ADDENDUM NUMBER: **THREE**

ISSUED BY: **SEPW Architecture Inc.**
109 – 3725 Pasqua St., Regina, SK. S4S 6W8
PH. (306) 569-2255

PROJECT: **NEW POLICE BUILDING**

MAIDSTONE, SASKATCHEWAN

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications dated 2014-12-08, previous Addenda if applicable and as noted below. This Addendum consists of 4 pages. Ensure that all parties are aware of all items included in this Addendum.

A-3-1 REF. SECTION 01 11 00 SUMMARY OF WORK

1. Add the following:

"**1.5 PERMITS AND FEES**

.1 The Contractor shall obtain and pay for all building permits. Obtain and pay for all other permits, licences, certificates, fees and governmental inspections or notices required for the performance of the work.
Note: Permit drawings are the property of the owner. Contractor to forward "approved" permit drawings and a copy of the building permit to the Departmental Representative prior to the submission of the first request for progress payment."

A-3-2 REF. SECTION 07 42 33 PHENOLIC WALL PANELS

1. Add to 2.1.1 Acceptable Manufacturers:
   1. "CladEx Max".
   2. "Abet Laminati MEG".

A-3-3 REF. SECTION 22 42 16 DOMESTIC WATER PIPING

1. Under 2.2.5, replace "Trap - Delta 33T311" with "Trap - Delta 33T360".

A-3-4 REF. SECTION 26 50 00 APPROVALS

1. For Fixture Type PL1 and PL2 - 30' square poles shall be 152mm square.

2. Specified fixture BB – Visioneering Corp MNE Series

3. Specified fixture CC – Visioneering Corp FIND Series

4. Specified fixture DD-4’ – Peerless Lighting BRM Series

5. Specified fixture DD-8’ – Peerless Lighting BRM Series

6. Specified fixture DD-12’ – Peerless Lighting BRM Series

7. Specified fixture DD2-4’ – Peerless Lighting BRW Series

8. Specified fixture DD2-8’ – Peerless Lighting BRW Series

9. Specified fixture HH – Visioneering Corp VRC Series

10. Specified fixture C – Acuity Brands LDN6 Series

11. Specified fixture D – Acuity Brands LDN6 Series

12. Specified fixture F – Acuity Brands LDN6 Series

13. Specified fixture G – Acuity Brands DSXW Series

14. Specified fixture H – Luminaire LED LVP Series

15. Specified fixture K – Acuity Brands 4BPMW Series

16. Specified fixture PL1-6” – FOXFAB Metal Works FSSS6 Series

17. Specified fixture PL2-6” – FOXFAB Metal Works FSSS6 Series

18. Specified fixture PL3 – Acuity Brands KBR8 LED Series

19. Specified fixture EM-MA – AimLite Corporation RG Series

20. Specified fixture EM-R2 – AimLite Corporation MQM Series

21. Specified fixture X1 – AimLite Corporation RPAL Series

22. Specified fixture X2 – AimLite Corporation RPAL Series

23. Specified fixture X3 – AimLite Corporation RPAL Series

A-3-5 REF. SECTION 26 23 00 – LOW VOLTAGE SWITCHBOARDS

.1 Revise Section 2.3.12 to add Siemens to approved manufacturers.

.2 An overcurrent coordination and Arc Flash study shall be provided.

A-3-6 REF. SECTION 26 09 24 – LOW VOLTAGE LIGHTING CONTROL DEVICES

.1 Revise Section 2.2.1 and 2.2.2 reference to ‘occupancy sensors’ to ‘occupancy / vacancy sensors’.

A-3-7 REF. SECTION 26 09 51 – CAR PARKING CONTROL

.1 Revise Section 2.1.16.2 Valid Manufacturing Ltd as an approved equal.

A-3-8 REF. DRAWING A2.4 LARGE SCALE PLANS

.1 Revise reference sheet on millwork details through millwork in room 150 from A6.2 to A6.3.

A-3-9 REF. DRAWING A3.3 BUILDING SECTIONS

.1 Revise 3 detail callouts on drawing 2/A3.3 on north wall as follows:

- Revise callout 2/A4.3 to 1/A4.3
- Revise callout 1/A4.3 to 2/A4.3
- Revise callout 2/A4.4 to 5/A4.3

A-3-10 REF. DRAWING A4.11 CELL DETAILS

.1 Add general note: “Finish concrete bunks to match wall finish”.

A-3-11 REF. DRAWING S2.1 LOWER ROOF PLAN

.1 Revise Fall Arrest Anchor note such that the force the anchor is required to resist in any direction is revised from 24kN to 22.2kN.

A-3-12 REF. DRAWING S2.2 UPPER ROOF PLAN

.1 Revise Fall Arrest Anchor note such that the force the anchor is required to resist in any direction is revised from 24kN to 22.2kN.

A-3-13 REF. DRAWING M1.1

.1 Under Equipment Schedule, replace “The design is based on the equipment listed here and noted in Equipment Schedule Tables. Refer to Section 23 05 00 for list of approved equivalent manufacturers, responsibilities when utilizing alternate equipment and process to apply for equivalent status.” With the following: “The design is based on the equipment listed here and noted in the Equipment Schedule Tables. Refer to Section 21 05 01 Article 1.24 for responsibilities when utilizing equipment that differs from the basis of design but still meets the design intent and the process to apply to use equipment that alters the design intent.”

.2 Add the following to Air Handling Unit Schedule, Air Handling Unit AHU-1: “Energy recovery is based on summer exhaust air of 23.9 Deg.C. DB (75 Deg.F.) / 17.2 Deg.C. WB (63 Deg.F.) and winter exhaust air of 21.7 Deg.C.

DB (72 Deg.F.) / 9.4 Deg.C. WB (48.9 Deg.F.). Energy recovery is based on summer outside air of 29.2 Deg.C. DB (84.6 Deg.F.) / 19 Deg.C. WB (66 Deg.F.) and winter outside air of -40 Deg.C. DB (-40 Deg.F.)"

.3 Under CU-1 and CU-2 replace the following: "Unit has two step compressors and two refrigerant circuits with hot gas bypass for load modulation on lead circuit." With ""Unit has two step compressors and two refrigerant circuits with a variable compressor on the lead circuit. It is permissible to utilize hot gas bypass for load modulation on lead circuit provided the Contractor includes all costs for modification to controls and additional piping, valves and accessories."

.4 Add the following to CU-1: "It is permissible to provide two - three ton condensing units in lieu of one two stage 6-ton unit. Contractor must ensure lead unit is complete with modulation control (hot gas by-pass and/or variable speed compressor) and that all costs associated with altering design intent are included in bid, which includes but is not limited to the alteration of controls, wiring, refrigerant piping, support, pipe insulation, access and walkway etc."

A-3-14 REF. DRAWING M6.2

.1 Add the following note to Liquid and Suction lines from CU-1 to AHU-1: "CU-1 and connected coil utilize two separate circuits (i.e. 2 liquid lines and 2 suction lines), drawings indicate routing but do not indicate both circuits for clarity. Contractor shall ensure supply and installation of both piping sets and all associated valving and accessories are included in price."

.2 Add the following note to Liquid and Suction lines from CU-2 to AHU-2: "CU-2 and connected coil utilize two separate circuits (i.e. 2 liquid lines and 2 suction lines), drawings indicate routing but do not indicate both circuits for clarity. Contractor shall ensure supply and installation of both piping sets and all associated valving and accessories are included in price."

A-3-15 REF. DRAWING E5

.1 Revise Panel 'D' to be complete with integral 100 amp main breaker.

A-3-16 REF. DRAWING E6

.1 The Owner's digital meter shall be capable of measuring and displaying the following:

- voltage and current for each phase and neutral
- Current demand—maximum per phase & neutral
- Voltage, per phase (L-L, L-N)
- Power, per phase, 3-ph total (kW, kVA, kVAR)
- Power factor, 3 phase total
- Power demand (kVARd, kWd) present & peak

- kWh, kVARh, kVAh
- Minimum/maximum readings, I, V, F, PF, THD, HZ
- THD, voltage and current per phase
- Voltage and current magnitudes and angles to the 63rd harmonic
- Configurable waveform disturbance sag/swell detection

.2 Provide TVSS into the main service switchboard. The maximum single impulse current rating shall be 120,000 amperes per phase. The surge protective device shall be equipped with a transient event surge counter shall be located on the front cover of the panelboard enclosure. The counter shall be equipped with a manual reset and a battery to retain memory upon loss of AC power. The unit shall be fed with a circuit breaker that shall permit disconnection of the device.

A-3-17 REF. ADDENDUM #1 – A-1-35 REF. DRAWING E7

.1 Revise .3 to read 'Provide a #6 bare copper bond to the antennae structure to ground grid below grade'.

A-3-18 REF. DRAWING L.2 IRRIGATION PLAN

.1 Add general note: "Provide 2 quick coupling valves: one in each of the west and east planting beds in locations that are easily accessible by maintenance personnel."

.2 Revise Detail 4/L.2 note "Fused Saddle" to "PVC tee or Brass Saddle".

A-3-19 REF. GENERAL QUESTIONS

.1 Q: Please provide clarification on the sheet metal roof colour & type of paint finish.
A: Refer to Section 07 61 00 2.2.1. Sheet metal roofing to be Galvalume finish, unpainted.

.2 Q: Regarding polished concrete floors: level of aggregate exposure and gloss levels.
A: Refer to Section 03 35 43 Polished Concrete.

.3 Q: Request for equals on Sheet Metal Roofing; proposed product: Schlebach Quadro Standing Seam System.
A: Documentation provided for proposed system indicates a site manufactured standing seam installed over solid wood decking. This is inconsistent with the designed roof assembly. The product will not be considered as an equal.

.4 Q: Request for equals on Rifle Lockers; proposed manufacturer: Datum Storage Solutions.

A: Dasco Storage Solution rifle locker is listed as the basis of design. A proposed locker would be deemed equal provided it meets the performance criteria identified.

.5 Q: Overall dimension of AHU-1 & AHU-2.
A: The unit utilized for the basis of design is shown on the drawings in both plan and elevation. The space available to install air systems is also shown on the drawings. For reference, the overall dimensions of the specified unit AHU-1 are 4623 mm (182") Long, 1169mm (46") Unit Wide, 1372 mm (54") width of O.D. of base rails, 1473mm (58") tall (includes rails). For reference, the overall dimensions of the specified unit AHU-2 are 6096 mm (240") Long, 2083mm (82") Unit Wide, 2286 mm (90") width of O.D. of base rails, 1473mm (58") tall (includes rails).

.6 Q: Contractor requested to utilize security fixtures that are not listed under Article 1.24 of Section 21 05 01 and Article 2.4 of Section 22 42 03 and Article 2.1.4 of Section 22 42 01.
A: As indicated under Article 1.24 of Section 21 05 01, the only acceptable products for security fixtures are those listed in the specifications.

.7 Q: The controller is positioned in a different part of the building than the water hook-up. Where will the wires for the controller exit the building? Will a conduit be run from the controller to the water hook-up location? Or will the wires exit the building at the controller location with a sleeve placed under the sidewalk to run them to the valves?
A: Control wires that are at grade are to be direct buried. Control wire inside the building must be in conduit. 3.5.4 references how wires are to be treated as they exit the building.

.8 Q: Confirm the primary commissioning agent is employed by the client/consultants and the GC and subs need only carry their specific commissioning agent.
A: Refer to Addendum 2 for clarification of roles of the commissioning authority and agent.

.9 Q: Confirm that the client/consultants or the contractor is to carry the expenses for site/material testing. Retesting is borne by the contractors only.
A: Refer to Section 01 45 00 Quality Control; all tests required by the contract documents or by law are to be furnished by the contractor.

END OF ADDENDUM NO. 3