



Royal Canadian Mounted Police
Gendarmerie royale du Canada

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A: Bid Receiving/Réception
des sousmissions**

RCMP-GRC

Bid Receiving/Réception des sousmissions
Attention: Jordan McKenna
Mail Stop/Arrêt postal 15
73 Leikin Drive,
Ottawa, ON K1A 0R2

AMENDMENT - INVITATION TO TENDER

MODIFICATION - APPEL D'OFFRES

Tender to: 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.

Soumission aux: Gendarmerie royale du Canada

Nous offrons par la présente de vendre à Sa Majesté la 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).

Comments - Commentaries

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur
Facsimile No. - No de télécopieur:
Telephone No. - no de telephone:

Title-Sujet: Construction – Building Renovations and Upgrades	
Solicitation No. - No. de l'invitation 201901010	Date July 13 th , 2018
Client Reference No. - No. De Référence du Client 201901010	Amend No.- No. du modif. 006
GETS Reference No. - No. de Référence de SEAG 201901010	
Solicitation Closes –L'invitation prend fin at - à 2 :00 EDT on - le July 18th, 2018	
F.O.B. - F.A.B. Destination	
Address Enquiries to: - Adresser toutes questions à: jordan.mckenna@rcmp-grc.gc.ca	
Telephone No. - No de telephone 613.843.5518	Fax No. - N° de FAX:
Destination of Goods, Services, and Construction: Destinations des biens, services et construction:	
Delivery Required - Livraison exigée:	Delivery Offered - Livraison proposée
Name and title of person authorized to sign on behalf of Vendor/Firm 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 #6 is being issued in order to respond to questions and issue Addendum 1:

THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY.

- 1) See responses to questions submitted below.
- 2) See Addendum 1 issued below

Question 1 : The Invitation to Tender states under "Contract Security" that the required amount of a security deposit or a letter of credit is established at 20% of the contract amount. Then section GI08 "Bid security requirements" from the website link states that the bid bond or security deposit is to be 10% of the bid price. Which value is correct?

Answer 1 : Both values are correct, bid bond and contract security are separate requirements. A bid bond is required upon bid submission. Contract Security is required upon contract award. "

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
1	June 18	<p>Claire Frechette accepts our sprinkler design but requests back plates be as high and wide as possible</p> <p>Response – <i>BACK PLATES ARE ALREADY SUFFICIENTLY LARGE AND ARE AS HIGH AS POSSIBLE.</i></p>	No Addendum required – question came from RCMP and has been clarified
2	June 25	<p>As discussed at the site visit, installation of the rubber block wall system onto the existing trap side walls will be problematic for several reasons. First, the blocks are designed to sit on a horizontal surface. Installation on an angled service will require field cutting, which is extremely difficult given the thickness and density of the rubber block, or alternatively custom moulding, which is a VERY expensive and time consuming process requiring precise measurement of the trap and fabrication of unique rubber moulds for single use.</p> <p>Response - <i>PJKA CONSULTED WITH REGINA PROJECT MANAGER TO REVIEW FINAL IMPLEMENTATION THERE. PROJECT TEAM DISCUSSED OPTIONS WITH THE EXISTING BULLET TRAP SUPPLIER. PJKA PROVIDED SKETCHES OF THE DESIGN OPTION PREFERRED BY THE BULLET TRAP SUPPLIER AND RCMP, TO INSTALL BALLISTIC PANELS INSTEAD OF BALLISTIC BLOCKS IN THE EXISTING BULLET TRAP ZONE. RCMP HAS PROVIDED FINAL CONFIRMATION AND ARCH. ADDENDUM WILL BE ISSUED.</i></p>	See Arch. Addendum issued separately
3		Number not used	
4	June 25	<p>Can the RCMP confirm with the trap manufacturer that the trap, frame supports, and side wall supports can support the dynamic load of in excess of 2000 lbs to support the rubber blocks as well as the dynamic loads imparted by the spring loaded block tensioning system?</p> <p>Response - <i>TRAP SUPPLIER CONFIRMS THAT EXISTING TRAP CAN BE REINFORCED AS REQUIRED TO SUPPORT ADDITIONAL LOADS BUT THAT ADDING BALLISTIC BLOCKS ON TOP OF RAMP OF THE UPPER, "WET" RAMP IS NOT RECOMMENDED AS IT WILL IMPACT THE FLOW OF THE SNAIL OIL. PROJECT TEAM DISCUSSED OPTIONS WITH THE EXISTING BULLET TRAP</i></p>	See Arch. Addendum issued separately

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		<i>SUPPLIER. PJKA PROVIDED SKETCHES OF THE DESIGN OPTION PREFERRED BY THE BULLET TRAP SUPPLIER AND RCMP, TO INSTALL BALLISTIC PANELS INSTEAD OF BALLISTIC BLOCKS IN THE EXISTING BULLET TRAP ZONE. RCMP HAS PROVIDED FINAL CONFIRMATION AND ARCH. ADDENDUM WILL BE ISSUED.</i>	
5	June 25	Indicated on the drawing, 3/8" AR 500 steel plate is to be installed behind the rubber blocks. Does this requirement still exist when installing blocks inside the bullet trap and frame? How thick are the existing trap side walls? Are we to install 3/8" plate on top of the existing side wall plate? Response – <i>PROJECT TEAM DISCUSSED OPTIONS WITH THE EXISTING BULLET TRAP SUPPLIER. PJKA PROVIDED SKETCHES OF THE DESIGN OPTION PREFERRED BY THE BULLET TRAP SUPPLIER AND RCMP, TO RETAIN THE EXISTING SIDE WALL TRAP STEEL AND APPLY NEW STEEL AND BALLISTIC PANELS IN FRONT OF IT. RCMP HAS PROVIDED FINAL CONFIRMATION AND ARCH. ADDENDUM WILL BE ISSUED</i>	See Arch. Addendum issued separately
6	June 25	The drawings indicate that the steel plate and rubber durablock panel are to be installed on the walls above the existing over trap. This would appear to be redundant as there should be no shots capable of reaching that area. Response - <i>THIS ISSUE WAS REVIEWED WITH THE BULLET TRAP SUPPLIER, WHO DIDN'T THINK BALLISTIC PANELS OR STEEL PLATE IS REQUIRED ABOVE EXISTING TRAP. RCMP HAS NOT CONFIRMED ITS REMOVAL SO IT WILL BE RETAINED</i>	See Arch. Addendum issued separately
7	June 25	I have attached a crude mark up of the drawings with a proposed alternate design for comment/review. I suggest the RCMP consider revising the drawings as indicated. This will provide a configuration that is fully integrated into the existing bullet trap, without modification to the trap itself, and without requiring the supply and install of unnecessary materials in an area that is difficult to access.	SEE ITEMS 2 THROUGH 6

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		Response – <i>THIS SKETCH INVOLVES CHANGING THE REGINA 25A DESIGN WE WERE DIRECTED TO IMPLEMENT, AND COVERS MUCH OF THE SAME ISSUES DEALT WITH IN ITEMS 2 THROUGH 6. SEE THESE FOR RESPONSE</i>	
8	June 25	Tender specifications Section 06 10 00 Rough Carpentry, Part 3, section 3.4.10 indicates that bolts must be countersunk for clearance of other equipment. AR500 Steel plates, due to their hardness, are not suitable for counter sunk applications. Can the crown remove this requirement for any application involving AR 500 Steel, and simply require the equipment supplier/installer to ensure that hardware used to install AR 500 steel assemblies does not interfere with other equipment? Addendum Wording - <i>THIS CLAUSE PERTAINS TO ROUGH CARPENTRY, NOT THE STEEL PLATES. BID AS PER PLANS AND SPECIFICATIONS</i>	See Addendum Wording
9	June 25	Drawing A202, Note 3 indicates that baffles must have a 42 degree chamfer. Once again, it is incredibly difficult to chamfer AR 500 steel plate without using processes that are either very expensive or using heat that compromises the ballistic properties of the steel. Can the RCMP please clarify what purpose this chamfering serves, and consider removing this requirement? Addendum Wording – <i>REF. DRAWING A202 AND CHANGE DRAWING NOTE 3 AS FOLLOWS: 3. PROVIDE SQUARE EDGE AT TRAILING EDGE OF BAFFLE STEEL PLATES. DO NOT CHAMFER EDGE</i>	See Addendum Wording
10	June 25	Drawing A202 indicates the requirement for seam plates, 150mm wide, to cover the gaps in AR500 Wall plates to be installed behind the rubber block. Given that the blocks themselves are rated for full containment, are these gap protectors necessary? We typically install these plates with less than 1/8" Inch gap, which is less than half the size of the smallest calibre bullet the RCMP uses. If overlap protection is necessary, can we simply overlap the edges of the plate by 3 inches, which will provide the same degree of protection, but with less material and a simpler installation? Addendum Wording - <i>BID AS PER PLANS AND SPECIFICATIONS</i>	See Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
11	June 25	<p>It appears the intent is for the RCMP to use this range as a dynamic firing range. This is indicated both in the baffle configuration and the design of the rubber block walls. It should be noted that the RCMP range design guide as well as current safety standards as enforced by the RCMP Canadian Firearms Program Chief Firearms Officers Range Inspectors requires a minimum safe distance of 7 Meters from exposed steel, which includes the bullet trap. Despite any bullet traps manufacturers claims to the contrary, this 7 m minimum rule, (10 m in some jurisdictions) has always been considered an industry best practice.</p> <p>Only granulated rubber berm bullet traps have been deemed 100% ricochet free and therefore safe for engaging targets at distances up to 0 meters from the trap. These design appears to be similar to the design principles employed at the recently renovated 25A range at RCMP Depot, in Regina. That range also included the installation of a new, low maintenance, rubber berm trap, as well as a fixed turning target system with running man target. Compared to the maintenance costs associated with savage wet traps, it is expected that a rubber berm trap will pay for itself within a few years, will be cleaner, quieter, ricochet free, and enable a minimum safe firing distance of 0 m from the trap. It also requires a smaller foot print, and does not require access to the rear of the trap, which together could result in up to 5 more meters of usable space inside of the range.</p> <p>Will the RCMP consider replacing the existing bullet trap and replace it with a granulated rubber trap that will eliminate the risk of ricochet and reduce the minimum safe distance of the existing trap to 0m?</p> <p>Addendum Wording – <i>EXISTING BULLET TRAP WILL NOT BE REPLACED. BID AS PER PLANS AND SPECIFICATIONS AND AS AMENDED BY ADDENDA</i></p>	See Addendum Wording
12	June 25	<p>Is there any requirement or consideration for a modern target system, either fixed or returning?</p> <p>Addendum Wording - <i>BID AS PER PLANS AND SPECIFICATIONS</i></p>	See Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
13	June 25	Please confirm if a demolition permit is required for this project? Addendum Wording – <i>DEMOLITION PERMIT IS NOT REQUIRED</i>	See Addendum Wording
14	June 25	Section 11 67 23, item 2.6.2 indicates – “Provide 50 additional ballistic panels for maintenance”, and Section 13 54 10, item 1.7.2 reads – “Provide 25 additional” panels for maintenance – Please confirm the total number of panels required for maintenance purposes? Addendum Wording <i>REF. SECTION 11 67 23 BALLISTIC RUBBER BLOCK BULLET TRAP, ITEM 2.6.2: DELETE AND REPLACE WITH .2 PROVIDE 5 ADDITIONAL ACOUSTIC BALLISTIC PANELS FOR MAINTENANCE PURPOSES REF. SECTION 13 54 10 ACOUSTIC BALLISTIC RUBBER PANELS, ITEM 1.7.2: DELETE AND REPLACE WITH .2 PROVIDE 5 ADDITIONAL ACOUSTIC BALLISTIC PANELS FOR MAINTENANCE PURPOSES</i>	See Addendum Wording
15	June 25	Reference drawing A111 – Legend – Existing Suspended Acoustic Tile Ceiling to Be Removed – Are we to re-install this ceiling or provide a new ceiling system (please provide a specification for the ceiling materials if new is required)? Addendum Wording – <i>REF. DWG. A202 AND CHANGE NOTE 17 AS FOLLOWS: 17. PROVIDE NEW SLOPED ACOUSTIC TILE CEILING TO INTEGRATE EXISTING CEILING WITH NEW BAFFLES. PROVIDE SHOP DRAWINGS STAMPED BY AN ENGINEER LICENSED TO PRACTISE IN THE PROVINCE OF ONTARIO FOR THE NEW SLOPED CEILING. T-BAR AND CEILING TILES TO MATCH EXISTING.</i>	See Addendum Wording
16	June 25	At the site visit it was not apparent how the existing steel plates are anchored to the sidewalls. Please advise as to how these plates are anchored to the concrete block walls?	See Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		Addendum Wording – <i>EXISTING WALL-MOUNTED STEEL PLATES WILL REMAIN IN PLACE. INSTALL NEW SIDE-WALL BULLET TRAP, INCLUDING NEW STEEL PLATES OVER EXISTING STEEL. NEW STEEL PLATES WILL ALSO INCLUDE SEAM PLATES IN AREAS NOT COVERED BY EXISTING STEEL. PROVIDE SPACERS, SHIMS, OR OTHER MEANS AS REQUIRED WHERE EXISTING STEEL IS NOT PRESENT TO MAINTAIN STRAIGHT SIDE WALL BULLET TRAP INSTALLATION</i>	
17	June 25	Is it possible to have the tender period extended? With a statutory holiday in Quebec on Monday June 25th, the Canada Day on July 2nd as well as the Independence Day in the US on July 4th pricing this job in the current tender period will be challenging. Response – <i>AGREE</i>	Addendum wording by RCMP
18	June 25	Is it possible to be provided with a more detailed timeline for this project? At the site meeting it was mentioned that the expected start date was in November with completion in March due to the time it may take to procure materials specified for this project. Addendum Wording – <i>THIS INFORMATION HAS ALREADY BEEN PROVIDED IN INSTRUCTIONS TO BIDDERS</i>	See Addendum Wording
19	June 25	Will the range remain in use in between the date of tender award and the start date for construction? This may affect the existing conditions at the site. Addendum Wording – <i>THE RANGE WILL REMAIN IN USE RIGHT UP UNTIL THE START DATE FOR CONSTRUCTION WORK.</i>	See Addendum Wording
20	June 25	Is the range heated during the winter? Addendum Wording – <i>THE RANGE IS HEATED DURING THE WINTER</i>	See Addendum Wording
21	June 27	Will the Owner provide construction power (and pay for power usage costs) for working inside the existing building during the renovation period? Addendum Wording – <i>BID AS PER PLANS AND SPECIFICATIONS, REF. SPEC. SECTION 01 00 10 GENERAL INSTRUCTIONS</i>	See Addendum wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
22	June 27	Can the Owner provide water for construction purposes at no cost during the construction period? Addendum Wording – <i>BID AS PER PLANS AND SPECIFICATIONS, REF. SPEC. SECTION 01 00 10 GENERAL INSTRUCTIONS</i>	See Addendum wording
23	June 27	Reference Section 01 52 00, item 1.8 – Security–“Provide and pay for responsible Security Personnel to guard the site and contents after working hours and during holidays” – Is this really required, given the location of the project site? Addendum Wording – <i>REF. SECTION 01 52 00 CONSTRUCTION FACILITIES AND DELETE ITEM 1.8</i>	See Addendum wording
24	June 28	Who is responsible for the Building Permit? Addendum Wording – <i>BUILDING PERMIT IS NOT REQUIRED</i>	See Addendum wording
25	June 28	What will be the hours of work? Addendum Wording – <i>REF. SECTION 01 00 10 GENERAL INSTRUCTIONS AND REVISE ITEM 1.24.3 SO THAT MINIMUM PRIOR NOTIFICATION FOR WORK OUTSIDE OF NORMAL WORKING HOURS IS 5 WORKING DAYS INSTEAD OF 48 HOURS. THIS ITEM ALSO INDICATES HOURS OF WORK.</i>	see Addendum Wording
26	June 28	Who is the current Fire Alarm service Provider? Addendum Wording – <i>THE CURRENT FIRE ALARM SERVICE PROVIDER IS CHUBB EDWARDS</i>	see Addendum Wording
27	June 28	Who is the current Sprinkler company? Addendum Wording – <i>THE FIRE PROTECTION CONTRACTOR IS NOT SINGLE SOURCED.</i>	See Addendum Wording
28	June 28	Who is responsible for Fire Alarm bypasses during construction? Addendum Wording – <i>THE FIRE ALARM BYPASSES ARE THE RESPONSIBILITY OF, COORDINATED BY AND PAID FOR BY THE CONTRACTOR</i>	See Addendum Wording
29	June 28	What is the height of the ceiling?	see Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		Addendum Wording – <i>BASE BUILDING RECORD DRAWINGS INDICATE THAT THE HEIGHT OF THE EXISTING SUSPENDED ACOUSTIC TILE CEILING IS 2900 MM AFF, AND THAT THE TOP OF THE BLOCK WALL BEARING POINT FOR MAIN TRUSSES IS 6200 MM AFF</i>	
30	June 28	Some of the suppliers for this project are in USA and Canada and given the numbers of stat holidays, Can we possibly get an extension on closing? Response – <i>SEE QUESTION 17 ABOVE</i>	See above
31	June 28	Are we required to use any base building service provider? Addendum Wording – <i>THE FOLLOWING BASE BUILDING SERVICE PROVIDERS MUST BE USED: CHUBB EDWARDS (FIRE ALARM), JOHNSON CONTROLS (HVAC CONTROLS)</i>	see Addendum Wording
32	July 2	Upon careful review of the project documents I have discovered a discrepancy between the Ballistic Rubber Block spec and what is actually available. The spec section 11 67 23, page 4, item 2.2.5.1.2 states a block size of 610mm long x 355mm deep x 229mm high. The Dura-Bloc product standard size is 610mm x 305mm x 229mm as shown on the product data sheet from Range Systems website. Could you please confirm the desired size of this product? Addendum Wording – <i>REF. SECTION 11 67 23 AND ADD ITEM 1.1.3 AS FOLLOWS: .3 THE SPECIFIED BALLISTIC RUBBER BLOCK IS CUSTOM-MADE TO ADD THE PROPERTIES AND THICKNESS OF THE SPECIFIED 50MM THICK ACOUSTIC BALLISTIC RUBBER PANEL TO THE FACE OF A STANDARD 305MM THICK BALLISTIC RUBBER BLOCK TO CREATE A SINGLE PURPOSE-MADE ACOUSTIC-FACED BALLISTIC RUBBER BLOCK</i>	see Addendum Wording
33	July 2	I believe that the scale of drawing A201 is incorrect. It is listed as 1:100, but the dimensions do not match this scale. Please confirm if the scale is 1:50. Addendum Wording – <i>CHANGE SCALE REFERENCES FOR DETAILS 1, 2 AND 3/A201 FROM 1:100 TO 1:50</i>	see Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
34	July 3	<p>Relating to the HVAC controls, there are no parts of the specs for this, and therefore I'm assuming that there is no BAS. I want to confirm that there is none or, in the case that there is, which controls contractor installed the BAS, so that we may work with them to submit a bid?</p> <p>Addendum Wording – <i>AS NOTED IN THE DESCRIPTION OF WORK ON DRAWING M3, THERE IS MINOR CONTROLS WORK ASSOCIATED WITH THE REMOVAL AND REINSTALLATION OF AN EXISTING HUMIDISTAT AND THE VENTILATION SYSTEM CONTROLLER TO FACILITATE THE CONSTRUCTION. THE CONTROLS CONTRACTOR THAT SERVICES THE SITE IS JOHNSON CONTROLS INC.</i></p>	see Addendum Wording
35	July 3	<p>What is current makeup of firing range ceiling baffles (support structure)?</p> <p>Addendum Wording – <i>REFER TO DRAWING A111 FOR EXISTING BAFFLE CONSTRUCTION. EXISTING BAFFLES ARE CHAIN-SUSPENDED FROM EXISTING STRUCTURE ABOVE.</i></p>	see Addendum Wording
36	July 3	<p>What is current makeup of side wall protections coming out note 5 and 10 how is attached to walls?</p> <p>Response – <i>THE QUESTION IS NOT ENTIRELY CLEAR, BUT IF IT PERTAINS TO THE MEANS OF FASTENING THE EXISTING STEEL PANELS THAT ARE TO BE REMOVED FROM THE WALLS, REFER TO QUESTION 16 ABOVE</i></p>	See above
37	July 3	<p>How do we remove ceiling and walls at bullet ramp if we can't stand on it?</p> <p>Addendum Wording</p> <p><i>REFER TO DRAWING A201 AND CHANGE DRAWING NOTE 17 AS FOLLOWS:</i></p> <p><i>17. DO NOT DRIVE LIFT EQUIPMENT ON BULLET TRAP RAMP. PROTECT FROM NEW WORK</i></p> <p><i>REFER TO DRAWING A201 AND ADD THE FOLLOWING GENERAL NOTE:</i></p> <p><i>A. EXISTING BULLET TRAP MAY BE STOOD ON OR USED AS THE BASE FOR WORK PLATFORMS AS REQUIRED. PROTECT FROM DAMAGE AND PROVIDE TEMPORARY SHORING AS REQUIRED TO TRANSFER LOADS DOWN TO SLAB. WHEN BULLET TRAP IS USED TO SUPPORT WORK PLATFORMS OR THE WEIGHT</i></p>	see Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		<i>IN ONE PLACE OF MORE THAN ONE WORKER PROVIDE SHOP DRAWINGS STAMPED BY AN ENGINEER LICENSED IN THE PROVINCE OF ONTARIO. BE RESPONSIBLE FOR, AND CORRECT ALL DAMAGE TO BULLET TRAP CAUSED BY WORK AND PROVIDE INSPECTION REPORT BY BULLET TRAP MANUFACTURER AFTER WORK IS COMPLETE CONFIRMING THAT BULLET TRAP IS READY FOR ITS INTENDED USE.</i>	
38	July 3	Do we drywall plenum vertical shaft 2 layers 16mm DW or entire horizontal section as well? Addendum Wording – <i>BID AS PER PLANS AND SPECIFICATIONS</i>	see Addendum Wording
39	July 3	Do we build side wall fire rated strapping and plywood note 5 or 500 panels by others note 5 and 202 furring plywood acoustic treatment or 500 by others? Response – <i>THE QUESTION IS UNCLEAR.</i>	Further Clarification of Question Required
40	July 3	New acoustic ceiling sloping note 17. We remove a section and rebuild? Response – <i>SEE ITEM 15 ABOVE</i>	See above
41	July 4	Contractor would like to be listed as a certified manufacturer/vendor. Let me know if you need additional information. Response – <i>THIS QUESTION IS FOR ANOTHER PROJECT</i>	No Addendum Required
42	July 5	I was going over the ventilation last night and noticed the note indicating that the contractor is responsible for contracting the services of a structural engineer for the hangers and supports for the ductwork to be installed. Is this something I will have to carry or will Trottier? Either way, how am I to estimate material for hangers if we don't yet know what will be called for by the engineer only after the tender is awarded? Addendum Wording – <i>BID AS PER PLANS AND SPECIFICATIONS</i>	see Addendum Wording
43	July 5	Have a question regarding this tender. Would we be allowed to create a hole in wall of building large enough to bring material and material handlers inside? The single door at rear of range is simply too small for adequate access.	see Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		Addendum Wording – <i>THE 1200 MM WIDE DOOR INTO THE RANGE PROVIDES AS GOOD OR BETTER ACCESS THAN OTHER RECENTLY COMPLETED RCMP RANGE RENOVATIONS. BID AS PER PLANS AND SPECIFICATIONS.</i>	
44	July 5	With regards to Led Abatement of the range area, is the contractor responsible for control of material removed from the range area or is the contractor responsible for a complete decontamination of the range itself? Addendum Wording – <i>BID AS PER PLANS AND SPECIFICATIONS</i>	see Addendum Wording
45	July 5	The documents specify that the existing ventilation equipment may not be used for construction heat. That said the existing equipment provides airflow/ventilation exchanges that are far too high to be practical to provide temporary heat during the winter heating season, and in addition replacement of the filtration system at construction completion to maintain the warranty would be extremely costly. Amendment #3, question #3 indicated that the range is heated during the winter. The answer to this question may be misleading, and cause some parties to conclude that there is base building heat available during construction. There is not. Please advise all bidders that they will be required to provide building heat over the winter season using temporary heating equipment and subsequent fuel costs? Addendum Wording – <i>THE CONTRACTORS SHALL BE RESPONSIBLE FOR HEATING THE RANGE DURING CONSTRUCTION. THE EXISTING RANGE VENTILATION SYSTEM MAY NOT BE USED.</i>	see Addendum Wording
46	July 6	I have had long talks with the steel baffle suppliers and contractor who built the original shooting range and we are concerned that the existing structure may not be strong enough to support the new baffles. Are there provisions in place to structurally reinforce the existing open web steel joists supporting the roof system, will we be required to do this in order To install new baffles? Who will be responsible to engineer the system? Addendum Wording – <i>REF. SPEC. SECTION 13 54 00 AND CHANGE ITEM 1.4.3.2 AS FOLLOWS:</i>	see Addendum Wording

No.	Date Rec'd	Question response or addendum wording indented below question. Responses requiring further action before Addendum in <i>ITALICS</i> . Addendum wording in <i>BOLD ITALICS</i>	Status
		<p><i>.2 EXISTING STRUCTURE IS ADEQUATE TO SUPPORT THE ADDITIONAL WEIGHT ASSOCIATED WITH THE BAFFLES, PROVIDED THAT THE WEIGHT IS EVENLY DISTRIBUTED. NOTE THAT THERE IS CONCRETE ON THE ROOF DECK. THE EXISTING JOISTS SHOULD NOT REQUIRE REINFORCING. DESIGN AND ENGINEER THE BAFFLES AND BAFFLE SUPPORT SYSTEM, INCLUDING CONNECTIONS TO EXISTING STRUCTURE. INDICATE MATERIALS, CORE THICKNESSES, FINISHES, CONNECTIONS, AND JOINTS, METHOD OF ANCHORAGE, NUMBER OF ANCHORS, SUPPORTS, REINFORCEMENT, DETAILS, AND ACCESSORIES. VERIFY AND CONFIRM IN WRITING THAT SUPPORT CONDITIONS ARE LOCATED, DESIGNED AND ENGINEERED SO THAT EXISTING STRUCTURE IS NOT LOCALLY OVERLOADED, TAKING INTO ACCOUNT THE LOADS OF OTHER NEW AND EXISTING ROOF-SUPPORTED ITEMS. PROVIDE DETAILS FOR ALL POTENTIAL INTERFERENCES WITH BAFFLE SUPPORTS SUCH AS DUCTWORK INTO SHOP DRAWINGS.</i></p>	
47	July 6	<p>We are also very concerned for the demolition of the existing AR-500 steel plating on the existing to remain concrete block wall. This block wall is part of the exterior of the building and is load bearing, The steel plate is fastened to the wall in such a way that removing it will destroy the wall.</p> <p>Response – <i>SEE ITEM 16 ABOVE</i></p>	See item 16 above

ADDENDUM No. 1

Project Number: 7212283

The following changes in the bid documents are effective immediately. This addendum will form part of the contract documents.

DRAWINGS

1. **A201 BUILDING SECTIONS**
 - .a Refer to Detail 2/A202 NORTH/SOUTH BUILDING SECTION. Revise as indicated in ADD1-SK1 attached.
 - .b Refer to DRAWING NOTES A201 and revise as indicated in ADD1-SK1 attached.
2. **A202 DETAILS**
 - .a **ADD** Detail 8/A202 as shown in ADD1-SK1 attached.
 - .b Refer to DRAWING NOTES A202 and revise as indicated in ADD1-SK1 attached.

SPECIFICATIONS

1. Section 09 80 00 - ACOUSTIC TREATMENT

- a. Refer to 2.1.2.1 Product : SONEXone, manufactured by SONEX Acoustical Products, **DELETE** item 2.1.2.1.6 and **REPLACE** with the following :
 - .6 Noise reduction coefficient (NRC) designation: minimum 0.95 to ASTM C423. Acoustic treatment to also meet the following absorption coefficients within a maximum deviation of 10% lower in any octave band:
 - 125 Hz: 0.13
 - 250 Hz: 0.41
 - 500 Hz: 1.02
 - 1000 Hz: 1.18
 - 2000 Hz: 1.18
 - 4000 Hz: 1.13

2. Section 11 67 23 - BALLISTIC RUBBER BLOCK BULLET TRAP

- a. Refer to article 1.4 QUALITY ASSURANCE, **ADD** the following:

- .4 Submit acoustic test report tested according to ASTM C423 with A mounting for ballistic rubber blocks and acoustic ballistic rubber panels.
- b. Refer to article 2.2.5 Ballistic Rubber Blocks, **DELETE** item 2.2.5.1.7 and **REPLACE** with the following :
 - .7 Noise Reduction Coefficient (NRC) designation of minimum 0.65 and to meet the following absorption coefficients within a maximum deviation of 10% lower in octave band:
 - 125 Hz: 0.05
 - 250 Hz: 0.40
 - 500 Hz: 0.6
 - 1000 Hz: 0.7
 - 2000 Hz: 0.95
 - 4000 Hz: 1.15
 - c. Refer to article 2.2.8 Acoustic Ballistic Rubber Panels, **DELETE** item 2.2.8.1.8 and **REPLACE** with the following :
 - .8 Noise Reduction Coefficient (NRC) designation of minimum 0.65 and to meet the following absorption coefficients within a maximum deviation of 10% lower in octave band:
 - 125 Hz: 0.05
 - 250 Hz: 0.40
 - 500 Hz: 0.6
 - 1000 Hz: 0.7
 - 2000 Hz: 0.95
 - 4000 Hz: 1.15
 - d. Refer to article 2.2.9 Intumescent Coating, **DELETE** item 2.2.9.2 and **REPLACE** with the following:
 - .2 Colour: to Departmental Representative's Selection

3. Section 13 54 10 - ACOUSTIC BALLISTIC RUBBER PANELS

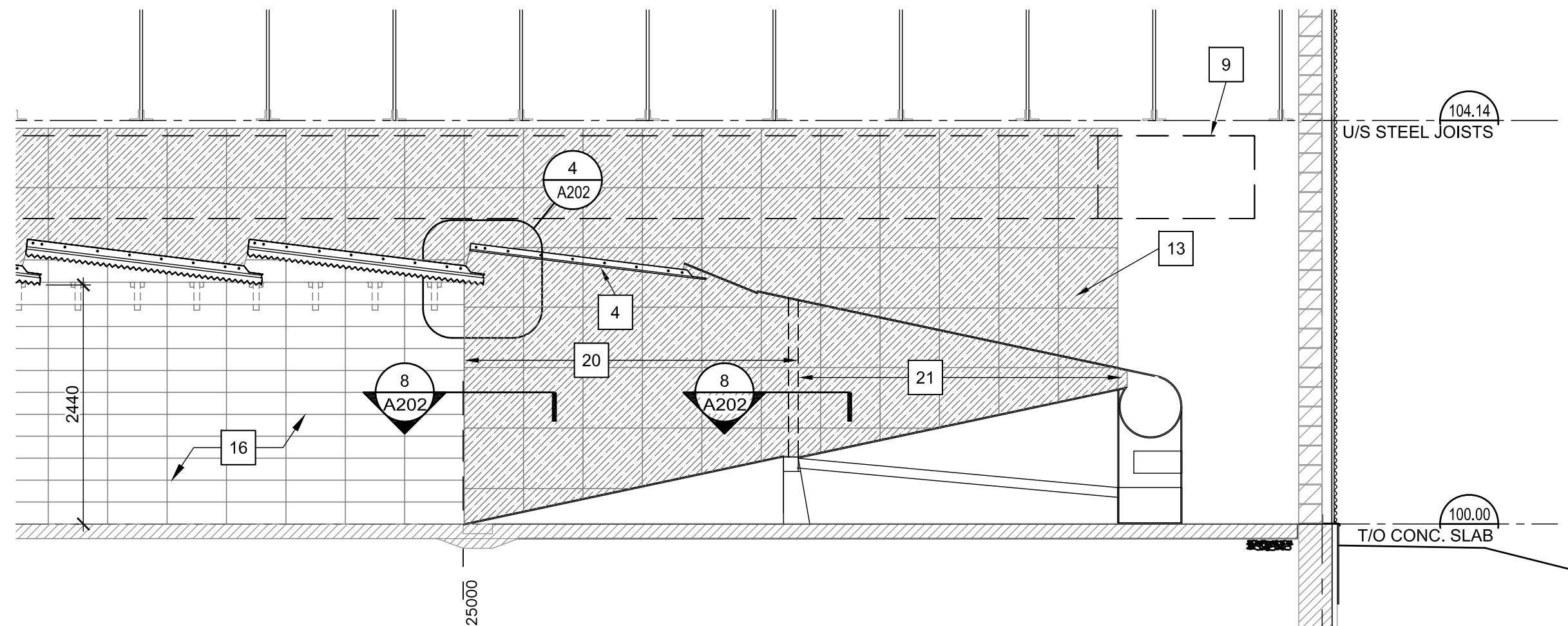
- a. Refer to article 1.3 SUMMARY, **ADD** the following to the end of 1.3.1:

This Section covers the panels behind the 0 Firing Line. All other acoustic ballistic rubber panels are covered by Section 11 67 23 BALLISTIC RUBBER BLOCK BULLET TRAP.
- b. Refer to article 1.5 QUALITY ASSURANCE, **ADD** the following:
 - .3 Submit acoustic test report tested according to ASTM C423 with A mounting for acoustic ballistic rubber panels.

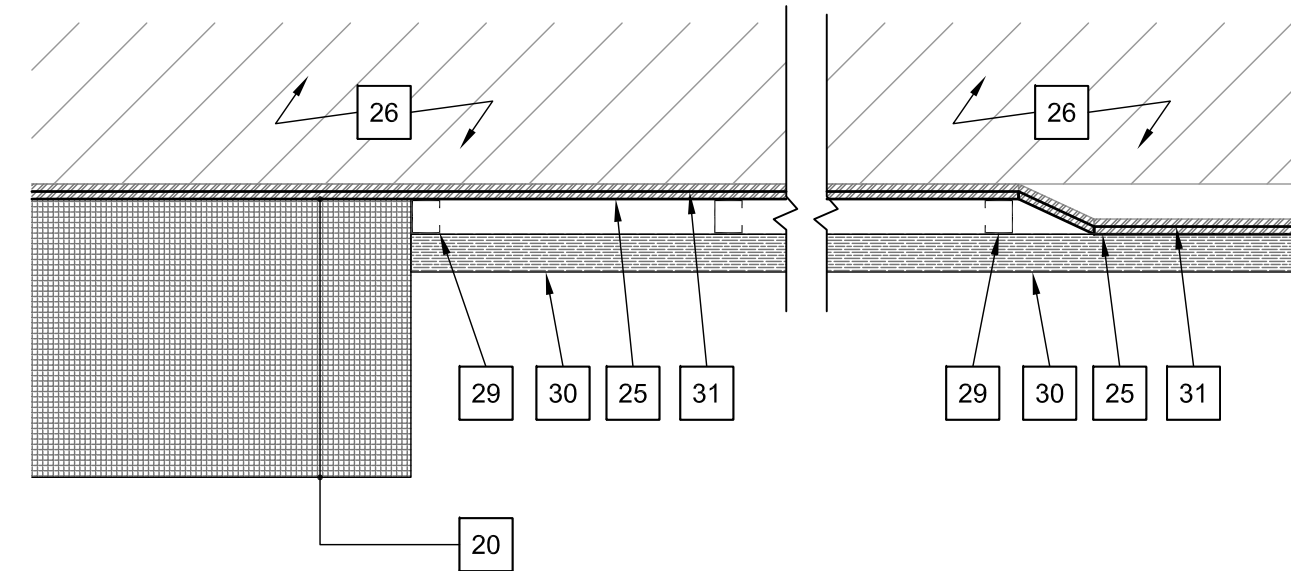
- c. Refer to article 2.1 ACOUSTIC BALLISTIC PANEL, **DELETE** item 2.1.1.8 and **REPLACE** with the following :
- .8 Noise Reduction Coefficient (NRC) designation of minimum 0.65 and to meet the following absorption coefficients within a maximum deviation of 10% lower in octave band:
- 125 Hz: 0.05
 - 250 Hz: 0.40
 - 500 Hz: 0.6
 - 1000 Hz: 0.7
 - 2000 Hz: 0.95
 - 4000 Hz: 1.15

Enclosures: Drawings ADD1-SK1

END OF ADDENDUM No. 1



2 NORTH/SOUTH BUILDING SECTION NEW (PARTIAL)
SCALE 1:50



8 PLAN DETAIL SIDEWALL BULLET TRAP AT TRAP
SCALE 1:50

DRAWING NOTES A201:
REVISED & SUPPLEMENTAL DWG. NOTES TO SHEET A/201

- 17. NOTE NOT USED.
- 20. -50mm BALLISTIC PANELS
-16Ga. VERTICAL FORMED CHANNEL TO CREATE AIRSPACE TO SUIT DEPTH OF OFFSET OF EXISTING BULLET TRAP SIDEWALL FROM CONCRETE BLOCK RANGE WALL. PROVIDE DOUBLE CHANNEL AT EACH JOINT AND AT MIDPOINTS OF PANELS.
-10mm AR500 STEEL PLATES ATTACHED TO EXISTING STEEL PLATE WALL FINISH
- 21. -50mm ACOUSTIC BALLISTIC PANELS
-10mm AR500 STEEL PLATES ATTACHED TO EXISTING STEEL PLATE WALL FINISH

DRAWING NOTES A202:
REVISED & SUPPLEMENTAL DWG. NOTES TO SHEET A/202

- 20. BALLISTIC RUBBER BLOCK BULLET TRAP:
-BALLISTIC RUBBER BLOCKS
-STEEL PLATES WITH SEAM PLATES (SEAM PLATES NOT REQUIRED WHERE THERE ARE EXISTING STEEL PLATES)
-EXISTING STEEL PLATE PARTIAL COVERAGE
-ENSURE THAT JOINTS OF NEW AND EXISTING STEEL PLATES ARE NOT ALIGNED.
- 29. 16 Ga CHANNELS FOR AIRSPACE.
- 30. ACOUSTIC BALLISTIC RUBBER PANELS.
- 31. EXISTING STEEL BULLET TRAP SIDEWALL.



revisions	description	date
1	ISSUED W/ ADDENDUM 1	2018/07/09

A C	A detail no. no. du detail B location drawing no. sur dessin no. C drawing no. dessin no.	A B C
--------	--	-------------

project IFR UPGRADES
OTTAWA ONTARIO

drawing **DETAIL 2/A201 (REVISED)**
DETAIL 8/A202

Designed By	PK/RR	Conçu par
Date		(yyyy/mm/dd)
Drawn By	PM	Dessiné par
Date		(yyyy/mm/dd)
Reviewed By	RR	Examiné par
Date		(yyyy/mm/dd)
Approved By	RR	Approuvé par
Date		(yyyy/mm/dd)
Tender		Soumission
Project Manager	SCOTT HEWTON Administrateur de projets	
Project no.	7212283	No. du projet
Drawing no.	ADD1-SK1	No. du dessin



Royal Canadian Mounted Police Gendarmerie royale du Canada

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.