

ADDENDUM NUMBER: TWO (02)

ADDENDUM DATE: March 21, 2016

ISSUED BY: SEPW Architecture Inc.
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PROJECT: New Modular Police Building and Employee Housing
Black Lake, Saskatchewan

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications dated 2015-12-04, previous Addenda if applicable and as noted below. This Addendum consists of 9 pages.

Ensure that all parties are aware of all items included in this Addendum.

The following revised or additional Drawings accompany and form an integral part of this Addendum:

Dwg. No.	Title	Date of Issue
M1.3-R01	Black Lake Site Plan Fuel Oil Storage Tank	2016/03/21
Specification Section No.		

ARCHITECTURAL

A-2-1 ARCHITECTURAL REQUESTS FOR EQUALS

- .1 Suppliers of approved products are responsible to ensure that the following approved equals fully meet the requirements of the specifications, and that the approved equals do not diminish both the grade of product and appearance to those products specified. The following manufacturers and products listed shall be considered as approved equals to the specified products:

Specification Section	Specified Product	Approved Equivalent
Section 09 65 16 RSSF	Polyflor Polysafe Verona	Altro Suprema
Section 09 65 16 RHF	Polyflor Polysafe Hydro Evolve	Tarkett Granit Multisafe raised nibs
Section 09 84 00	Revised this addendum: Armstrong Soundsoak Custom	Decoustics HIR-1
Section 10 26 00	Polyflor Polyclad Pro PU	Tarkett Wallgard
Section 10 56 00 General Storage Cabinets	Not specified – performance only.	TAB Heavy Duty Plus
Section 10 56 00 Metal Shelving	Not specified – performance only.	TAB Heavy Duty Plus

A-2-2 GENERAL QUESTIONS

- .1 **Q:** Will an alternate to TPO roofing be considered?
A: An alternate to TPO roofing will not be considered.
- .2 **Q:** "...regarding the storage units indicated on the special storage legend as STG7 and STG8. I couldn't seem to find those two units indicated on the floor plan."
A: STG7 and STG8 units are not required.
- .3 **Q:** Housing drawings indicate Melamine fronts on cabinets drawn with 5 pc. With melamine exterior finish. Specs are 5 pc Oak shaker door. Can you advise which we should follow?
A: See clarification this addendum.
- .4 **Q:** Please clarify: Section Storage Assembly 10 56 00 – Metal Shelving 2.3.5 Base Plates – Do you require front base on all STG1, STG5, STG7, STG8, STG9 shelving units in all rooms? If so what height (2" or 4")?
A: STG7 and STG 8 units are not being utilized on this project. Base plates are required as specified on all other units. Utilize maximum 100 mm high (4") base plate.
- .5 **Q:** Please clarify: Section Storage Assembly 10 56 00 – Metal Shelving 2.3.4 Back panels – Do you require back panels on all STG1, STG5, STG7, STG8, STG9 shelving units in all rooms?
A: STG7 and STG8 are not being utilized for this project. Back panels are required as specified.

- .6 **Q:** The fencing notes on drawing A1.1 mention “no barbed wire” while the details on 1/A1.2 show barbed wire. Please advise which one is correct.
A: Both indications are both correct as they refer to different locations and heights of fencing. Refer to A1.1 for specific reference to fencing in specific locations. Barbed wire is required around generator and gas tank enclosure. See this addendum for further clarification.
- .7 **Q:** The spec mentions that the building permit is by the contractor. As this is on a first nation reserve land, is a building permit required?
A: We currently understand that there is no requirement for a building permit, however, the contractor is required to verify with the Band and pay for a permit should one be required. Refer to Section 01 11 00.
- .8 **Q:** Roof types show steel mesh for all modules. Please clarify this is the intent.
A: Steel mesh is required in certain roof types. Refer to the Roof Type Schedule on drawing A0.2 and module reflected ceiling plans for locations.
- .9 **Q:** Site plan shows what looks like curbs and or sidewalks, but don’t see a detail for same. Are there sidewalks and curbs required?
A: Curbs and sidewalks are not required. Refer to the drawings for other concrete structures that are required.

A-2-3 REF. SECTION 06 40 00 ARCHITECTURAL WOODWORK

- .1 **Revise:** 2.2.1 to read “H1: Hardwood. Solid maple, clear finish (S1). **Refer to drawings for sizes.** Refer to section 09 91 23 – Interior Painting.”
.2 **Revise:** 2.2.2 to read “H2: Hardwood. Solid oak, stain to match residential casework (S2). **19x89mm ht.** Refer to section 09 91 23 – Interior Painting.”

A-2-4 REF. SECTION 09 21 16 GYPSUM BOARD ASSEMBLIES

- .1 **Add:** 1.1.5 Section 09 84 00 – Acoustic Treatment

A-2-5 REF. SECTION 09 84 00 ACOUSTIC TREATMENT

- .1 **Revise:** 2.2.1.2. to read “Panel core: medium density fibreglass.”
.2 **Revise:** 2.2.1.3 to read “Thickness: min. 28mm with high impact underlay.”
.3 **Revise:** 2.2.1.6. to read “Fabric: “Easy Clean Vinyl or Xorel Fabric meeting flame spread of 25 or less when tested to CAN/ULC S102. .1 Colour selected from manufacturer’s standard range of colours.”
.4 **Revise:** 2.2.8.1 to read “Armstrong Soundsoak Custom”
.5 **Add:** 3.1.9 Once installed panels are not to be removable without use of proprietary tools.

A-2-6 REF. SECTION 10 56 00 STORAGE ASSEMBLIES

- .1 **Delete:** reference to STG7 and STG8, Part 2.3.
.2 **Revise:** 2.3.7.2 to read “Shelf dimensions: 48 inch wide by **18 inches deep:** minimum load capacity 315 pounds.”

A-2-7 REF. SECTION 13 42 00 BUILDING MODULES

- .1 **Delete:** Part 1.4. There is no requirement for the General Contractor and modular builder (Subcontractor) to enter into a short term lease agreement with the Owner.

A-2-8 REF. SECTION 32 31 13 CHAIN LINK FENCES AND GATES

- .1 **Add:** Part 1.4 SECTION INCLUDES:
- .1 Fence framework, fabric, and accessories.
 - .2 Excavation for post bases; concrete foundation for posts.
 - .3 Manual gates and related hardware.
- .2 **Add:** Part 1.5 RELATED REQUIREMENTS:
- .1 Division 1 – General Requirements
 - .2 Section 03 30 00 – Cast-In-Place Concrete
- .3 **Add:** Part 1.6 REFERENCES. 1.4.1 Reference Standards.
- .1 ASTM A116 - Zinc-Coated (Galvanized) Steel Woven Wire Fence Fabric.
 - .2 ASTM A121 - Zinc-Coated (Galvanized) Steel Barbed Wire.
ASTM A123 - Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products.
 - .3 ASTM A153 - Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - .4 ASTM A392 - Zinc-Coated Steel Chain-Link Fence Fabric.
 - .5 ASTM F567 - Installation of Chain-Link Fence.
 - .7 ASTM F669 - Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence.
- .4 **Add:** Part 2.1.9. Provide 300mm high line post bar arm (refer to drawings for orientation) complete with three (3) wires of double-strand 12.5 ga. four-point electro-galvanized barbed wire where indicated on drawings.

A-2-9 REF. DWG. A1.2 SITE DETAILS, Details 1 and 2

- .1 **Detail 1.** Revise notes referring to barbed wire reading, “4-Strand ‘Canadian’ barbed wire at 45 degree angle” to read “Three wires of double-strand 12.5 ga. electro-galvanized four-point barbed wire typ. on 45 degree post bar arm (facing outward from gas tank enclosure).”
- .1 **Detail 2.** Revise note referring to barbed wire reading, “4-Strand “Canadian” barbed wire” to read “Three wires of double-strand 12.5 ga. electro-galvanized four-point barbed wire typ. on vertical post bar arms at gate.”

A-2-10 REF. DWG. A2.1 CRAWLSPACE FLOOR PLAN DETAILS

- .1 **Detail 2.** Revise note reading “38x89 PT Wood Framing at 300 o.c.” to “38x140 PT Wood Framing at 300 o.c.”.
- .2 **Detail 2.** Add General Note: “Rigid Insulation: RSI 4.8 (R27.5) minimum.”

- .3 **Detail 9.** Revise note reading “38x89 PT Wood Block, full height of panel, secured to perimeter skirt” to “38x140 PT Wood Block, full height of panel, secured to perimeter skirt”.

A-2-11 REF. DWG. A2.3 REFLECTED CEILING PLAN, Detail 1, Outbuilding 157

- .1 **Revise:** ceiling indication from “Exposed Wood Truss Structure” to “Gypsum Board Ceiling”.
- .2 **Revise:** electrical fixtures from “suspended” to “surface mounted”.

A-2-12 REF. DWG. A4.5 DETAILS, Detail 4

- .1 **Add:** 19 x 64 mm fire retardant battens c/w security fasteners similar to Detail 6/A4.7 over each suspension grid support. Refer to reflected ceiling plans.

A-2-13 REF. DWG. A9.4 HOUSING UNIT – INTERIOR ELEVATIONS MILLWORK DETAILS, Details 5 and 6

- .1 On all HU and HB series details delete note reading “Melamine on exposed cabinet edges and faces.” Refer to Section 12 35 00 Residential Casework for construction.
- .2 HB2, HU1, HB4: Delete note reading “Adjustable shelf 12.7mm thick.” Refer to Section 12 35 00 Residential Casework for thickness of shelving and construction.
- .3 Delete requirement for base cabinet HB6 at kitchen island. Install 75 mm dia Rondella chrome legs c/w floor levellers at each cantilevered corner of the island. Typical of four (4).
- .4 Install base H2 around full perimeter of kitchen island. Refer to Section 06 40 00 Architectural Woodwork.

STRUCTURAL

S-2-1 GENERAL QUESTIONS

- .1 **Q:** Structural drawings show dowel detail 2 on S1. There’s a discrepancy between dowel sizes, one dowel shows 15M dowels into bedrock, one shows 20M.
A: See clarification this addendum.

S-2-2 REF. DWG. S1, Detail 2

- .1 **Revise:** notes reading “4-15M dowels” to read “4-20M dowels.”

MECHANICAL

M-2-1 REF. SECTION 21 13 13 WET PIPE SPRINKLER SYSTEMS

- .1 **Revise:** Article 2.14.5 to read, “Provide standard water flow, valve alarm devices and main control valve. Provide trouble transmitters/sensors as required by code for complete central station electrical supervision of system by Fire Alarm Panel.”

M-2-2 REF. DWG. M1.3

- .1 Refer to Mechanical drawing M1.3-R01 attached for fuel oil piping.

M-2-3 REF. DWG. M3.1

- .1 Thermostat serving Roof Top Unit (RTU-1) to be located in Room 129 (at desk)
.2 Thermostat serving Roof Top Unit (RTU-2) to be located in Room 152.
.3 Thermostat serving Roof Top Unit (RTU-3) to be located in Room 107 (on east wall of room 156).
.4 Thermostat serving Roof Top Unit (RTU-4) to be located in Room 103.
.5 Thermostat serving Roof Top Unit (RTU-5) to be located in Room 126.
.6 All Roof Top Unit thermostats to be coordinated with Owner on site.
.7 Thermostats serving crawlspace unit heaters to be located as follows:
a. Unit Heater (UH-1) beside access door between 002 and 003
b. Unit Heater (UH-2) beside access door between 002 and 002 (grid line 6)
c. Unit Heater (UH-3) beside access door between 003 and 002
d. Unit Heater (UH-4) beside access door between 001 and 003

M-2-4 GENERAL QUESTIONS

- .1 **Q:** There are a few items in the specs/drawings that are no longer available. Are there designated substitutions for these?
- WATER HEATER – WH-1 - ELECTRIC - TANKLESS - 3000 WATT 120 VOLT - MODEL BRADFORD WHITE ES-3000-1-3-10 - SIZE 0.5 GALLON PER MINUTE. (NO LONGER AVAILABLE FROM BRADFORD WHITE CANADA)
- FAUCET – SINK SK-2 – TWO HANDLE WALLMOUNT – MODEL DELTA 28T6924 (MODEL 28T6924 IS NOT AN AVAILABLE MODEL - DISCONTINUED)
- SHOWER CABINET – SH-1 – MODEL MAAX SS42 (NOT A CANADIAN MAAX PRODUCT)
- A:** In accordance with Section 21 05 01 Article 1.23 Alternate Materials and Equipment, provide alternate materials that meet the specifications and are equivalent to the basis of design.
- .2 **Q:** To what point does SaskEnergy bring the gas line? I am assuming this will be up to the outdoor gas tank? Will there be a charge for this service? Is there a gas pipe layout available.
A: There is no SaskEnergy gas line. The outdoor tank is for vehicle fueling.
- .3 **Q:** Note on Drawing M2.1, all exposed piping to be cast iron. Is this the piping within the crawlspace as well?

A: Piping routing in the crawlspace is not considered exposed as this is a limited access service space like a ceiling plenum.

- .4 **Q:** Temporary heat will be needed, are we allowed to use the RTU's we will provide for temp heat or?

A: Refer to Division 1, Addendum 1 and Section 23 05 01 Use of HVAC Systems During Construction for the police building. Permission from the Departmental Representative would be required before any permanent system in the police building could be utilized for temporary heat.

ELECTRICAL

E-2-1 REF. SECTION 26 05 34 CONDUITS, CONDUIT FASTENINGS AND CONDUIT FITTINGS

- .1 As a clarification 'NMD' wiring is not allowed for the New Modular Police Building. This type of wiring is only allowed in the Employee Housing Units.

E-2-2 REF. SECTION 26 28 21 MOULDED CASE CIRCUIT BREAKERS

- .1 Provide Arc Fault circuit interrupter type breakers for all branch circuitry indicated on the drawings for receptacles shown with the suffix 'AF'.

E-2-3 REF. DWG. E4.1

- .1 All receptacles shown as 'WP' and 'GFI' shown on the roof plan shall be 5-20R type and shall have separate 20 amp circuits for each circuit shown. Circuit A17 shall be shared with two receptacles as shown. Revise breakers for circuits A15, C10, C12, C14 and C16 to 20 amp breakers

E-2-4 REF. DWG. E5.3

- .1 Revise power feeders for Panel 'B' from 4 #3 RWU90 & #8 GRND in 41mm C to be 4 #2 RWU90 & #6 GRND in 41mm C.

CIVIL

C-2-1 GENERAL QUESTIONS

- .1 **Q:** Drawings C3.0 notes 125mm surface gravel. Is there any other gravel underneath or just the native soil?
A: Native soil.
- .2 **Q:** What type of material is the fill used to build up the site around the RCMP building?
A: Fill material will be native fill from cut areas within the site. If fill requirements exceed cut volumes generated from other site excavation work, approved fill we need to be imported from off-site.

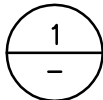
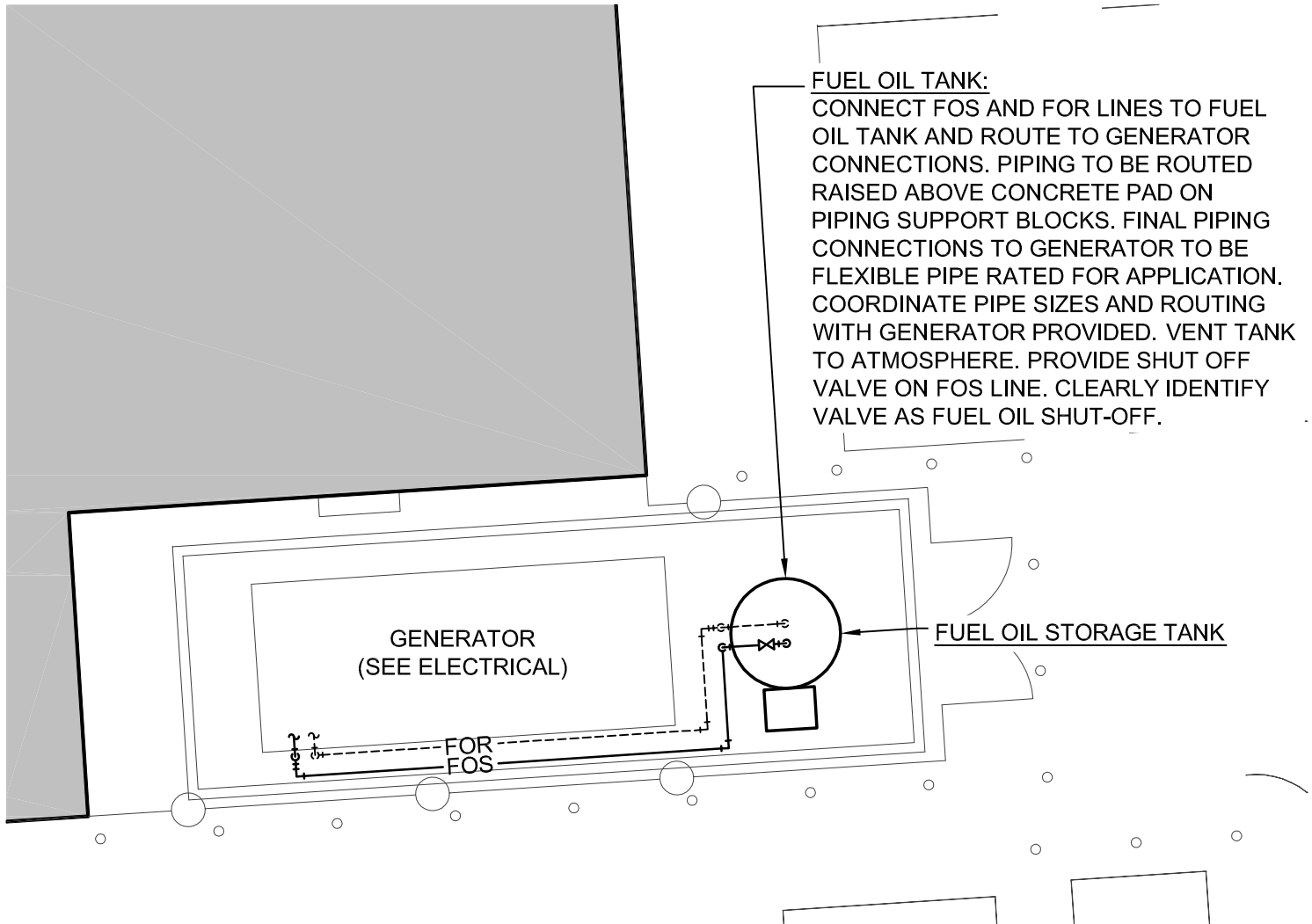
- .3 **Q:** Crushed granular is non-existent in Black Lake. Is the requirement to haul in a crusher to crush rock for granular?
 A: Geotechnical report requires crushed base course or traffic gravel. It is the general contractor's responsibility to provide granular meeting the requirements of the specification.

LANDSCAPE

L-2-1 GENERAL QUESTIONS

- .1 **Q:** Topsoil is essentially non-existent in Black Lake. For landscaping, what will be acceptable?
 A: Geotechnical Report indicates approximately 80 mm existing topsoil across the site, and specification Section 31 14 13 outlines topsoil stripping and stockpiling of this material. The Contractor is free to re-use existing stripped/stockpiled topsoil or imported topsoil, provided the material used meets criteria defined in specification section 32 91 19.

END OF ADDENDUM NO. 02



SITE PLAN

1:100



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**PROJECT NEW MODULAR POLICE BUILDING
 AND EMPLOYEE HOUSING
 BLACK LAKE, SASKATCHEWAN**

**SHEET TITLE BLACK LAKE SITE PLAN
 FUEL OIL STORAGE TANK**

DRAWING NUMBER

M1.3-R01

SCALE AS SHOWN FILE S-03-2014

DATE 2016/03/21 DRAWN CHK