document Package. The revisions, clarifications and approved equivalents form part of the Contract Document Set. This addendum is issued to:

- 1) Revise the project specifications documentation as follows:
 - a. Replace Section 00 00 00 Table of Contents, with Section 00 00 00 R1, see attached.
 - b. Replace Section 00 00 01 List of Drawings, with Section 00 00 01 R1, see attached.
 - c. Section 00 21 13 Instruction to Bidders, article 1.4.3.4 is revised to add the following [additional drawing viewing location]:

“Winnipeg Construction Association,
1447 Waverley Street,
Winnipeg, Manitoba
R3T 0P7,
Ph (204) 775-8664
Fax (204) 783-6446”

- d. Replace Section 06 10 00 Rough Carpentry with Section 06 10 00 R1, see attached [removal of Forestry Stewardship Council requirements].
- e. Section 07 21 13 Board Insulation, article 2.1.1.1 is revised to read the following:
 - “To CAN/ULC S701, Type: 3, rigid closed cell type with high density skin”
- f. Section 07 21 13 Board Insulation, article 2.1.1.2 is revised to read the following:
 - “Compressive strength: to ASTM D1621, minimum 20 Psi.”
- g. Section 07 21 13 Board Insulation, article 2.1.3.1 is revised to read the following:
 - “To CAN/ULC S701, Type: 3, rigid closed cell type with high density skin”
- h. Section 07 21 13 Board Insulation, article 2.1.3.2 is revised to read the following:
 - “Compressive strength: to ASTM D1621, minimum 20 Psi.”
- i. Section 07 42 00 Exterior Wall Cladding, article 2.2.2.1 is revised to read the following:
 - “Assume 4 colours in the following amounts:
 - .1 Colour 1: Bianco
 - .1 QTY: 91% of panels
 - .2 Colour 2: Ivory
 - .1 QTY: 3% of panels
 - .3 Colour 3: Silvergrey
 - .1 QTY: 3% of panels
 - .4 Colour 4: Venice Green
 - .1 QTY: 3% of panels”
- j. Section 07 42 00 Exterior Wall Cladding, article 3.3.3.2 is revised to read the following:
 - “All spacing of OKO Skin planks to be 1/4” on all sides.”
- k. Section 07 71 00 Roof Specialties is added to the specifications document [stack jack], see attached.
- l. Section 08 62 23 Tubular Skylights, article 1.5.1 is removed from document [motor operator for skylight].

m. Add to Section 08 70 05 Cabinet and Miscellaneous Hardware, article 2.1.2.12 to read:

“Stand-off spacer:

.1 CR Laurence ½” Standoff display system

.1 Product: CRL 316 brushed stainless ½” diameter standoff cap assembly, catalog# CAP12BS

.2 Product: CRL 316 brushed stainless ½” diameter by ¼” long standoff base; catalog# S0B1214BS

.3 Product: CRL Zinc 1” Long Hanger Bolt for 1/2” Standoffs, catalog# HB10241Z

n. Section 09 51 00 Acoustical Ceilings, article 2.1.1.7 is revised to read the following:

“Light Reflectance (LR): ASTM E 1477; White Panel: Light Reflectance: minimum 0.80.”

o. Section 11 40 00 Food Service Equipment, article 3.5.2.3 is revised to read the following:

“Counter: Stainless Steel.”

p. Replace Section 33 46 13 Foundation Drainage, with Section 33 46 13 R1, see attached [revised foundation drainage outlet location].

2) The following drawings have been revised and appended to this document. These attached drawings supersede those in the original tender package.

- a. A100r1: Drawing revised to reflect configuration of new sanitary piping. Existing roadway to be patched and made good and adjacent infrastructure to be protected for duration of construction.
- b. A102r1: Drawing revised to clarify exterior wall types and include additional concrete at sloped walkway.
- c. A151r1: Drawing revised to reflect soffit panel joint configurations, updated soffit lighting locations and new bulkhead and additional valance lighting at Cubby Room #110. Note: Detail 8/A505 is no longer used.
- d. A302r1: Drawing revised to reflect new configuration of art display units – refer to details 2 and 3.
- e. A502r1: Revised to incorporate new flashing details and guard detail.

- f. A503r1: Revised to incorporate new flashing details and provide new cricket detail at skylight.
 - g. A504r1: Revised to reflect updated guard details.
 - h. A901r1: Updated Room Finish Schedule to reflect new paint colours.
 - i. A903r1: Updated Window Schedule to reflect new dimensions.
- 3) All 'CU5' Storage Cubby Units are to be supplied by Owner. Contractor to refinish (to match new storage cubbies) and install on site. See details 3/A121, 5/A121 and 3/A122. Detail 3/A804 is no longer used.
 - 4) All A5-series drawings: All fibre-reinforced cementitious exterior wall cladding to be installed with 1/4" horizontal and vertical gaps between the panels.
 - 5) New Drawing AD1.101 has been added to clarify rooftop mechanical deck layout.
 - 6) New Drawing AD1.501 has been added to enhance section detail information at roof penetrations and mechanical deck.
 - 7) New Drawing AD1.502 has been added to supersede section detail 1/A501 and plan detail 5/A505.
 - 8) New Drawing AD1.503 has been added to enhance section detail information.
 - 9) New Drawing AD1.701 has been added to supersede detail 12/A703.
 - 10) New Drawing AD1.801 has been added to supersede details 14/A801 and 6/A802.
 - 11) New Drawing AD1.802 has been added to supersede details 6/A804 and 7/A804.
 - 12) New Drawing AD1.901 has been added to supersede elevation of door frame type FT-15.
 - 13) New Drawings AD1.951 and AD1.952 have been added to show location and extent of updated paint colours.
 - 14) Structural Changes:
 - a. New Structural description for mechanical equipment curbs on roof:
"The Contractor is to supply a mechanical roof curb to support the AHU roof top unit, as shown on the mechanical drawings (approx. size 16'-0"x5'-8")."

Supply 2x6 pressure-treated wood framed walls (studs to be 16" on center), with double 2x8 roof joists at 24" on center (span 5'-8"). Double the 2x8 joists on either side of the mechanical openings, transverse framing to be 2x6 where required and hung using Simpson Strong Tie hangers. Provide 5/8" fibreglass mat-faced, exterior-grade, G.W.B. sheathing and insulate mechanical stud space with fibreglass-batt insulation (min. R20)."

-and-

"The Contractor is to supply a mechanical roof curb to support the HRV roof top unit, as shown on the mechanical drawings (approx. size 4'-2" x 6'-7"). Supply 2x6 walls, at 16" on center, with 2x8 roof joists at 16" on center (span 4'-2"). Double the 2x8 joists on either side of the mechanical openings, transverse framing to be 2x6 where required and hung using Simpson Strong Tie hangers. Provide 5/8" fibreglass mat-faced, exterior-grade, G.W.B. sheathing and insulate mechanical stud space with fibreglass-batt insulation (min. R20)."

- b. Revision of Glulam columns at grid references A-1 and A-10 to vertical. New connection details for A-1 & A-10 glulam columns as well as new locations for glulam columns at grid references A-2 & A-9. Refer to attached drawing 'SSK01'.
- c. Revised truss profile for wooden trusses located between grids 1 & 2 and between grids 9 & 10. Refer to attached drawing 'SSK02'.

15) Mechanical Changes:

- a. Drawing M04.00 Rev. 0: Revise mechanical ductwork along wall between classrooms 119 and 122 as per attached drawing 'MSK01'.
- b. Drawing M04.00 Rev. 0: Revise "Partial Roof/Truss Plan" detail as per attached drawing 'MSK02'.

16) Electrical Changes:

- a. Drawing E04.00 Rev. 0: Fluorescent 2' x 4' troffer luminaires, type F6, located in Room 114 shall be changed to LED 2' x 2' troffer, type F5. Location of luminaires shall remain as indicated on drawing.
- b. Drawing E04.00 Rev. 0: Light switch for Room 114 shall be changed to a dimmer switch compatible with the LED luminaires and shall match the dimmer switch located in Room 115.

17) Electrical Clarification: Drawing E06.00 Rev. 0: Interrupt rating for electrical distribution equipment shall be 18KA.

- 18) Provide feedback to requests for alternates received up to July 22nd, 2013:
- a. Specification Section 06 16 43 – Gypsum Sheathing:
Specified product: ½” DensGlass Sheathing by Georgia-Pacific Gypsum (or approved equal).
Approved alternate product: ½” GlasRoc Sheathing by CertainTeed Gypsum Canada, Inc.
 - b. Specification Section 06 16 43 – Gypsum Sheathing:
Specified product: 5/8” DensGlass Fireguard Sheathing by Georgia-Pacific Gypsum (or approved equal).
Approved alternate product: 5/8” GlasRoc Sheathing Type X by CertainTeed Gypsum Canada, Inc.
 - c. Specification Section 06 16 63 – Cementitious Sheathing:
Specified product: ½” Durock cement board by United States Gypsum Company (or approved equal).
Approved alternate product: ½” Permabase cement board by Unifix, Inc.
 - d. Specification Section 07 21 13 – Board Insulation:
Specified product: Foamular 200 & 300 XPS, Type 3 & 4, as manufactured by Owens Corning (or approved equal)
Approved alternate product: Cavitymate/Styrospan/Styrofoam SM, Type 3 & 4, as manufactured by Dow Chemical.
 - e. Specification Section 07 21 16 – Blanket Insulation:
Specified product: EcoTouch Pink Fibreglas (unfaced blanket thermal insulation) as manufactured by Owens Corning.
Approved alternate product: Sustainable Insulation Fibre Glass Building Insulation as manufactured by CertainTeed Insulation Canada, Inc.
 - f. Specification Section 07 21 16 – Blanket Insulation:
Specified product: EcoTouch QuietZone Pink Fibreglas (pre-formed, unfaced, fibre batt acoustic insulation) as manufactured by Owens Corning.
Approved alternate product: Sustainable Insulation NoiseReducer Sound Attenuation Batts as manufactured by CertainTeed Insulation Canada, Inc.
 - g. Specification Section 08 54 13 – Fiberglass Windows
Specified product (basis of design): 325 Series Fiberglass Windows as manufactured by Duxton Windows.
Proposed alternate product: 2100 Series Fiberglass Windows as manufactured by Silex Fiberglass Windows & Doors. We are unable to approve at this time due to insufficient data regarding window profile.

- h. Specification Section 09 21 16 – Gypsum Board Assemblies:
 Specified product: Fiberock Abuse Resistant VH1 Interior Gypsum Panels as manufactured by United States Gypsum Company, Inc.
 Approved alternate product: AirRenew Extreme Impact Resistant Gypsum Board with M2Tech as manufactured by CertainTeed Insulation Canada, Inc.

- i. Specification Section 09 21 16 – Gypsum Board Assemblies:
 Specified product: Sheetrock Brand MoldTough moisture and mold resistant gypsum panels as manufactured by United States Gypsum Company, Inc.
 Approved alternate product: M2Tech Moisture and Mold Resistant Gypsum Board as manufactured by CertainTeed Gypsum Canada, Inc.

- j. Specification Section 09 21 16 – Gypsum Board Assemblies:
 Specified product: Dens Deck Glas Mat Roof Board as manufactured by Georgia-Pacific Gypsum (or approved equal).
 Approved alternate product: Securock Glass-Mat Roof Board as manufactured by CGC Inc.

k. Electrical Drawing E05.00 – LIFE-SAFETY, RISER AND SCHEDULES:

Type:	Specified product:	Approved alternate product:
E1	Emergi-lite 123 ESL	Lumacell RG12S-DR
E2	Emergi-lite EF9	Lumacell MQM
X1	Emergi-lite Premier Series	Lumacell Grande Series
X2	Emergi-lite Premier Series	Lumacell Grande Series