

ADDENDUM NUMBER: ONE

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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 10 pages and attached Specifications and Attachments as listed below. Ensure that all parties are aware of all items included in this Addendum.

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

Section No.	Title
00 31 32	Geotechnical Data
10 51 01	Recessed Gun Lockers

Attachment
Royal Canadian Mounted Police, Geotechnical Report II, New RCMP Detachment, Maidstone, SK, prepared by Clifton Associates, date: July 04, 2014.

A-1-1 REF. ALL SPECIFICATOIN SECTIONS AND DRAWINGS

1. Wherever client, owner, or consultant is referenced revise to “the departmental representative”.

A-1-2 REF. SECTION 00 31 32 GEOTECHNICAL DATA

2. Add this section to the project manual.

A-1-3 REF. SECTION 04 12 13 BRICK MASONRY

1. Revise 2.1.1.4 as follows: Add “.2 Hebron Brick “Garnet Velour”.

A-1-4 REF. SECTION 08 11 00 METAL DOORS AND FRAMES

1. Revise 2.6.8.1 as follows: Replace “stainless steel glazing beads” with “.9mm formed steel channels, 16mm high”
2. Replace 2.11 with the following:
“2.11 DOORS: CONSTRUCTION
 1. Form face sheets for exterior doors from 1.6mm sheet steel with insulated core laminated under pressure to face sheets.”

2. Form face sheets for interior doors from 1.6mm sheet steel with honeycomb core laminated under pressure to face sheets.”

A-1-5 REF. SECTION 08 14 16 FLUSH WOOD DOORS

1. Delete 2.1.4.
2. Delete 2.2.

A-1-6 REF. SECTION 08 71 00 DOOR HARDWARE

1. Revise 3.7 Schedule as follows:
 - a. Door 117: Revise lockset ANSI No. from F15 to F13.
 - b. Door 130: Add 1 drop seal (coordinate w/ Section 08 34 74)
 - c. Door 132B: Revise door number to 139B
 - d. Door 133: Add 1 door bottom seal and 1 threshold plain surface.
 - e. Door 134: Add 1 door bottom seal and 1 threshold plain surface.
 - f. Door 135: Add 1 door bottom seal and 1 threshold plain surface.
 - g. Door 135: Revise lockset ANSI No. from F15(K) to F15.
 - h. Door 136: Revise lockset ANSI No. from F07(K) to F07.
 - i. Door 137: Revise lockset ANSI No. from F15(K) to F15.
 - j. Door 138: Revise lockset ANSI No. from F15(K) to F15.
 - k. Door 139: Revise door number to 139A.
 - l. Door 140: Revise lockset ANSI No. from F15(K) to F15.
 - m. Door 140: Add 1 door bottom seal and 1 threshold plain surface.
 - n. Door 156: Revise lockset to Model: ML2057-GSR-626 ANSI No.: F07(K)
 - o. Door 156: Delete 1 drop seal.
 - p. Door 156: Delete 1 weatherstripping.

A-1-7 REF. SECTION 08 80 50 GLAZING

1. Add:
 - “2.10 LAMINATED DUAL GLAZED UNIT
 1. Insulating glass units: to CAN/CGSB 12.8, dual glazed unit; 25 mm overall thickness.
 2. Glass: to CAN/CGSB 12.1 and 12.3.
 3. Glass thickness: sized to in CAN/CGSB-12.20 and National Building Code to 1 in 50 hourly wind pressure level of 0.75 kPa – Open Terrain.
 4. Minimum lite thickness 6mm
 5. Exterior lite:
 - a. Laminate glass unit.
 - b. Colour clear
 - c. To ASTM C-1172
 - d. Full surface layer of 0.762mm polyvinyl butyral (PVB) interlayer compressed between two panes of 3mm tempered glass unless noted otherwise.
 6. Inter cavity space thickness: 12.5 mm

7. Interior Lite:
 - a. Heat strengthened.
 - b. Low-E Glass coating: PPG “Solar Ban 60” soft coat low ‘e’
 - c. Colour: clear.
 - d. Coating surface #3.
8. Inert gas fill: argon.
9. Spacer: warm edge spacer PPG “Intercept” Black colour.”

A-1-8 REF. SECTION 09 65 20 RUBBER SPORT FLOORING

1. Revise 3.4.1 Base Application as follows: “Refer to Section 09 65 18 – Rubber Flocked Flooring”

A-1-9 REF. SECTION 09 91 23 INTERIOR PAINTING

- .1 Revise 2.5.6 to read:
“Dressed lumber: including window sills, casings, mouldings, and as indicated on drawings:
 - .1 INT 6.3W – Waterborne clear acrylic Gloss Level 5 – Semi-gloss finish (over stain). Premium grade, 1 coat stain, two coats varnish.”

A-1-10 REF. SECTION 10 21 13.13 TOILET PARTITIONS

- .1 Revise 2.1.1.3 Finish as follows: “Powder coat, smooth, dry film thickness 0.01mm (2 mils). Colour to be selected from manufacturer’s standard range of colours.”

A-1-11 REF. SECTION 10 28 10 TOILET AND BATH ACCESSORIES

1. Add: “2.2.8.6 Voltage: 230”
2. Add: “2.2.14 Shower Rod and Curtain: heavy duty 20 ga. stainless steel shower curtain rod complete with 1065x1830 heavy duty white vinyl shower curtain and hooks.
3. 3.2 Schedule: Revise as follows:
 - a. Room 103: Revise coat hook to clothes hook.
 - b. Room 109: Revise coat hook to clothes hook.
 - c. Room 119: Delete 1 feminine napkin dispenser.
 - d. Room 121: Revise 2 clothes hooks to 4 clothes hooks
 - e. Room 121: Add 1 shower rod and curtain
 - f. Room 122: Delete 1 feminine napkin dispenser.
 - g. Room 124: Revise 2 clothes hooks to 4 clothes hooks.
 - h. Room 124: Add 1 shower rod and curtain

A-1-12 REF. SECTION 10 26 00 WALL AND CORNER GUARDS

1. Revise 3.6.2 Corner Guards as follows: Revise “As indicated on drawings” to “Provide 15 corner guards, install in locations as directed by the Departmental Representative”.

A-1-13 REF. SECTION 10 51 01 RECESSED GUN LOCKERS

1. Add this section to the project manual.

A-1-14 REF. SECTION 12 49 00 ROLLER SHADES

- .1 Revise 2.1.2 to include: “Moduline” as an Alternate Manufacturer.

A-1-15 REF. SECTION 22 11 16 DOMESTIC WATER PIPING

- .1 Under 2.1 Piping, article 2.1.1.1 replace “Type K” with “Type L”.
- .2 Under 2.1 Piping, article 2.1.1 add the following:
 - “.3 Above ground: high-density crosslinked polyethylene manufactured using the high-pressure peroxide method of crosslinking (PEXa). Pipe shall conform to ASTM F876, ASTM F877 CSA B137.5, NSF/ANSI 14 and NSF/ANSI 61.
 - .1 Pipe shall be rated for continuous operation of 100 psi gauge pressure at 180°F temperature (690 kPa @ 82°C), and 80 psi gauge pressure at 200°F temperature (550 kPa @ 93°C).
 - .2 Pipe shall be certified by PPI to standard TR-3, with applicable plumbing and mechanical code certifications.
 - .3 Pipe to be manufactured using a high-pressure peroxide method with a minimum degree of crosslinking of 70-89% when tested in accordance with ASTM D2765, Method B.
 - .4 Pipe to be tested for resistance to hot chlorinated water in accordance with ASTM F2023. Pipe to have a minimum extrapolated time-to-failure of 50 years, calculated in accordance with section 13.3 of F2023 and listed as “3306” per the ASTM F876 standard.
 - .5 PEX pipe to have a co-extruded UV Shield made from UV-resistant polyethylene providing a minimum UV resistance of 6 months when tested according to ASTM F2657.
 - .6 Pipe to have a Flame Spread Index and a Smoke Developed Index listing to ASTM E84 (in U.S.) or CAN/ULC S102.2 (in Canada)”
- .3 Under 2.2 Fittings, add the following:
 - “.7 PEX Fittings: Fitting Materials: Fittings shall be manufactured of Engineered Polymer (EP). Lead free brass materials are allowed only for transition fittings. Fitting connections shall be made to the requirements of ASTM F1960. Fittings shall be supplied by the PEX

tubing manufacturer. PEX-a cold expansion type fittings shall be an assembly consisting of insert and PEX-a cold expansion ring.

A-1-16 REF. SECTION 23 05 05 INSTALLATION OF PIPEWORK

- .1 Under 3.7 Pipework installation, add the following article:
“.29 PEX pipe installed in service space or exposed (i.e. not inslab) shall be routed plumb complete with channel to ensure pipe does not sag. Routing channels shall be installed outside of pipe insulation with supports connected to channel and pipe with insulation strapped down to channel.”

A-1-17 REF. SECTION 27 05 14 COMMUNICATIONS CABLES INSIDE BUILDING

- .1 Revise Section 2.1.1 data and voice cables shall be “blue”.
.2 Revise Section 2.2.2 patch cords for data shall be “blue”.

A-1-18 REF. DRAWING A1.2 DETAIL SITE PLAN

1. Add dimension from south west corner of property line to centerline of west driveway access as 53000.
2. Add dimension for clear width of west driveway access as 7500.
3. Add inside radius dimensions for all inside curves along fire truck access as 6000.
4. Add inside radius dimension for all rounded curbs into parking stalls as 1500.

A-1-19 REF. DRAWING A2.1 MAIN FLOOR PLAN, WALL & PARTITION TYPES

1. Add to Partition Types P4 and P5 the following: “Fasten metal mesh to studs every 600mm vertically and to tracks every 300mm horizontally. Use metal washers and non-removable screws”.

A-1-20 REF. DRAWING A2.2 SERVICE SPACE PLAN, DOOR, FRAME, & WINDOW TYPES

- .1 Revise Frame Type F6 as follows: Revise note “Laminated Glass” to “Laminated Dual Glazed Unit”.

A-1-21 REF. DRAWING A2.5 CEILING PLAN

- .1 Add general note: “Refer to electrical for exact location and configuration of lights”.

A-1-22 REF. DRAWING A3.1 BUILDING ELEVATIONS

- .1 Add general note: "Refer to electrical for mounting heights of exterior lights".

A-1-23 REF. DRAWING A4.11 CELL DETAILS

1. Revise Details 1/A4.11 and 2/A4.11 as follows: Revise detail call up for octagon box in ceiling from "X/A4.11" to "6/A4.11".

A-1-24 REF. DRAWING A5.3 INTERIOR ELEVATIONS

1. Revise Interior Elevation Details 1/A5.3 and 2/A5.3 as follows: No additional base required on walls with ceramic tile. Extend ceramic tile to floor.

A-1-25 REF. DRAWING A5.5 INTERIOR ELEVATIONS

1. Revise Interior Elevation Detail 3/A5.5 as follows: Bench dimension of 800 should read full width of opening between millwork and exterior wall.
2. Revise Detail Title on 10/A5.5 from "Room 153" to "Room 156".

A-1-26 REF. DRAWING M1.2

- .1 Under Packaged Energy Recovery Ventilator Unit Schedule (ERV-1): Replace "Lat. Eff." with "Tot. Eff."

A-1-27 REF. DRAWING M4.1

- .1 Corridor 132 - Revise S-5 diffusers to S-2, to be t-bar lay-in. Coordinate location with t-bar ceiling, refer to architectural reflected ceiling plan. Typical of 2 diffusers.

A-1-28 REF. DRAWING M5.1

- .1 Corridor 132 - Revise sprinkler heads to be standard chrome plated semi-recessed pendant head versus upright head and install in t-bar ceiling. Refer to architectural reflected ceiling plan. Typical for 3 sprinkler heads.

A-1-29 REF. DRAWING E1

- .1 In Symbol Schedule add Suffix 'C' for duplex grounded receptacle to be mounted in architectural millwork as noted on drawings.
.2 In Symbol Schedule revise conduit size for data/voice from 20mm to be 27mm as per specification Section 27 05 28.
.3 In Symbol Schedule the contractor shall confirm type of keyed switch with owner's security system provider prior to ordering switch.

A-1-30 REF. DRAWING E2

- .1 Add note #7 for exterior lights override switch as shown in Room 139 adjacent to the three-way switch adjacent to door 139b. One switch shown in Room 118 is the override switch for exterior lights. Refer to drawing E5 for schematic wiring detail.
- .2 The three-way switch shown at door 125 shall be located 305mm from gridline 9.
- .3 The three-way switch shown in Room 113 on the south wall of Room 127 shall have Suffix 'C' to control lights in Room 113 indicated as 'C'.
- .4 In Rooms 135, 137 AND 138 revise light switches to occupancy sensor type 'OC'.
- .5 In Room 132 delete three Type 'BB' fixtures and replace with four Type 'AA' fixtures evenly spaced at 2440mm on center. Refer to Architectural Reflected Ceiling Plan.
- .6 For Building 157 mount the Type 'G' fixtures up 3200mm above finished grade.

A-1-31 REF. DRAWING E3

- .1 In Room 113 at the counter on the north wall just east of gridline 6, locate the receptacle circuit C3 and the '1D' outlet to the west to clear the vertical cabinet. Refer to drawing A5.2 for millwork detail.
- .2 In Room 130 all data and power outlets shall be Suffix 'A' above counter.
- .3 In Room 113 the house keeping receptacle shown on the east wall shall be located under the window to the north to clear the millwork located adjacent to the systems furniture.
- .4 Locate the door operator push buttons shown on the west wall of Room 101 to the north wall adjacent to the side light at Door 101B.

A-1-32 REF. DRAWING E5

- .1 The following breakers shall be provided with lock-on device; A-20, A-22, A-40, A-42, A-44, A-46, C-47, C-49, C-51, C-36, C-38, C-42.
- .2 Provide an exit sign 15amp circuit in Panel 'A' for exit signs.

- .3 Provide one 15A-1P breaker in Panel 'E' for emergency power to one receptacle in room 113 shown as circuit C27 located on the wall of room 115 and one receptacle in Room 126 shown on the west wall. (sent by email)

A-1-33 REF. DRAWING E5.1

- .1 Delete mechanical note #4 reference to the trap primer soleniod.

A-1-34 REF. DRAWING E6

- .1 The fire pump service and the main distribution service shall be service entrance rated as per the Electrical Code Rule 2.024.
- .2 For the 600 amp distribution feeders revise as follows – run (2) 104mm rigid PVC conduits c/w (2) runs of 4 #350mcm rwu90 and #1 AWG insulated copper bond conductors.
- .3 Revise the feeder for NLS-TS1 to 3 #6 AWG RW90 and #8 bond in 35mm conduit.
- .4 For detail #3 ensure grounding and bonding shown for the transfer switch shall comply with Canadian Electrical Code Rule 10-204(1)(c).
- .5 Provide a master ground bar (MGB) to be installed adjacent to the main service switchboard mounted onto the wall. Provide a #4/0 bare copper connection from the main ground service to the MGB. The MGB shall have multiple holes for accepting bonding lugs. The MGB shall be held off the supporting wall using cheery insulators.
- .6 Revise the neutral – ground connection point in both main service switchboards to be continuous connection without interruptions back to the ground grid as per 2012 CEC.
- .7 Revise ground connection for transfer switch to be a bond connection back to the MGB. Delete ground rod.
- .8 Provide required secondary cable slack (approximately 4 meters) as per SaskPower service guide, within cable vault.
- .9 Provide lock-on device for fire alarm breaker and paint breaker red.

A-1-35 REF. DRAWING E7

- .1 Revise feeder from panel 2CP-A to NDP-1 to 4 #1/0 RWU90 and #8 insul. grd in 35mm rigid PVC conduit 914mm below finished grade.
- .2 Revise feeder from panel 2CP TO NDP-1 to 4 #3/0 RWU90 and #8 insul. grd in 35mm rigid PVC conduit 914mm below finished grade.

- .3 Provide a #6 bare copper bond to the antennae structure to the MGB.
- .4 Revise panel feeders for panel 2CP-A TO (4) #1/0 AWG RWU90 & #6 insulated GND IN 53mm rigid PVC with a serving breaker of 60A-3P.
- .5 Revise panel feeders for panel 2CP to (4) #3/0 AWG RWU90 & #6 insulated GND IN 53mm rigid PVC with a serving breaker OF 150A-3P.

A-1-36 REF. DRAWING E7.1

- .1 In detail #2 delete reference to (network 109).
- .2 Trench detail #3 for direct buried service conductors shall comply with the Canadian Electrical Code Diagram B4-3 per rule 4-004(1)(d). If spacing is not accordance with diagram B4-3, IEEE835 is required to confirm the cable ampacity as stated in Rule 4-004(1)(e).
- .2 Revise the conduit for the data outlet detail from 35mm to 27mm conduit.
- .3 Revise faceplate, jacks and blank plugs from 'ivory' to 'white'.
- .4 Delete reference to intercom for note #3 in outlet detail.

A-1-37 REF. DRAWING E8

- .1 Provide rough-in for an electric strike at door 101B.

A-1-38 REF. DRAWING C1

- .1 Revise heavy duty asphalt paving to match architectural detail site plan 1/A1.2.

A-1-39 REF. GENERAL QUESTIONS

- .1 Q: Inquiry into the measurement of the chain link fence. Are bidders to use the scale for the site plan and not scale only the drawing(s) listed in the "Do not scale drawings" box?
A: Drawings should never be scaled. The intention for the chain link fence is to run the entire length of the north and east property lines and extend from the northwest corner of the property to west access.
- .2 Q: Requests for approval of various Mechanical Equipment
A: Refer to Section 21 05 01, 1.24.
- .3 Q: Where are the TWA panels located in the building?
A: Refer to Drawing M3.2.
- .4 Q: Unit Heaters (CUH-1 to 4, UH-1 to 3), flow configuration not specified in the schedule and the drawings do not show the units?

A: Refer to M6.5 for schematics. Under Schedule on M1.1, control valve is identified. Units are shown on the drawings, refer to M3.2.

- .5 Q: ERV-1 - Is the ERV required to come with factory installed concrete inertia base under the fan section?
A: Not specified, refer to Specification Section 23 72 01.
- .6 Q: ERV-1 - Heat wheel is requested to c/w bypass dampers. Is recirc defrost dampers acceptable?
A: As specified, primary defrost shall be by VFD and unit shall be complete with independent bypass dampers.
- .7 Q: ERV-1 - Are “lights” required for fan and access section of the ERV?
A: Not specified, refer to Specification Section 23 72 01.
- .8 Q: ERV-1 - Is there stainless steel drain pan under the energy recovery wheel?
A: Not specified, refer to Specification Section 23 72 01.
- .9 Q: Air Handling Units - Is there stainless steel drain pan under the energy recovery wheel?
A: Not specified, refer to Specification Section 23 73 10.
- .10 Q: Air Handling Units - Is the AHU required to come with factory installed concrete inertia base under the fan section?
A: Not specified, refer to Specification Section 23 73 10.
- .11 Q: Air Handling Units - GFI and light switch are internally mounted in the units of specified Daikin Air Handling Systems. Is that acceptable (Schedule asks for externally mounted switches)?
A: As specified, switches to be externally mounted, which is an option on the specified units.

END OF ADDENDUM NO. 1

Part 1 General

1.1 GEOTECHNICAL REPORT

- .1 A copy of a detailed geotechnical investigation report with respect to the building site is attached to this section. The report is entitled:
 - .1 Title: "Royal Canadian Mounted Police Geotechnical Report II, New RCMP Detachment, Maidstone, SK." File No.: S2026.
 - .2 Date: July 4, 2014.
 - .3 Prepared by: Clifton and Associates.
- .2 This report records properties of the soils and recommendations for the design of foundations, prepared primarily for the use of the Consultant. The recommendations given shall not be construed as a requirement of this Contract unless also contained in the Contract Documents.
- .3 The Geotechnical Investigation report, by its nature, cannot reveal all conditions that exist or can occur on the site. Should subsurface conditions, in the opinion of the Consultant, be found to vary substantially from the report, changes in the design and construction of foundations will be made, with resulting credits or expenditures to the Contract Price accruing to the Owner.

END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 04 05 00 – Common Results for Masonry.

1.2 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Indicate type and class of locker, thickness of metal, fabricating and assembly methods, assembled banks of lockers, shelves, bases, trim, end/back panels, doors, locking method, ventilation method and finishes.

1.3 PRODUCT DATA

- .1 Provide product data in accordance with Section 01 33 00 – Submittal Procedures.

Part 2 Products

2.1 ACCEPTABLE MANUFACTURERS

- .1 DSM Law Enforcement Products
- .2 Canadian Locker Company Limited

2.2 MANUFACTURED UNITS

- .1 Bank of 4 lockers fabricated from 16ga steel (cabinet) and 18ga steel (doors and hinges), heavy duty powder coat finish on all surfaces, “Nevada Beige” colour complete with trim for flush mounting.
 - .1 Door Size: 264 mm wide x 132 mm high.
 - .2 Locks: keyed differently and master-keyed, complete with number tags
 - .3 Interior shelving: lined with 3mm thick neoprene rubber.

Part 3 Execution

3.1 INSTALLATION

- .1 Recess mount lockers in accordance with manufacturer's written instructions.
- .2 Securely anchor lockers to concrete block wall.

END OF SECTION