Royal Canadian Mounted Police

Gendarmerie royale du Canada

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73 Leikin Drive,
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Attn: Megan McCoy (613) 843-3798

AMENDMENT TO THE INVITATION TO TENDER

Royal Canadian Mounted Police

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services and construction listed herein and on any attached sheets at the price(s) set out therefore.

MODIFICATION À L'APPEL D'OFFRES

Gendarmerie royale du Canada

Nous offrons par la présente de vendre à Sa Majesté l Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

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Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

Telehone No. – No de téléphone:

( )

Facsimile No. – No de télécopieur:

( )

Title-Sujet

RCMP B Block Redevelopment

Solicitation No. – No. de l'invitation	**Amend. – Modif.**	**Date**
201405073	No. : 5	March 24, 2014

Client Reference No. - No. de Référence du Client

201405073

GETS Reference No. – No de Référence du SEAG

201405073

Solicitation Closes – L'invitation prend fin

at - à 2 :00 pm **EST**

on - le March 31st, 2014

F.O.B. - F.A.B.

Destination

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Eric Glynn – Manager - Procurement

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Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur

Royal Canadian Mounted Police

Gendarmerie royale du Canada

Amendment #5 of Solicitation 201405073 has been issued to provide Addendum #3 to the Specifications and Drawings.

ADDENDUM NUMBER: **THREE**

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

PROJECT: **SHARED LEARNING FACILITY**
REGINA, SK

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications dated 2014-01-17, previous Addenda if applicable and as noted below. This Addendum consists of 8 pages and attached Specification Sections and Drawings as listed below.

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

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

Section No.	Title	Pages	Date of Issue

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

Dwg. No.	Title	Date of Issue
AR21	Catwalk Guardrail Detail	2014-03-21
E3.2R1	Fourth Floor Partial Power/Systems Plan	2014-03-20

A3-1 REF. SECTION 07 52 00, MODIFIED BITUMINOUS MEMBRANE ROOFING

.1 ADD the following articles:

1.2.2 Wind Uplift Resistance testing will be in accordance with ANSI/FM Approvals 4474. Assembly rating: FM Class 1-90.

1.2.3 Remove and dispose of all existing concrete faced insulated roofing to the top of the existing protected membrane, for complete extent of roof, as shown on Drawing A2.13. Existing protected membrane to remain in place.

.2 2.6.1 Add the following sentence to the end of the paragraph: "Report findings of damaged membrane and water infiltration to Departmental Representative."

A3-2 REF. SECTION 08 90 10, DOOR, FRAME AND HARDWARE SCHEDULE

.1 Door 363; REVISE Door Type designation to D1.

A3-3 REF. SECTION 09 91 23, INTERIOR PAINTING

.1 2.5.4.2 REVISE to read: "9.2B - High performance architectural latex, G4, premium finish. (typical)"

A3-4 REF. SECTION 23 05 29, HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT

.1 Add the following article:

2.12 Exposed Pipe and Duct hangars

.1 Wire Rope Suspension Systems:

.1 Wire rope suspension systems shall be ULC, CSA and SMACNA approved and tested.

.2 Wire suspensions systems shall consist of a pre-formed wire rope sling with either a ferruled loop, permanently fixed threaded ¼" (or 3/8") stud, or permanently fixed nipple end with toggle, at one end or hook or eyelet. The end fixings and the wire must be of the same manufacturer. The system is secured and tensioned with a hanger self-locking grip at the other end. System shall incorporate pipe hangars. Pipe hangars shall not penetrate vapour barrier of chilled water pipe insulation.

.3 Only wire and or supports supplied and or approved, shall be used with the system installed.

.4 The Contractor shall select the correct specification of wire hanger to use for supporting each particular service from table 1 below. Each size is designated with a maximum Safe Working Load Limit (which incorporates a 5:1 safety factor). The correct specification of wire hanger required is determined using the following formula:
Weight per metre of object suspended (kg) x Distance between suspension points (m) = Weight loading per hanger suspension point (kg)

Table 1 Wire Hanger Safe Working Loads

Size	Working Load Limit (kg)	Working Load Limit (lbs)
No. 1	0 - 10 kg	0 - 22 lbs
No. 2	10.5 - 45.5 kg	23 - 100 lbs
No. 3	46 - 91 kg	101 - 200 lbs
No. 4	95.5 - 225 kg	210 - 495 lbs
No. 5	225.5 - 325 kg	496 - 715 lbs

.5 Where the installed wire rope is not vertical then the working load limit shall be reduced in accordance with the recommendations given in the manufacturer's handbook.

.6 The Contractor shall select and use the correct length of wire rope required to support the service.

.7 No in-line joins shall be permitted in the rope.

.8 Solid trapeze hangars may be used to suspend piping routed together, where wire support can be coordinated with ceiling and still ensure pipes are routed at highest point possible (tight to beams).

.2 Corridor Pipe Rack:

.1 As indicated on the drawings, the piping routing tight to the corridor walls shall be routed in a pipe rack made from Unistrut or equivalent. Refer to Details and drawings.

.2 Pipe rack to be built from a metal strut framing system and anchored to wall. System to be complete with all components necessary to support pipe

.3 System to utilize concealed fasteners or fasteners that are on a non-visible plane.

.4 Contractor shall ensure finished material has no sharp edges.

.5 System shall utilize standard solid channels like Unistrut P1000.

.6 Solid end caps shall be installed on all channel open ends.

.7 Metal frame material shall be plain steel. Pipe clamps shall be stainless steel and shall not penetrate vapour barrier on chilled water pipes.

.8 Finish: The supports (including end caps) shall be baked epoxy powder coat or baked acrylic enamel to custom colour selected by architect. This will be an accent colour.

.2 Add the following article:

"3.9 Installation of Exposed Pipe and Duct Hangers:

.1 Exposed pipe and duct shall be any pipe/duct visible to the occupants. This does not include piping and ductwork as it routes above dropped ceilings.

.2 Corridor pipe rack shall be installed for pipes running stacked in corridors, as indicated on drawings."

A3-5 REF. SECTION 25 90 01, EMCS: SITE REQUIREMENTS, APPLICATIONS AND SEQUENCES OF OPERATIONS

.1 Under 3.1 add the following articles:

".10 Existing Air Handling Unit
.1 Contractor shall establish new control points for existing air handling units consistent with new control strategies. This shall be reviewed on site with Departmental Representative."

".11 Existing chilled water loop pumps
.1 Contractor shall revise existing chilled water loop pump controls for loop serving B-Block to be lead/lag. Lead pump shall operate to maintain flow until return water temperature drops below system Delta T. When lead pump cannot maintain system Delta T then lag pump shall energize and both pumps shall operate to maintain loop Delta T. Control sequence for these pumps shall be reviewed on site with Departmental Representative prior to making any modifications."

A3-6 REF. GENERAL ELECTRICAL SPECIFICATIONS

.1 Belden certification pertains to components that are associated with the IMS network. All items located on the ESS network do not require Belden certification.

.2 CLARIFICATION: All specifications that reference Section 4.0 of CSC specification SW0101 are referring to the CSC pre-design documents required within the contract for specialty systems. These pre-design documents were intended to be completed at shop drawing stages, which is why they were included in the shop drawing section.

A3-7 REF. SECTION 26 23 00, LOW VOLTAGE SWITCHBOARDS

.1

SPECIFIED	APPROVED EQUIVALENT
Eaton, Schneider Electric, General Electric	Siemens

A3-8 REF. SECTION 26 24 17, PANELBOARDS BREAKER TYPE

.1

SPECIFIED	APPROVED EQUIVALENT
Eaton, Schneider Electric, General Electric	Siemens

A3-9 REF. SECTION 27 11 19, PATCH PANELS, SWITCHES, NETWORK EQUIP.

.1 Section 2.7:

SPECIFIED	APPROVED EQUIVALENT
Avocent	Dell

A3-10 REF. SECTION 27 51 16, PUBLIC ADDRESS SYSTEM

.1 DELETE 2.13 in its entirety.

A3-11 REF. SECTION 27 52 00, INMATE CELL CALL

.1 Section 2.4.7:

SPECIFIED	APPROVED EQUIVALENT
HID	Essex RoxProx

.2 Section 2.4.7: Please change model RK40 to model EHR40.

.3 Section 2.9

SPECIFIED	APPROVED EQUIVALENT
BSI	Dell

A3-12 REF. SECTION 27 54 00, GUARD TOUR SYSTEM

.1 Section 2.3.7:

SPECIFIED	APPROVED EQUIVALENT
HID	Essex RoxProx

.2 Section 2.3.7: Please change model RK40 to model EHR40.

A3-13 REF. SECTION 27 55 00, INTERCOM SYSTEM

.1

SPECIFIED	APPROVED EQUIVALENT
AIPhone	Harding Instruments

A3-14 REF. SECTION 28 13 20, PLC CONTROLS AND HMI

.1 Section 2.5.5:

SPECIFIED	APPROVED EQUIVALENT
Omnivision, Stealth	Dell

.2 Section 2.7.3:

SPECIFIED	APPROVED EQUIVALENT
BSI	Dell (Must be 2U)

.3 Section 2.9.1:

SPECIFIED	APPROVED EQUIVALENT
Schneider Electric, Allen Bradley	Omron

.4 Section 2.9.8:

SPECIFIED	APPROVED EQUIVALENT
Omron #MK, Brumfield #CS	Phoenix Contact PLC-RSC, Omron G22R

A3-15 REF. SECTION 28 23 00, VIDEO SURVEILLANCE

.1 Section 2.4.5: RAID-5e shall be changed to RAID-6x, as is the standard of the Pivot3 component described.

A3-16 REF. DRAWING A6.1

.1 Reference Drawing 5, Catwalk Guardrail Detail; DELETE the middle horizontal rail of the guardrail, so as to leave only the top and bottom rails.

.2 Reference Drawing 5, Catwalk Guardrail Detail; Divide the railing into section lengths as required for galvanizing after fabrication. Maintain module dimensioned on drawings for post spacing. Where lengths of railing sections join; provide two vertical posts, anchor plates and fasteners, and male/female connector at top rail. Refer also to detail 1/AR21 accompanying this addendum.

.3 Reference Drawing 5, Catwalk Guardrail Detail; CLARIFICATION; Welded wire mesh to be welded to the horizontal railings and vertical posts.

A3-17 REF. DRAWING M2-3

.1 Add the following note: "Pipes routing in Corridors, indicated to route stacked in architectural enclosure, shall route exposed on Corridor Pipe Rack."

A3-18 REF. DRAWING M2-4

.1 Add the following note: "Pipes routing in Corridors, indicated to route stacked in architectural enclosure, shall route exposed on Corridor Pipe Rack."

A3-19 REF. DRAWING E0.1

.1 REVISE: In symbol schedule, data/voice symbol currently states 20mm conduit into box. Revise to 27mm conduit (specifications also note 27mm).

A3-20 REF. DRAWING E1.1

.1 CLARIFICATION: Microphonic cabling for the fence detection system is to be placed only on the west piece of fence. Note 2 depicts this location.

A3-21 REF. DRAWING E3.1

.1 Detail 4 – provide dedicated 120V circuit for door controller motor shown at door 131. 120V-1P breaker shall be located in panel 1MA.

.2 Detail 2 – pumps P-1A and P-1B are shown being fed from panel 1MA, change to panel 1MB with the same circuit numbers.

.3 Detail 2 – provide dedicated 120V circuit from panel 1D for receptacle shown surface mounted to column in middle of service room.

.4 Detail 1 – exhaust fan EF-4 shown being fed from panel 1C, change to panel 1MA.

.5 Detail 1 – GFI receptacles shown are to be fed from single circuit on panel 1MA.

.6 Detail 1 – drawing note 3: 15A, 1P breaker described in note is located in panel 1MA.

.7 Detail 2 – cabling for voice outlet can be connected directly to Bix Block in Electrical room on first floor. Cabling for data outlet can be connected to wall mounted data distribution shown in service room.

A3-22 REF. DRAWING E3.2

.1 REVISE Room 366 shall have COD device as shown in other medium range cells.

.2 CLARIFICATION: All microphones shown without suffix DT shall be ceiling mount boundary type microphones (refer to specifications 27 56 00). All microphones shown with suffix DT shall be desktop microphones for public address system (refer to specifications 27 51 16).

.3 CLARIFICATION: Guard tour stations located in rooms 340 & 333 shall be the proximity reader type, while guard tour stations located in rooms 316, 314, 363, & 365 shall be the silver-guard type.

.4 Add ESS network drop up 450mm where KVM extender is shown located in room 309. Add two ESS network drops up 450mm where KVM extender is shown located in rooms 313, 331, 332.

.5 KVM extenders and duplex receptacle for rooms 331 & 332 are shown offset. Leaders did not show up correctly on PDF drawings, see sketch E3.2R1, accompanying this addendum, for correct locations.

.6 DELETE drawing note #12.

A3-23 REF. DRAWING E5.1

.1 CLARIFICATION: Detail 2 – Connections shown between Main ESS Rack 01 and Main ESS racks 02 thru 04 shall each be 2 x CAT6 cables.

A3-24 REF. DRAWING E5.2

.1 CLARIFICATION: Detail 7 – Regarding locations of ICCS terminations and PC equipment. Refer to Specifications 27 52 00 section 2.9. Actual locations of ICCS stations (panel PC's) are shown on drawing E3.2, specifically details 4, 5, & 7.

.2 REVISE: Detail 7 – Change cell door groups to the following:

Type of Cell Call Device	Door Numbers
COD (pushbuttons)	341-347
CCD (prox)	341-347
COD (pushbuttons)	310-311
CCD (key type)	310-311
COD (pushbuttons)	366-371
CCD (key type)	366-371

.3 REVISE: Detail 3 – depicts 11 KVM IP extenders for HMI workstations, while E3.2 depicts 12. The correct number of KVM extenders is to be 12 for ESS network's HMI workstations. With the addition of the CCTV monitoring workstations, brings the total to 23 KVM extenders. Refer to E3.2 for correct depiction of quantity and location of KVM extenders.

A3-25 GENERAL QUESTIONS

.1 A request for equal has been applied for by one of the bidders for the epoxy bonding agent noted in Section 03 30 00.

Response: Euclid 512 VOX Penetrating Epoxy Sealer is an acceptable alternate.

.2 A request for equal has been applied for by one of the bidders for the non-metallic surface sealer noted in Section 03 35 00.

Response: Euclid 512 VOX Penetrating Epoxy Sealer is an acceptable alternate.

.3 A request for equal has been applied for by one of the bidders for the internal core of the detention doors.

Response: Truss core design with triangular form, spanning the full thickness of the interior space between door faces, is an acceptable door core stiffener alternate.

.4 A questions has been raised by one of the bidders as to whether the detention doors are to fail safe or fail secure.

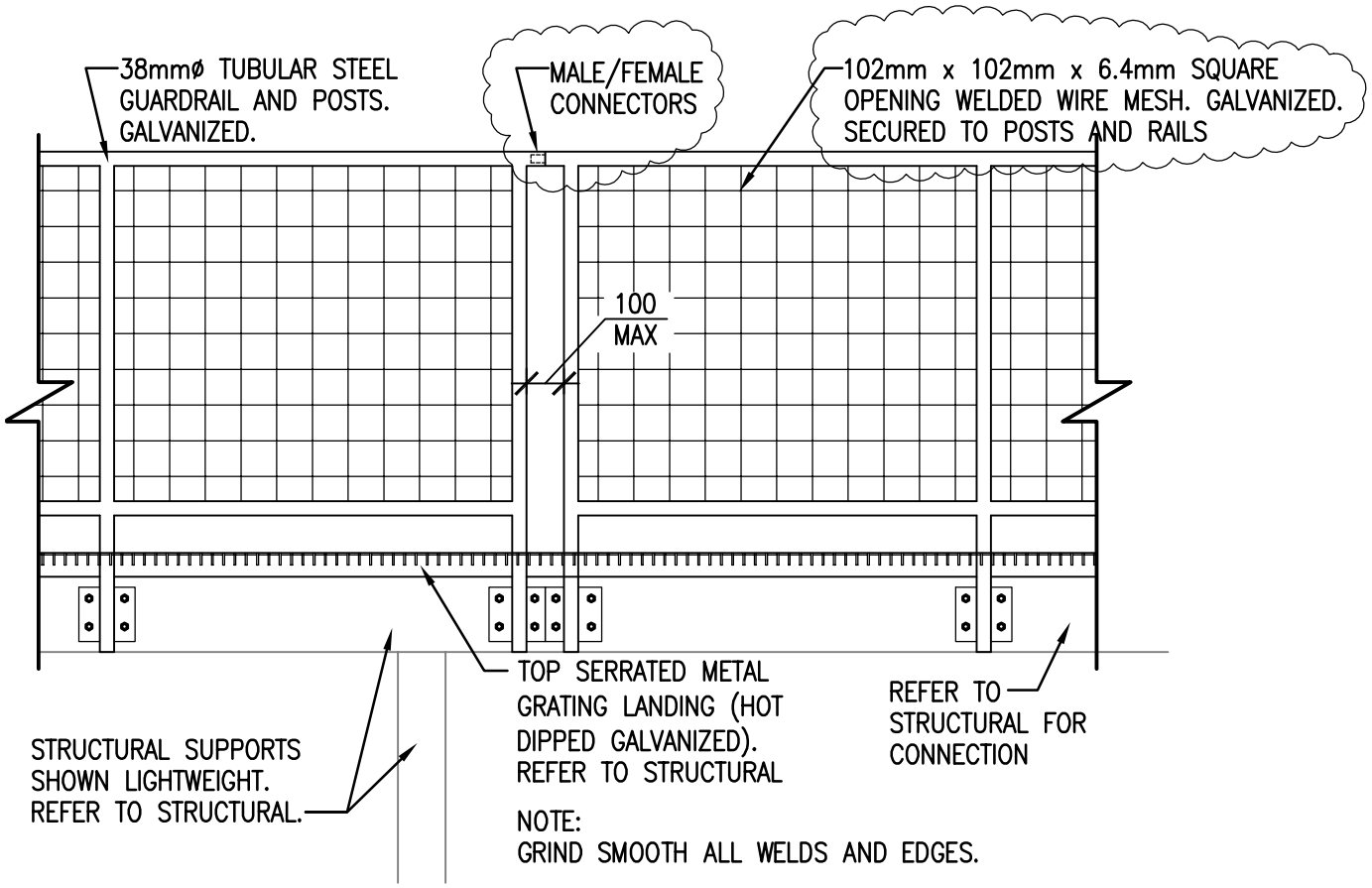
Response: All doors that interface with the DCS shall Fail Safe in the event of power loss.

.5 A question has been raised by one of the bidders as to who supplies the door contacts for the Detention Doors.

Response: Detention door contacts are to be supplied by the detention door and frame manufacturer/supplier.

END OF ADDENDUM NO. 3

NOTE:
MODIFY MOUNTING OF GUARDRAIL WALL PLATES TO SUIT MAXIMUM SPACING BETWEEN THE TWO VERTICAL POSTS



1 / AR21 CATWALK GUARDRAIL DETAIL

1:20 (@ JOINS OF RAILING SECTIONS)

SEPW Architecture Inc.

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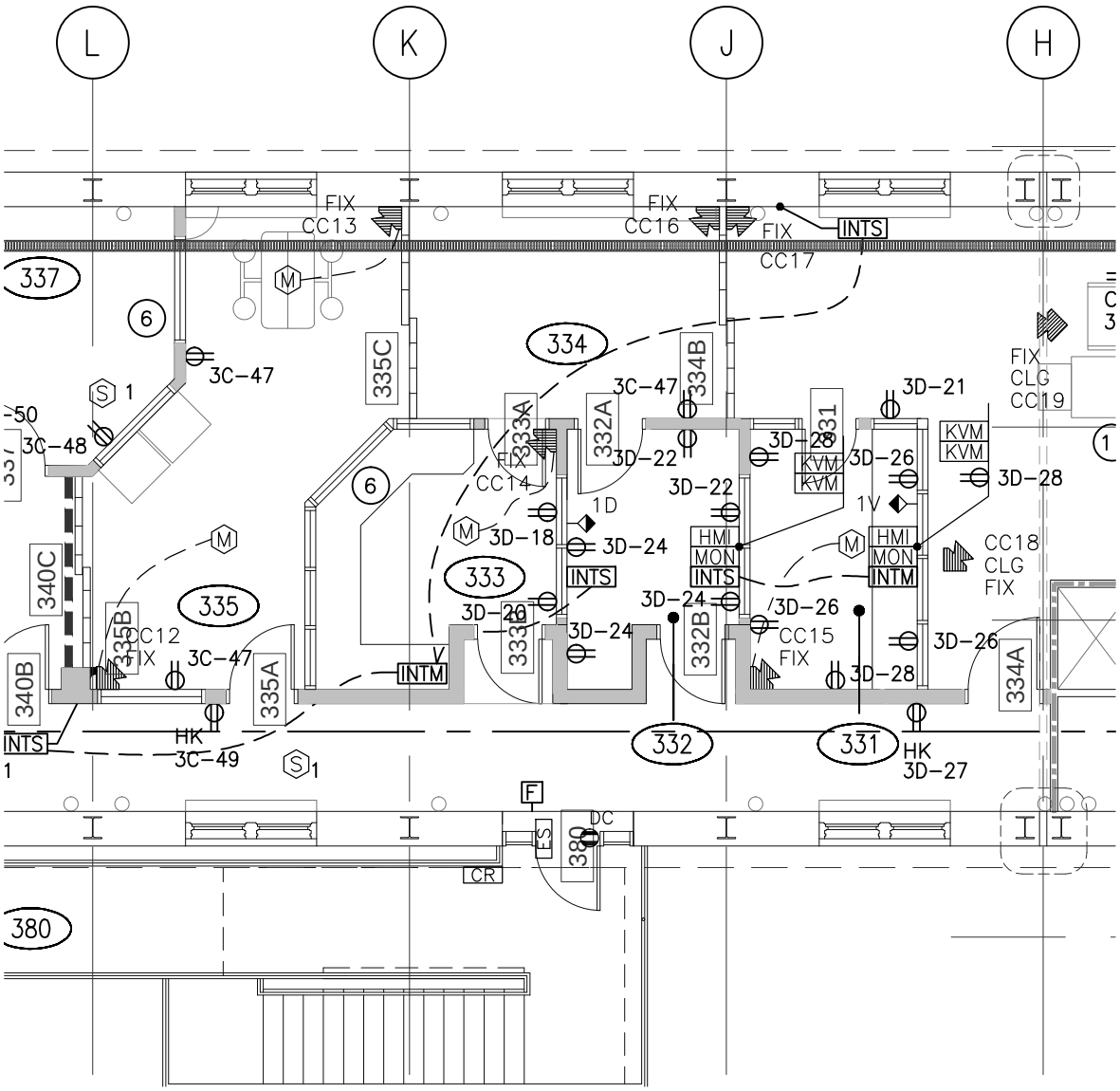
PROJECT TITLE **SHARED LEARNING FACILITY REGINA, SK**	DATE **2014-03-21**	PROJECT NO. **05/2013**
	SCALE **SHOWN**	DRAWING NO. **AR21**
DRAWING TITLE **CATWALK GUARDRAIL DETAIL**	DRAWN **RHM**	
	CHECKED **RP**	



NORTH

1 / E3.2R1

FOURTH FLOOR PARTIAL POWER/SYSTEMS PLAN

1:100

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RCMP B-BLOCK
ELECTRICAL REVISION

File:	12291
Date:	2014-03-20
Approved:	SBK
Drawn:	BDK

Drawing: E3.2R1