



593-2024B ADDENDUM 14

CONSTRUCTION OF NORTH GARAGE REPLACEMENT

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
BID/PROPOSAL**

ISSUED: May 28, 2025
BY: Arthur Anderson
TELEPHONE NO. 204 801-7579

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2024-02-01

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

FORM B: PRICES

Replace: 593-2024B Form B: Prices with 593-2024B Addendum 14 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R4): Minor revisions to Items G.10; G11 and deletion of Item E.13

Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Delete: B13.4 (c)

DRAWINGS

Architectural

Add: 593-2024B_Addendum_14_Sketch_Q10-R0
593-2024B_Addendum_14_Sketch_Q14-R0
593-2024B_Addendum_14_Sketch_Q17-R0
593-2024B_Addendum_14_Sketch_Q61-R0
593-2024B_Addendum_14_Sketch_Q72-R0
593-2024B_Addendum_14_Sketch_Q78-R0
593-2024B_Addendum_14_Sketch_Q94-R0

Civil

The following Civil drawings are to be replaced and are included in PDF file 593-2024B_Addendum_14_Drawing_Civil_IFC-3:

Replace: 593-2024B_Addendum_9_Drawing_00-C-009_IFC-R2 with 593-2024B_Addendum_14_Drawing_00-C-009_IFC-R3

593-2024B_Addendum_9_Drawing_00-C-010_IFC-R2 with 593-2024B_Addendum_14_Drawing_00-C-010_IFC-R3

Structural

Replace: 593-2024B_Addendum_7_Drawing_00-S-001-A_IFC-R2 with 593-2024B_Addendum_14_Drawing_00-S-001-A_IFC-R3

Mechanical

Replace: 593-2024B_Addendum_11_Drawing_00-P-502_IFC-R2 with 593-2024B_Addendum_14_Drawing_00-P-502_IFC-R3

NMS SPECIFICATIONS

Section 01 23 00 01 Alternatives

- Revise 1.2.6.3.1 to read:
- b. Deletion of foundation, floor slab, superstructure, roof structure, roof finishes and roof anchors from grid line "R" to grid line "~~U.1~~T", between grid lines 4 and 23.
 - c. Deletion of exterior wall and O/H doors along grid line "23", between grid line "R" to grid line "~~U.1~~T".
 - d. Deletion of interior firewall partition and fire shutters along grid line "4", between grid line "R" to grid line "~~U.1~~T".
 - ~~e. Deletion of the exterior wall along grid line "U.1", between grid lines "7.1" and "23".~~
 - e. Deletion of exterior wall type EW4 and 7 (seven) exit doors along grid line "T", between grid lines "4" and "23", and grade beam extension curb, 200mm above FFE.**
 - g. Addition of exterior wall type EW4 along grid line "4", between grid line "R" to grid line "~~U.1~~T". Provide grade beam extension curb, 200mm above FFE.
 - ~~h. Conversion of the interior wall from grid lines 4 and 7.1 into the exterior wall type EW1. Provide grade beam extension curb, 200mm above FFE.~~
 - hi. Addition of roof anchors along the roof edge, north of grid line R, between grid lines "4" and "23", and along grid line "4", between grid line "R" to grid line "~~U.1~~T", and between gridlines "4" and "7.1", along gridline "U.1".**
- Revise 1.2.6.3.2.a. to read:
- Deletion of all electrical scope, lighting, fire alarm, power and comms devices, conduits and cabling that service the area from grid line "R" to grid line "~~U.1~~T", between grid lines 4 and 23, ~~along the exterior wall along grid line "U.1", between grid lines "7.1" and "23", and the exterior wall along grid line "U.1", between grid lines "7.1" and "23".~~
- Delete 1.2.6.3.2.b
- Revise 1.2.6.3.3.a to read:
- Deletion, Relocation and Revision of all Mechanical scope, plumbing, HVAC, Fire Protection, HVAC controls and Industrial that service the area from grid line "R" to grid line "~~U.1~~T", between grid lines 4 and 23, ~~along the exterior wall along grid line "U.1", between grid lines "7.1" and "23", and the exterior wall along grid line "U.1", between grid lines "7.1" and "23" with exception of:~~

- Revise 1.2.6.3.4.d to read: Site area created by the deletion becomes an extension of the granular area south of grid-line "~~U-1T~~".
- Revise 1.2.6.3.4.e to read: Excavate and dispose of material as per Contract Administrator instruction to building foundation at grid line "R" and grid line "~~U-1~~" & "~~7-1T~~".
- Replace: SK-6A: Separate Price-Item No.6 - R0 in Addendum 9 with SK-6A: Separate Price-Item No.6 - R1 in Addendum 14.
- Replace: SK-6B: Separate Price-Item No.6 - R0 in Addendum 9 with SK-6B: Separate Price-Item No.6 - R1 in Addendum 14.
- Delete: SK-6C: Separate Price-Item No.6 - R0 in Addendum 9.

Section 01 50 00 Temporary Facilities and Controls

- Revise: 2.1.22 to read: Provide Wi-Fi and high-speed mobile Internet (minimum internet speed of **250 Mbps download and 100 Mbps upload**) access suitable for a unlimited monthly usage. Pay for the monthly charges by the Internet service provider. Internet access shall be designated for the Contract Administrator's trailer and shall not be shared with the Contractor's trailer.
- Delete: Section 05 05 18 Shop Applied Coatings for Structural Steel.
- Delete: Section 05 40 00 Cold Formed Metal Framing

Section 05 50 00 Metal Fabrications

- Revise: 3.3.5.2.1 in its entirety to read: ~~Bollard Sleeves: Extruded, high-density polyethylene plastic bollard cover,~~ **Exposed Bollard: Hot-dip galvanized after fabrication, ready for painting by Section 09 90 00 – Painting.**
- Revise: 3.3.5.7 to read: Frames for Overhead Doors:
- .1 Supply and install 6 mm (1/4") thick bent steel plate around openings at heads and jambs to suit wall thickness and return ~~75~~ **152mm (3 6")** on ~~either~~ **inside** of wall face. Provide extensions on interior side at head to accommodate track and operators to suit doors specified.
- Delete: 3.3.5.16
- Add: 3.3.18 Column Protectors:
- .1 Linear low-density polyethylene formed cover, formed to size to tie fit around steel metal columns.
 - .2 Cover size: To match designed column sizes and shapes.
 - .3 Acceptable Product: Column Sentry Series by Sentry Protection Products.

Section 07 95 13 Expansion Joint Assemblies

- Add: 2.1.2 Alternate approved manufacturer: Redline by Situra Inc.; product selected must meet all installation requirements.

Section 08 71 00 Door Hardware

Replace: Section 593-2024B_Addendum_12_NMS_08_71_00_Door_Hardware_Schedule-R3.pdf

Section 09 21 00 Gypsum and Cement Board Assemblies

- Add: 2.4.6.1.1 Acceptable products: Sikasil-728 NS by Sika, Pourthane HS Joint Sealant by W.R. Meadows, or approved equivalent.
- Revise: 1.4.2 to read: Lateral loading, Typical Partitions: Design and install gypsum board components so that the completed partition will withstand a minimum inward and outward ~~pressure of 240 Pa~~ **wind pressure** normal to the plane of the wall. **Refer to Section 05 41 00 Structural Metal Stud Framing for the design wind pressure.**
- Revise: 1.4.3 to read: Loading Criteria, Special Partitions: Design and install gypsum board components so that the completed system will withstand the minimum inward and outward ~~pressure of not less than 480 Pa~~ **wind pressure** normal to the plane of the wall. **Refer to Section 05 41 00 Structural Metal Stud Framing for the design wind pressure.** This criterion shall apply to the following areas:
1. Partitions surrounding stairs.
 2. Partitions surrounding plenum and air shafts
 3. Partitions surrounding atriums.
 4. ~~Partitions Surrounding Elevators Shafts.~~

Section 10 56 13 Metal Storage Shelving

- Revise: 2.1.1 to read: Metal storage shelving shall conform to the following requirements:
- .1 Heavy-duty shelves: **Steel construction, 14 gauge thick, pre-painted finish.**
 - .1 **Type: Close box boltless shelving.** 14 mm (9/16") in height and be formed of 1.2 mm (18 gauge) cold rolled steel with flanges on all four sides.
 - .2 **Capacity: Minimum 363 kg (800 lbs) per shelf.** Front and rear flanges: turned "down" and "in".
 - .3 **Dimensions: 1220 mm (48") wide x 460 mm (18") deep x 1905 mm (75") high.** Shelves to be adjustable on 38 mm (1-1/2") centers vertically.
 - .4 **Basis of Products: Spider Shelving System Closed Shelving by Rousseau Metal.** Shelves to be supported front and rear by two shelves supports of 1.9 mm (14 gauge) hot rolled steel.
 - .5 Full depth (or through) shelves shall have mounting holes for attachment of optional center stop.
 - .6 Height of shelf (with heavy duty shelf support): 31 mm (1-1/4").
 - .2 Uprights:
 - .1 Consisting of 1.2 mm (18 gauge) cold rolled steel formed into either a 50 mm (2") wide "Tee" shape common post, or a 25 mm (1") wide "Angle" shape end post.

- ~~.2 Keyhole shaped slots are placed on 38 mm (1-1/2") centers vertically on the inner face of the posts.~~
- ~~.3 "Closed" uprights shall have a 0.5 mm (24 gauge) closure panel between the posts.~~
- ~~.4 "Open" type uprights shall have a minimum of three 75 mm (3") wide x 1.2 mm (18 gauge) spacers between the posts.~~
- ~~.3 Shoes: Form shoes from two steel plates of minimum 1.8 mm (13 gauge) x 190 mm (7-1/2") high die punched and formed plates with reinforcing ribs spot welded together. Equip all shoes with double 4 prong position system and lock in place for "positive" assembly with two machine bolts of 9.5 mm (3/8") diameter.~~
- ~~.4 Levellers: Equip each post and shoe with adjustable type floor levellers, capable of adapting to floor irregularities.~~
- ~~.5 Post Covers: Top all vertical posts with minimum 0.8 mm (20 gauge) steel post covers. Finish to match shelves.~~
- ~~.6 Shelf Deck: 19 mm (3/4") thick plywood shelf deck sheathing, exterior grade Douglas Fir plywood, veneer core, Select Sheathing - Tight Face, unsanded, "B" faces.~~

Delete: 2.2.7

Section 10 56 16 Parts Storage Shelving and Towers

Revise: 1.7.4 to read: Design each shelf to sustain a uniformly distributed load of a minimum **488 kg/m² (100 psf)** ~~900 kg (2000 lbs.)~~ per shelf, with a maximum allowable deflection of 5 mm (3/16").

Revise: 2.1.3 to read: Parts Storage Tower Carousel (**VLM**):



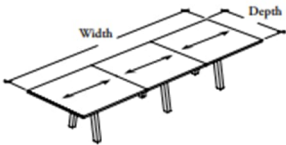
Section 12 59 00 Workstation System Furniture

Delete: 2.2.13.2

Section 12 59 01 Work Station System and Furniture Schedule

Delete: R-1 Area Rug from 1.3 Work Station System and Furniture Schedule

Revise the below items in 1.3 as follows: WORK STATION SYSTEM AND FURNITURE SCHEDULE

TB-2A	Break Room Table Standard not provided	Teknion Banqs Tables Flat Base <ul style="list-style-type: none"> Break room table w/ 4 flat prong base H29" W30" D30" Plastic Laminate finish white, painted metal frame 
TB-2B	Break Room Table Standard not provided	Teknion Banqs Tables Flat Base <ul style="list-style-type: none"> Break room table w/ 4 flat prong base H30" W48" D30" Plastic Laminate finish white, painted metal frame
TB-3	Conference Table Conference tables for small and medium meeting rooms should be sized according to the size of the space. They should be constructed of laminate with high pressure tops and low-pressure laminate or powder coated metal bases. The top will feature an inset power module with outlets for power, usb, and telecom 	Teknion Workshop Conference Table <ul style="list-style-type: none"> To match standards Break room table w/ 4 prong base. Alternate base style is acceptable. H29" W120" D54" Tabletop power/data/telecom modules Plastic Laminate finish, painted metal frame 

Section 25 00 00 Building Automation System (BAS)

Revise: 2.20.18.11 to read: Acceptable Manufacturers: Veltron DPT, Ebtron Inc., **Johnson Controls AD-1272**, Hybrid Series and Sensoco Inc.

Section 26 23 00 – Low Voltage Switchboards

Add: 2.1.22.4 Siemens

Add: 2.2.17.5 Siemens

Section 26 50 00 – Lighting

Add: 2.4.4.6.6 Cooper Lighting Controls

Replace: Section 32 31 13 Chain Link Fencing and Gates with 593-2024B_Addendum_14_NMS_32_31_13-Chain_Link_Fencing_and_Gates-R1

QUESTIONS AND ANSWERS

Q1: Questions for clarification regarding the City of Winnipeg North Garage Replacement project, specifically Section 12 59 00 – Workstation Systems and Furniture:

General

- 1) Will the furniture portion of the project be awarded to a single vendor, or will it be open to multiple vendors?
- 2) Can vendors submit bids for individual furniture items, or is it required to bid on all items within this section?
- 3) If a furniture manufacturer is listed as an Approved Manufacturer under Section 2.1, do we still need to submit a request for alternate approval if the proposed product is not the basis of design?

Section 1.8.2.2 – Submittals

- 1) Please confirm whether four sets of finish samples are required at the time of bid closing or only upon award.

Section 1.7.4 – Source Limitation

- 2) Could you please clarify whether furniture from multiple manufacturers may be submitted, or if a single-source manufacturer is required?

Section 2.2.13 – Materials

- 3) Commercial furniture is typically not treated with Scotchgard, as it is designed for commercial use. Can you confirm whether this specification is mandatory, or if it can be removed?

Section 1.3 – Workstation System and Furniture Schedule Specifications

- 4) WS-2: It is noted that power access is required "above and below the worksurface." Would a desktop-mounted power module satisfy the requirement for power above the worksurface?
- 5) CH-3: Is a 300 lb. minimum weight capacity acceptable for this chair?
- 6) TB-2A: The table specification mentions both a flat base and a 4-prong (X) base. Please confirm which base type is required.
- 7) TB-3: This table is noted to have 4-prong bases but is 120" long. Can alternative base styles be considered due to the size?
- 8) PM-1: The spec and photos show only power outlets and two USB ports, but "1 data" is also mentioned. Is it acceptable to provide power modules with only power and USB ports, or must data be included?

A1: General

- 1) Furniture is under Contractor scope. Furniture procurement can be through multiple vendors by the Contractor.
- 2) This will be up to the individual Contractor. The Contact Administrator will not define this requirement.
- 3) No, however the proposed alternative must meet or exceed basis of design requirements for Furniture.

Section 1.8.2.2 – Submittals

- 1) During the construction phase, four sets of samples are required in accordance with the applicable furniture specifications.

Section 1.7.4 – Source Limitation

- 2) Multiple manufacturers are acceptable.

Section 2.2.13 – Materials

- 3) The requirement has been deleted in this Addendum.

Section 1.3 – Workstation System and Furniture Schedule Specifications

- 4) Follow the current specifications.
- 5) Follow the current specifications.
- 6) The base shall be flat and has been clarified in this Addendum.
- 7) Yes. This has been clarified in this Addendum
- 8) Follow the description in the specification schedule.

Q2: Heat Trace Locations - Locations for heat tracing (including those for condensate lines, roof drains, sanitary lines and storm drain discharges) shown on mechanical do not match those shown on electrical. Please confirm the number of heat trace controllers and heat trace jb's shown on electrical are correct.

A2: Heat tracing to be coordinated with Mechanical Drawings and Specifications. Reference Addendum 11 for Electrical heat trace Drawings.

Q3: Unit Prices, G.2 Soil Remediation and G.19 Division 31 - Earthwork

- a) Is the intention with the “site work unit rates” section A of the bid form, to include excavation and backfill to underside of slab granulars within the building footprint as well, including all sub-base, geogrid, geotextile, base course?
- b) Confirm, detailed excavation within the building footprint (e.g. pile caps, grade beams, pile pre-bores) are intended to be included within item G.19?
- c) What is intended to be included in item G.2? The unit rates for contaminated soils within section A unit prices are intended to remove the unsuitable material from the site. Is there an expectation that there is remaining contaminated or unsuitable soils within the building footprint? If so, what depth should the contamination be assumed to?
- d) Confirm, are the slab granulars within the building footprint, including geotextile and geogrid, to be included as a lump sum under item G.19?
- e) If question 4 (d) is a yes, what happens if we are required to excavate deeper due to contaminated soils? Will that be treated as unit rates by section A?

- A3:
- a) The excavation quantities in Form B, Part A include excavation under the building footprint to a depth of 1.05 m below the finished floor elevation. The quantities listed in Form B, Part A do not include geogrid, geotextile, sub base, base course or other backfill under the building as referenced in Addendum 11.
 - b) Yes, excavation of pile caps, grade beams, etc. must be included in the lump sum bid price for item G.19.
 - c) Item G.2 has been deleted from Form B. The excavation quantities in Form B, Part A include excavation under the building footprint to a depth of 1.05 m below the finished floor elevation. Clean and contaminated material removed during this excavation are quantified separately in Part A. Contaminated material below the 1.05 m excavation depth is to remain in situ.

- d) Yes, slab granulars within the building footprint, including geotextile and geogrid, are to be included in the lump sum bid price for item G.19.
- e) The excavation quantities in Form B, Part A include excavation under the building footprint to a depth of 1.05 m below the finished floor elevation. Clean and contaminated material removed during this excavation are quantified separately in Part A. Contaminated material below the 1.05 m excavation depth is to remain in situ.

Q4: G.19 Earthwork Spec Section 31 23 33 - 1.1 Work Includes

- a) Confirm item .1 pile pre-boring is not to be part of this G19 Excavation pay item and should be part of the piling price as the piling trade will include pile pre-boring with their price in G19?
- b) Confirm item .2 Excavation for automatic barrier fence gate(s), chain link fencing and gates, metal fencing and gates, exterior and interior signage(s) and utility lines and hardware is not to be part of this G19 pay item.
 - a. Fencing trades will include all their excavation and backfill they require with their chain link fencing / gates and automatic barrier fence gates pricing elsewhere in the bid form in E.8.
 - b. Signage trades will include any excavation and backfill they require with their pricing in E.13.
 - c. Utility lines and hardware trades will include any excavation and backfill they require with their pricing in G.22.
- c) Confirm item .4 Backfill under the proposed approach slabs around the building, as indicated on Civil and Structural drawings is to be part of the unit prices in Part 1 A of the Bid Form as there are currently no approach slabs shown on the Civil drawings.

- A4: a) Yes this is acceptable. The Contract Administrator is not attempting to define nor alter existing Subcontractor trade definitions within Form B nor the specification sections.
- b) Reference responses below:
- a. Yes, this is acceptable. The Contract Administrator is not attempting to define nor alter existing Subcontractor trade definitions within Form B nor the specification sections.
 - b. Yes, this is acceptable. The Contract Administrator is not attempting to define nor alter existing Subcontractor trade definitions within Form B nor the specification sections.
 - c. Yes, this is acceptable. The Contract Administrator is not attempting to define nor alter existing Subcontractor trade definitions within Form B nor the specification sections.
- c) Form B Part A does not include quantities for granular backfill under the approach slabs. These are to be bid as part of the Lump Sum for item G.19.

Q5: Further question for clarification regarding the specification Section 08 36 16 for Overhead Door operators

In section 08 36 16 part 2.6.1, the written specification calls for ½ HP door operators. In our experience, these operators will NOT be sufficiently sized to move the large doors on the project. See below for list of doors and recommended operators:

(11) Doors that we can use the ½ H.P. Operators on. (2)- that will require ¾ H.P. units and then there are (19) units, the larger doors that doors that will require 1 H.P., the large Standard Lift doors will have dual trolleys.

Below is the list of sectional doors:

- (5)- 25' 2"x 14' 0" #3720 White
- (1)- 27' 2" x 14' 0" #3720 White
- (11)- 24'2 x 14' 0" #3720 White
- (1)- 10' 2" x 14' 0" #3720 White

- (8)- 12'2" x 14' 0" #3720 White
- (2)- 24' 6" x 14' 0" #3720 White
- (2)- 19' 2" x 14' 0" #3720 White
- (1)- 8'2" x 14' 0" #3720 White
- (1)- 9'8" x 14' 0" #3720 White

(32) Doors Total

If 1/2HP operators are used on the 19 large doors, there will certainly be product failure. We recommend revising specification to require operator sizes as noted above with dual trolley operators for the large doors to avoid a potentially costly change order during the course of construction.

A5: Reference Section 08 36 16 – Sectional Overhead Doors as referenced in Addendum 12.

Q6: Fueling Lanes

- a) Please confirm that "Diesel Fuel Dispensing Pump House" is the Prefabricated Steel Building Listed in Section 13 34 00.
- b) Provide Slab and Foundation Details for the "Diesel Fuel Dispensing Pump House" drawings call out EQ PD.
- c) Please confirm that the 150mm reinforced concrete paving listed on sheet 00-C-009 is all that is required, if not provide Slab and Foundation Details for remaining Fuel Dispensing Area.

A6: a) Correct.

- b) Refer to exterior concrete pad Detail 1 or 1A on Drawing 00-S-002 for the concrete base slab of the Diesel Fuel Dispensing Pump House (Diesel Pump House). Provide 200X200 concrete curb along the perimeter wall of the pump house except at door location. Refer to Detail 7/00-S-001 for curb detail.

- c) The concrete slab of the Diesel Fuel Dispensing area is to be constructed of 300 thick insulated exterior concrete pad as per Detail 1 and 1A on Drawing 00-S-002. Note 3 on dwg 00-C-009 was updated in Addendum 9 to list 300mm reinforced concrete for the concrete slab in the fuel tank area.

Q7: Section 32 31 13 Chain Link Fencing and Gates

- a) Spec calls for twisted selva Top and Bottom, drawing calls for top twisted, bottom knuckled, please confirm which is correct
- b) Access Gate widths not shown
- c) Specs calls for .148" gauge on chain link mesh. Is that before or after PVC coating?

A7: a) Reference Section 32 31 13 – Chain Link Fencing and Gates updated in this Addendum 14.

- b) Reference Detail 6/00-L-502.

- c) Reference Section 32 31 13 – Chain Link Fencing and Gates updated in this Addendum 14.

Q8: Section 10 56 16 Parts Storage Shelving and Towers - Parts Storage Tower Carousel

Please clarify if a vertical lift module (VLM) is required instead as a traditional carousel does not meet requirements specified.

A8: A VLM-Vertical Lift Module is required. Reference this Addendum 14.

Q9: Will GUL cement be acceptable for the concrete aspect of this project?

A9: GUL cement is acceptable, except that GUL cement cannot be used in Class S-2 Concrete Mix referenced in Schedule A – Concrete Mix, of Section 03 30 00 – Cast-In-Place Concrete. Reference Addendum 12.

Q10: On the storage garage mid-roof between grid line 3.2 & 4, the structural slope changed direction from the original roof plan. This now create ponding water along grid line 3.2 and 4. The crickets drawn will also not provide any water diversion. Please advise on new slope layout/drain locations. Also advise on which roof type as it has also been removed from the roof plan.

A10: Reference Drawing 20-A-420 in Addendum 7 as the slopes are shown correctly in this area. Reference Addendum Architectural Sketch Q10-R0 which modifies the sloped insulation direction and indicates the roof type.

Q11: On page 15/34 in the Addendum 9 file, under #2.1.2 now Garaga G5000 has been approved for High Speed Rapid Rolling Doors; just want to clarify here, Garaga G-5000 is a Normal Sectional Overhead door and Not a High Speed Door;

Please clarify if G5000 is actually acceptable for all High speed doors (SPD-1 type) or its only applicable to Door 30-120B & 30-120C

A11: No, Garaga G-5000 is only to apply to Sectional Overhead Doors as referenced in Addendum 12 Section 08 36 16 Sectional Overhead Doors. Also, reference Addendum 12 Section 08 33 53 High Speed Rapid Rolling Doors "Delete: 2.1.2.2." which deleted reference to Garage G-5000 in the High Speed Rapid Rolling Doors section.

Q12: For OH1 type doors (30-122B, 30-123B, 30-124B, 30-125B and 30-126B), its Non-Insulated (as there is No Check mark in the door schedule under INSULATED column); although as per specs, all the spec'd models for the OH-1 type doors (such as T-175 from Richard Wilcox or 3718 from Clopay) are all R-16 insulated doors.

Please clarify, for these 5 doors is the specs under Section 08 36 16 is applicable or there is any other specs applicable for these doors.

A12: All OH-1 Door type listed in Door Schedules are not checked as insulated because they are not required to be. Nonetheless, because these are wide door panels some fabricants recommend the insulation to act as the panels core to achieve a sound structural integrity, therefore the model specified comes with core insulation. With those doors being insulated, it also mitigates the climate control differential between the Repair and the Garage Storage areas.

Q13: For OH1 type doors (30-110C, 30-111D, 30-112AB, 30-112AC, 30-112BC, 30-112BD, 30-113C, 30-117C, 30-121A, 30-122A, 30-123A, 30-124A, 30-125A, 30-126A), there is nothing mentioned in the MATERIAL column of DOOR SCHEDULE (for example in all OH1 type door in Storage Garage area its denoted as MTL, which is Metal), and when I check the Spec sheet in Section 08 36 16 under #2.3.1 the doors should come with steel door panels;

Please clarify if Section 08 36 16 is applicable to these doors or is any other specs for these doors.

A13: These refer to the same material, steel panel is MTL; MTL refers to material property, in this case steel panel.

Q14: There is a General Note described on all Door schedules, as quoted here "For all Doors receiving Bus traffic: Provide Induction Loop and Traffic Signal on Door's approach side (to bus traffic flow). Traffic Signal to be mounted on Left Side of Door".

Can we get a list of all the doors receiving bus traffic or even a remark on the door schedules applicable for this particular point? as from the Plan drawing its hard to figure out which doors are entry only doors and which are exit only doors.

A14: Reference Addendum 14 Architectural Sketch Q14-R0, adding the induction loop information.

Q15: The latest addendum changed the mulch quantity and thickness E7 mentions 100mm with a quantity of 215 m³. 215m³ with thickness of 100mm won't cover the mentioned bed areas. Also If they could recommend a source

for "Pine bark mulch" that would be great. They had originally mentioned a supplier out of Southern Ontario but the recent addendum cut that. I have reached out to a few suppliers around Winnipeg and no one carries a product like that. The closest I found was a cedar bark but that comes out of Alberta.

A15: Quantity of mulch has been confirmed. 215m³ results in 2150m² of mulch. Reference Form B and "natural wood chip mulch" and the deletion of pine bark mulch as referenced in Addendum 12 Section 32 93 53 – Planting of Trees, Shrubs and Ground Cover.

Q16: Section 05 05 18 Shop Applied Coating for Structural Steel issued in Add. #9 is indicating that the paint system including the finish coat is to be shop applied. This would be a mistake because the steel will get scratched and marked up in the handling and erecting process. As well, both joist suppliers are in Alberta and they would have to wrap the joists and joist girders in protective packaging to prevent damage to the paint job while being shipped to Winnipeg. The finish coat needs to be field applied not done in the shop.

Also, a further consideration would be to hot dip galvanize all of the structural steel, joists and joist girders as this will cost less money than the paint systems specified. The advantage of galvanized steel is that you wouldn't have to top coat it and it would be much more durable over its lifespan. Please advise if this would be an option.

A16: As referenced in Addendum 14, Section 05 05 18 – Shop Applied Coating for Structural Steel has been deleted. Reference the Drawings and Specifications for components that require hot dip galvanizing vs painting.

Q17: A question about the cantilever racking (see snip from drawing 30-A-401 below). What capacity do you need for the cantilever rack system arms (60" Long)?

A17: The 1.5 m (60 inch) long cantilevered rack arms are required to have a minimum capacity of 750kg (1650 lbs) per arm. Reference Addendum 14, Architectural Sketch Q17 for additional information.

Q18: A question about the cantilever racking (see snip from drawing 30-A-401 below). Is 1800 mm (70") the height of the top level or the height of the columns?

A18: The cantilever rack frame height is to be of suitable height so that the uppermost cantilevered arm will have a top of arm height of 1800mm (70") above finished floor. Reference Addendum 14, Architectural Sketch Q17 for additional information.

Q19: Spec. 26 23 00 R1

- a) 2.1.16 refers to switch and fuse distribution section. Can you please confirm which distribution is fusible?
- b) 2.2.2 refers to insulated case breakers. Is the customer looking for air circuit breakers for the mains in SWBD-14, 6DP-02, 6DP-03, 6DP-04, 6DP-06, 6DP-07, 6DP-08 & 6DP-09?

A19: a) Switch and Fuse distribution section for switchboards is not required as per single line diagram drawings.

- b) In accordance with Section 26 23 00 - Low Voltage Switchboards as referenced Addendum 9, clause 2.2.11.1 and clause 2.2.11.2, main breakers to be moulded case circuit breaker or insulated case.

Q20: Which one of the following will supersede in case of any discrepancy Panel Schedule, SLD or Spec. as we sound out discrepancy in breaker Amperages and counts between SLD and Panel schedule also enclosure type between drawings and panels schedule comparing to the spec.

A20: Contractor to follow panel schedules, single line diagrams and electrical specifications for breaker amperages, quantities, and enclosure type requirements. Addendum #7 Electrical Drawings have revised breaker amperages and quantities and have addressed questions related to Panel Schedules and Single Line Diagrams.

Q21: Addendum 12 – Q195

In regard to the Spec Section 05 05 18 Shop Applied Coating for Structural Steel, we are suggesting that AECOM and COW consider the following options:

Option 1 – Carry a cash allowance for all painting touch ups and repairs on site due to damages of steel from transportation and installation as this would be an unknown cost.

Option 2 – Revise the finish coating of the steel to be completed on site and only complete prime paint in the shop.

Structural steel is normally primed in the shop and sent to site for erection with all touch ups and finish coating being done afterwards on site.

As this project is expected to be over budget there are added costs from finish painting in the shop and adding protection costs to deliver to the site, additional labour productivity costs for going slower when installing the steel to not damage the finished coating, and also the painting trades are having to add costs for protection of the steel after installed if they are painting adjacent to the steel so not to get any of their painting on the finished steel coating.

A21: As referenced in Addendum 14, Section 05 05 18 – Shop Applied Coating for Structural Steel has been deleted. Reference Section 09 90 00, for shop applied primer.

- Q22:
- a) Specification Section 05 41 00, item 2.1.3 notes for interior walls to be designed for a pressure of 0.75kPa except for the admin area 0.48kPa. Specification section 09 21 00, item 1.4.2 calls for a design pressure of 240Pa which is contradictory to the outline design in section 05 41 00. Please confirm which design parameters we are to adhere to.
 - b) Item 2.2.1.2.4 makes note to provide metal studs with integrated fastening system for glass fibre/mineral fibre insulation. Can you please clarify with a detail for what is being asked here? This is not familiar to us.
 - c) Item 2.4.3 refers to galvanized steel corner bead, casing bead and control joints. These items are generally not used in commercial construction any longer and have been replaced with paper faced metal or vinyl corner bead, vinyl casing bead and vinyl control joints. Will these products be acceptable in lieu of galvanized metal beads/control joint?
 - d) Wall types S10B and S10C call for a waterproofing membrane between the 16mm Waterproof Cement Board and steel studs. The only waterproofing membrane I can find is noted in section 09 30 00 (Tiling), item 2.4.3 which would suggest to me that the waterproofing membrane should be applied on top of the 16mm Waterproof Cement Board, not behind it. Please confirm.

- A22:
- a) Reference Addendum 14, Section 09 21 00 Gypsum and Cement Board Assemblies for updated clause(s).
 - b) This is a generic description of studs that can have dimpled or notched flanges that trap batt edges, or slotted webs that allow insulation to be clipped or tied.
 - c) Yes, these products are acceptable.
 - d) Confirmed, the waterproofing membrane must be applied on top of the Waterproof Cement Board facing the shower.

Q23: We would like clarification on the following. I am attaching an example page from the door hardware specification showing the 20-030 core specified.

Also attached is the Schlage literature showing this as a mailbox cylinder.

A23: "20-030-ICX" shall read "23-030-ICX" as referenced in Addendum 12, Door Hardware Schedule.

Q24: Addendum 7-NMS 25 00 00- Building Automation System 25 50 00 1.2.2.12

Please clarify item.12; If Other vendor (non-JCI) controls are to be used, then a seamless integration must be proven before approval will be given. Submit written declaration of acceptance and compliance for City review. Refer to notes #a to e.

If this item is related to HVAC equipment factory controls please revise item .12 to;

If HVAC equipment factory packaged controls are to be integrated, then a seamless integration must be proven before approval will be given. Submit written declaration of acceptance and compliance for City review. Refer to notes #a to e.

A24: As per City requirements which are depicted in the Section 25 00 00 – Building Automation System, clause 1.2.2.12 and the notes clause 1.2.2.13, ALL other Building Automation System (BAS) vendors (except Johnson Controls) are to demonstrate, submit and obtain City written approval, prior to bidding or assume its own risk of being rejected.

The BAS system, inclusive of BAS component to be installed in HVAC factory equipment, as Section 25 00 00 – Building Automation System clauses 1.2.1.7 through to 1.2.1.10 intents, are governed by the same contractual requirements. As such, no modifications to the specifications are required.

Q25: Storage Rack - There are 2 cantilevered racks (3 tiers) as shown on Drawing 30-A-401, please advise specs for the loading capacity required for each arm/ bracket.

A25: The 1.5 m (60 inch) long cantilevered rack arms are required to have a minimum capacity of 750kg (1650 lbs) per arm. Drawing is revised according to Addendum 14 Architectural Sketch Q17.

Q26: Section 10 56 13 Metal Storage Shelving

For the drawer unit cabinet at Mezzanine level Drawing 30-A-403, please clarify the quantity required. The plan noted as x10 however, there are 11 as shown.

Please confirm if there are compartment/ dividers required for each drawers.

Please provide elevation drawings for the shelving/storage/rack if available for more clarity

A26: Reference Addendum 12, Architectural Sketch Q174 as the multiple Tiered Shelving System was deleted and replaced a single Parts Storage Tower Carousel (VLM) System.

Q27: Building Column Protector

Reference to Drawing 20-A-402 noted on the drawings about the Building Column Protector " BCP" detail 5/20-A-501 - please confirm the specs requirement.

A27: Reference Addendum 14, Section 05 50 00 - Metal Fabrications

Q28: Spec Section 05 50 00 Metal Fabrications - 3.3.5.2 Finish

Confirm locations of Bollard Sleeves, currently the architectural and structural drawings state that all bollards are to be painted yellow. Are any bollard sleeves required on the project?

A28: All bollards are to be painted yellow. Reference Section 05 50 00 Metal Fabrications in Addendum 14.

Q29: For SWBD-61 as it was requested to have 85kA i.c. @ 347/600V we had to go with air circuit breakers. Air circuit breakers need rear access for the cable terminations. Should the interrupting capacity be lowered and we can provide moulded case circuit breakers we can accommodate front only access. The customer/consultant dwg do not show a good plan view. Can you please confirm that it is the outdoor switchgear that they want has front access or is it the LV switchgear SWBD-61? If it's the outdoor switchgear can the customer please send us a plan view and details on the accessing info, [Why front access is required] then we will review and see what we can do to revise the quote.

A29: Front access is required for LV switchboard SWBD-61 in accordance with Section 26 23 00 - Low Voltage Switchboards clause 2.1.8.1 as referenced in Addendum 9. Air circuit breakers or insulated case circuit breakers may be used in accordance with clause 2.1.13.1 and 2.1.13.2.

Q30: Is there any more info on the parts storage shelving (besides the info in the multi-level attachment)?

A30: Reference Addendum 12 as the main floor Tiered Shelving System as been replaced with a Multi-level Metal Tiered Storage Shelving (VLM). Also, reference Addendum 14, Section 10 56 16 Parts Storage Shelving and Towers for more information.

Q31: From my understanding, the 1 and 2 level of the Mezz is the same. Please see attachments «Current layout» and «Floor layout» and confirm.

A31: Mezzanine deck was deleted. Reference Addendum 12.

Q32: The following units are needed, please confirm:

- o (10) Closed shelving 48"W x 24"D x 96"H w/ 1 Bot. + 3 Adj. shelf
- o (13) Closed shelving 48"W x 24"D x 96"H w/ 1 Bot. + 2 Adj. shelf + Drawers (4x6" + 1x10" + 1x14")
- o (23) Closed shelving 48"W x 24"D x 79"H w/ 1 Bot. + 3 Adj. + 1 Top shelf

A32: Provide this containment capacity in the VLM system. Reference Addendum 12.

Q33: Is the Stairway required for this item or will there be a stairway there?

A33: Stairway is deleted to the mezzanine. Reference Addendum 12.

Q34: I cannot locate the following doors in the door hardware schedule:

- o 10-102
- o 10-110A
- o 20-106Q
- o 20-106R
- o 20-106S
- o 20-201A
- o 20-209A
- o 30-136

A34: 10-102: Room and door 10-102 were deleted in the IFC drawings (Addendum 7).

10-110A: There is a typo in the doors schedule where in the page 21 the first door in the list should read 10-110A, instead of 10-110. See updated Addendum 14 Door Hardware Schedule.

20-106Q, 20-106R, 20-106RS: There is a typo in the doors schedule where in the page 36 the doors in the list should read 20-106, instead of 10-106. See updated Addendum 14 Door Hardware Schedule.

20-201A: The Cleaning Agent Closet 01 20-201A and respective door was deleted in the IFC Drawings as referenced in Addendum 7.

20-209A: The Cleaning Agent Closet 01 20-209A and respective door was deleted in the IFC Drawings as referenced in Addendum 7.

30-136: This door was inadvertently omitted in the Door Hardware Schedule. See updated Addendum 14 Door Hardware Schedule for the data.

Q35: Section 01 91 00 General Commissioning Requirements - who pays for the cost of the Commissioning Authority?

A35: Reference clause E32 in Addendum 9.

Q36: I was just going through the Addendum 3 Form B Prices and I noticed some U of Ms missing for items:

- D.9 i)
- D.18 i)

A36: See updated Form B in Addendum 13.

Q37: I also noticed some other issues:

- Unable to enter a unit price in D.45
- E.5, E.6, and E29 - Several items aren't calculating the total amount

A37: See updated Form B in Addendum 13.

Q38: Form A: Bid / Proposal – 11. Time reads, "bid acceptance, binding and irrevocable period is 90 calendar days from submission deadline".

Due to economic volatility and the potential impact of Tariffs we request that the validity period be reduced to the industry standard of 30 days from the submission deadline.

We do not want to have to include contingency money to cover price changes for an extra 2 months which will add costs to the project.

A38: Form A: Bid/Proposal remains unchanged.

Q39: Section 01 50 00 -2.1.1.22 Wi-Fi and high speed mobile internet

Speeds requested (5 Gbps Download / 1 Gbps Upload) are most likely unachievable in this location, as those would only be achievable speeds with the fastest possible fiber line ISP connection, which neither Bell or Rogers are likely capable of delivering to this non-residential location. We will be looking at a wireless solution, that will likely have a maximum download speed of 250 Mbps, and upload of 100 Mbps.

A39: Reference Addendum 14, Section 01 50 00 Temporary Facilities and Controls.

Q40: Hardware Schedule – Spec Section 08 71 00 - Please provide door hardware schedule/group required for all doors including aluminum doors to confirm the specs requirement.

A40: Reference Addendum 7 for the Door Hardware schedule Section 08 71 00 and Addendum 12, and 14 for Door Hardware schedule Section 08 71 00 modifications.

Q41: Please confirm that PVC water stop (Dtl. 9/00-S-001) is required at all construction joints in slab.

A41: Reference Addendum 12 Questions and Answers, A53.

Q42: I am enquiring about the signage package for this project. The bid form includes an allowance for site signage. I've also noted that Forge Media is the signage consultant – so the assumption is a formal signage package will be available at some point to price. Do you know when the signage program will be made available for pricing?

A42: Reference Addendum 7, Section 10 14 00 – Signage and Architectural Drawings 00-A-801 through 00-A-805.

Q43: The Cold Water Booster Pumps that were selected in the schedule calls for a triplex system, but the drawings you have for this depict a quad booster package, please confirm if this is triplex or quad.

The Hydro Multi-E 3 CRIE 10-3 system that has been specified in the schedule does not come in 575V like requested so we would have to go with the MPC system, also no 575V systems come with integral VFD's we would have to size a control panel for this.

The specified Viton elastomers would no work for this as NSF61 is required and Viton does not meet this standard, we would have to take an exception for EPDM to meet NSF61 standards.

A43: The domestic water booster pump shall be a triplex set, 575v/60/3, model Bell & Gossett 33SV21GJ4E604, Triplex pump, VFD driven, or equivalent, NSF61/NSF372, EPDM, Canadian standards certified equipment. This is a complete package (inclusive of control panel) in accordance with Section 22

11 23 – Domestic Water Pumps clause 2.2. Addendum 14, Mechanical Drawing has been updated to reflect these changes. Adjust power supply by Division 26 accordingly.

Q44: Being that the exterior walls are relatively high and only 6" deep, our engineer has recommended a very heavy gauge, large-flanged steel stud to meet the height and loading requirements. In order to provide a more cost-efficient solution, it was suggested that perhaps the exterior walls could be revised to 8" deep studs. This would allow us to provide a more economical framing system while still providing the design as intended. Please advise if there's a possibility of revising the stud depth from 6" to 8".

A44: The exterior walls shall remain in accordance with the 593-2024B tender documents.

Q45: Specification section 05 40 00 Cold Formed Metal Framing and Section 05 41 00 Structural Metal Stud Framing both cover the exterior wind load bearing steel stud framing. Can these sections not be combined into one? 2 separate sections covering the same item can be confusing.

A45: As per Addendum 14 Section 05 40 00 is deleted. Refer to the parameters stated in the Specification Section 05 41 00 Structural Metal Stud Framing.

Q46: Drawing E-8006-Panel Schedule DP-MG-03 shows 2x 50A Receptacles. CCTs 1,2,3 And 2,4,6. Cannot locate field locations on the drawings.

A46: Drawing E-8006, E-2301 and E-2302 have been revised to include locations of 50A receptacles as referenced in Addendum 7.

Q47: Re: Appendix B – Geotechnical Report – Dewatering of the perched contaminated water table and rainwater and Addendum 9-Q&A number 2: We have re-visited the NMS Specification Section 02 61 00 Soil Remediation, 3.1.2 Water Management. Information in this section and in the Geotechnical report is inadequate to quantify the volume of contaminated water to be removed from site. Asking proponents to take the risk on this scope as lump sum, incidental work is unreasonable. Our trades have informed us that they are not willing to bid for something that they cannot quantify meaning we cannot compile a complete bid as a GC. We kindly ask that you to either reconsider introducing a cash allowance to cover the dewatering for the contaminated water management cost or introduce a unit price item with an estimated quantity in the bid form.

A47: Reference Section 01 21 00 – Allowances in Addendum 12.

Q48: Under-Counter Steel Supports per Section 05 50 00 clause 3.3.12 - Do the drawings call up these countertop supports anywhere? Is this spec referring to detail 10/00-A-540?

A48: Refer to notes stating "COUNTERTOP BRACKETS SECURED TO STUD WALL" in the drawing 00-A-541.

Q49: Form B Prices G.5 - Division 05 Metals - Sections 05 40 00 Cold Formed Metal Framing and Section 05 41 00 Structural Metal Stud Framing should be relocated to G.10 - Finishes as the Drywall trade includes those sections in their pricing.

A49: Reference Addendum 13.

Q50: Form B Prices G.5 - Division 05 Metals - Refer to Section 05 51 00 Steel Stairs and Railings 1.2 Summary item 1.2.1, it reads as follows:

- .1 Structural Steel Stairs: Steel stair stringers will be considered as structural steel components, and shall be coordinated with Section 05 12 23 – Structural Steel for Buildings; requirements for certification and record keeping for steel stairs shall be the same as for structural steel framing, and as follows:
- .2 Stairs with concrete filled treads.
- .3 Industrial stairs with galvanized steel grating treads.

Please revise note in specifications that all steel components for the steel stairs should be part of G.5 as the Miscellaneous Metals will be including the costs

A50: The Contract Administration will not define subcontractor trade definitions. Section 05 51 00, 1.2 Summary remains unchanged.

Q51: Will the BIM Model be shared with the Contractor and Sub-Trades for their use after award.

A51: No. Reference D10.1.

Q52: Can Sand be used for the Backfill for the Sub Soil Drainage piping if this work is performed in the winter months? If so please provide a spec.

A52: Reference Section 22 13 16 Drainage, Waste and Vent Piping bedding material as referenced in Addendum 12.

Q53: We were just looking thru the specs for the V-loops and under point 2.13.5 it looks like we need an engineered stamp of approval for our drawings. We cannot provide this with our quote as we will have to send them out to a third-party engineer to review for us. We can include this cost in our quote and if we are successful, then we can go thru the process to have everything reviewed and stamped.

If you can please let me know as soon as possible if this is acceptable, we can get our quoting started.

A53: Section 23 21 16 Hydronic Piping Specialties clause 2.13 denotes the requirements for the "V" loop expansion joints and associated guiding and anchoring (including seismic motion). Acceptable products are listed in Specification Section 23 21 16 Hydronic Piping Specialties clause 2.13.6. Reference Section 23 21 16 Hydronic Piping Specialties for Professional Engineering (Contractor's Engineer) requirements.

Q54: Addendum 9 Form B Prices - E13

E13 should be deleted from the Form B Prices Bid Form as Spec section 10 14 53 Traffic Signage was deleted in in Addendum 7 and replaced with Spec Section 10 14 00 Signage of which is to be included in G.11 Division 10 - Specialties.

A54: Refer to updated Form B in Addendum 14.

Q55: In tender 1045-2024 the distributors notified that lead times would meet project schedule if awarded April 30th. With this tender closing on May 14th and award date of July 25th. The proposed Substantial Performance dates of Oct 1st 2027 and November 30th 2027 do not reflect the information that was provided from tender submission 1045-2024. We request that the substantial/ total performance be extended to reflect the lead times of the major equipment that was added in addendum 9.

A55: Reference Addendum 9 for the updated Substantial Performance and Total Performance dates. No further updates will be made.

Q56: Roof Crickets

- a) Detail 3/ 30-A-352 calls for a tapered roof insulation cricket at 1%, however the roof tapered is equal to or more than this. Therefore, the cricket will not perform and standing water will be present. Please advise.
- b) Detail 1 & 4/ 10-A-352 & 4/ 10-A-351 calls for a tapered roof insulation cricket at 1%, however the roof tapered is equal to or more than this. Therefore, the cricket will not perform and standing water will be present. Please advise.

A56: a) Follow the Architectural Roof Drawings for installation of roof crickets, minimum 1% slope, away from the parapets/walls.

- b) Follow the Architectural Roof Drawings for installation of roof crickets, minimum 1% slope, away from the parapets/walls.

Q57: Given the complexity of responding to a Unit Price tender submission when acting as a General Contractor we are formally requesting a revision to the submission process to a two-stage format as follows:

1. Complete MERX submission on May 29th (revised date) including the following:

- a. Typed Bid Submission value on the appropriate MERX submission page
- b. Form 'A' Bid Proposal
- c. Bid Bond

2. Secondary MERX submission on June 2, 2025

- a. Form 'B' Prices.

With this two-stage submission the release of unevaluated Total Bid Prices as identified in B15.2 would need to be delayed until following the second part submission on June 2/25 to retain the competitive nature of the process. The rationale behind the two-stage submission is to allow appropriate time to review all the various unit pricing that is received from the trade community and then compile it within the required submission sheet. These types of submission are extremely challenging when comparing scope and pricing of various trades and the additional time is required to mitigate risk and ensure overall submission completeness. Each subtrade will have different pricing, inclusions, exclusions and qualifications and it takes considerably longer to analyze each pricing to ensure completeness.

We trust that you will find this acceptable. If required, we would be happy to discuss in more detail.

A57: Declined.

Q58: Reference to Drawing 00-A-801 regarding signages, on the comment section there is a note that says "see Winnipeg North Replacement - Wayfinding & Signage program document", please provide this document.

A58: This document will be provided once the contract is awarded. The Wayfinding & Signage program document will demonstrate fonts and graphics for the general contractor's use in developing their shop drawings.

Q59: RFI 33 71 16 Remove red cedar from spec as red cedar is unavailable.

A59: Reference Section 33 71 16 – Electrical Pole Lines and Hardware as referenced in Addendum 12.

Q60: Please confirm who is responsible for supplying starters, mechanical or electrical?

A60: Starters (and VFDs) for Mechanical are provided by Division 25, as per specification Section 25 00 00 – 1.2-1-11; 25 00 00 – 2.31; 25 00 00 – 2.33.

Q61: Addendum 9 - Room Finish Schedule vs. Plans Provided

There seems to be some conflicting and/or missing information from the contract documents that is making it difficult to determine the finishes required for our steel decking. We have twice received addendums that have included structural floor/roof plans with BLUE hatching to indicate the areas requiring hot dip galvanized structural steel and steel decking. Unfortunately, the room finish schedules provided do not align with the floor plans provided, which is the basis of the remaining confusion.

For example, the roof plan from Addendum 9, drawing 00-S-255, outlines only Repair Bay 06 (30-121) to be hot dip galvanized and they have clearly hatched it in BLUE.

All other steel on this plan is left unmarked, which would indicate they DO NOT require galvanized steel.

The newly provided room finish schedule however, has noted all repair bays (30-121 thru 30-126) as well as interior circulation (30-120) and common work area (30-118) are to be hot dip galvanized.

All of these areas exist on plan 00-S-255 from Addendum 9, but only repair bay 6 (30-121) is hatched in BLUE, indicating galvanized steel to be required.

A61: Follow the notes in the "Comments" column in the Architectural Room Finishes Schedule for the Maintenance Garage area, on Drawing 30-A-601, listing and describing the areas of the roof deck and structures that shall be hot dip galvanized finished. This steel roof deck area includes Bay 6, which is a steam bay, and the adjacent areas. The Structural drawing 00-S-155 is missing the information that is revised as per Addendum 14 Sketch Q61-R0.

Q62: Room Finish Schedule - Missing Ceiling Finishes

We have several rooms on the room finish schedule with ceiling materials marked "exposed" and the finishes labelled as "n/a". Are we able to get some clarity on the finish required for the following room ceilings? They are:

Drawing 20-A-601:

20-101, 20-102, 20-103, 20-104, 20-105, 20-106, 20-201, 20-202, 20-203, 20-204

Drawing 10-A-601:

10-101, 10-103, 10-104, 10-105, 10-107, 10-108, 10-109, 10-121, 10-122, 10-123, 10-124

A62: All the rooms listed in this question are to be only primed and painted, except for the room Protected Corridor 20-102, which has floor deck above, and must be prepared to receive fire-proofing treatment as referenced in Addendum 14 Architectural Sketch Q72-R0.

Q63: Deck Coating @ Finished Interior Ceilings

Are we able to assume that any area with a GB, AT, or LC ceiling finish will be ok to receive ZF75 Galvanneal steel decking?

A63: Yes, confirmed.

Q64: Working on the multi-level parts storage (10-56-16) and I have a few questions:

- The shelf capacity spec'd is 900 kg. (2,000 lbs.) / shelf.

Is this an oversight? (I checked the mfg. listed in the spec, (SSI Schaefer) doesn't have a steel shelf with 2,000 lbs. capacity). The typical capacity per 48" W X 24" D shelf for a Parts Dept. is 400 lbs. – 600 lbs. per shelf, for all parts.

Please advise if a 400 – 600 lb. shelf is acceptable. (Rousseau Metals Spider Shelving System)

A64: The capacity is revised in Addendum 14, Section 10 56 16 Parts Storage Shelving and Towers.

Q65: Do the shelving units with drawers require compartments in the drawers??

A65: Yes. Provide for all drawers.

Q66: Reference to Spec Section 12 59 01 R1 (Addendum 7) - there is a R-1 Area Rug indicated as Rectangular Rug (12' x 18'), please confirm if this is included in contract and provide specs and quantity as it is not showing on the plan.

A66: This is not required in 593-2024B Contract. Reference Addendum 14, Section 12 59 01 Work Station System and Furniture Schedule for deletion of R-1 Area Rug.

Q67: Section 01 40 00 Quality Requirements - 1.3.7

Testing Agency Qualifications: An independent agency with the experience and capability to conduct testing and inspecting indicated, and with additional qualifications specified in individual Sections; and where required by authorities having jurisdiction, that is acceptable to authorities.

Who pays for the independent testing agency for testing and inspections?

A67: Reference Addendum 9, E32 and other addenda for specification section specific third-party testing requirements.

Q68: Overhead Doors

- a) For the Door 30-112BC, the glass mentioned over there is FRG (Fire rated Glass); I just wanted to clarify here that for Overhead sectional Doors, no manufacturer provides Fire Rated Glass; please clarify.
- b) For the Door 10-125A and 10-125B, in the comment section, its mentioned PROVIDE SPLASH REDUCTION CURTAINS (SEE PROCESS DRAWINGS); for the Spec'd product by Rytec, they don't provide anything like Splash Reduction curtains; please clarify what exactly are these.

- A68: a) The designation in the Door Schedule is updated in Addendum 14, Architectural Sketch Q78.
- b) The Architectural Door Schedule and the Industrial Drawings have deleted the reference to splash reduction curtains as in accordance with Addendum 14, Architectural Sketch Q78.

Q69: Electrical vehicle / bus charging system - The specified manufacturer ABB has instructed all electrical distributors that they will not be providing this package to contractors as it is to be direct to owner. However Addendum 11 stipulates that this system is to be provided by the electrical contractor.

Please provide contact information for manufacturer and clarify how electrical contractors are to provide this equipment if manufacturer is saying otherwise.

A69: Contact information for ABB manufacturer:
Rachit Kanna (Manager Sales, Fleet & Transit, ABB E-mobility Inc)
E-mail: rachit.khanna@ca.abb.com, Mobile: +1 289 527-0265
Address: 3450 Harvester Rd,
Burlington, Ontario L7N 3W5 Canada

The Contract Administrator has confirmed with Manufacturer ABB that quote for this package can be provided to electrical subcontractors.

Q70: Heat Trace for Roof Drains - E-1014 -Detail 12 shows tracing for roof drains. However, no tracing is shown on mechanical or electrical drawings. Please confirm if roof drains are to have heat tracing.

A70: Provide heat tracing cable for 3 meters of all storm drain piping connecting to each roof drain and scupper drain in accordance with the Mechanical Drawings. Provide junction box for heat tracing as required by heat tracing manufacturer. Electrical Drawings have been revised in Addendum 12 to include heat tracing for roof drains. Also reference Addendum 14 Question 2 and Response 2.

Q71: Voice Data

- 1) Fiber to substation: TY 406 shows 4-strand. TY 2008 shows 8-strand. Please advise what is required.
- 2) There are no Cat5e 25-pair on the plans or riser diagrams however the specs lay it out. Please confirm it is not required.

- A71: 1) Each substation pole requires a 4-strand fibre cable resulting in 2 4-strand fibre cables.
- 2) Correct, at this time there is no need to actually install/provide a 25-pair cable. It was been included in the specifications for reference only should it be required at any point during the duration of the Project.

Q72: 2 hour rated cable. Please confirm if the following require 2hr fire rated connection.

- 1) Network connection from FACP to Annunciator panel
- 2) Power connections for fire shutters

- A72: 1) Network connection from FACP to annunciator panel to be 2hr fire rated connection in accordance with Section 26 05 19 Low Voltage Conductors clause 2.3.2.
- 2) 2-hour fire rated cable not required for power connections for fire shutters.

Q73: Addendum 12 - As previously requested please revise the description to Alternate price 6 in Addendum 9. Addendum 1 states that the following, "...adjusted by deducting item(s) 1 to 6, progressively in the order

listed...". On the bid form Alternate 5 states, "reduce Bus Storage Compartment 03 by one half" and Alternate 6 states reduce the remaining half of Bus Storage Compartment 03. Alternate 5 is from grids 4-23 and T-U.1 and Alternate 6 should be from grids 4-23 and R-T and not from R-U.1 as you cannot double deduct from T-U.1 if you have already deducted the costs in Alternate 5. Please revise asap.

A73: When completing the alternatives for the bid form as it relates to the removal of either (approximately) half or the remainder of the full bay, please complete the pricing on how to deduct from your final bid the related costs to remove the section as identified in Alternate 5 and the removal of the remaining bay for Alternative 6. If the City chooses to remove the entire bay, it will be additive deduction, in progression, of Alternative 5 plus Alternative 6.

Q74: Regarding Part Storage Tower Spec section 10 56 16, please confirm the quantity or update the plan to reflect these items.

A74: One Parts Storage Tower Carousel is required.

Q75: Reference to Drawing 30-A-401 Secure Storage room 30-104, there are 12 shelving as shown, please provide the correct size and specs for these items.

A75: See Section 10 56 13 Metal Storage Shelving revisions in this Addendum 14.

Q76: Per 23 30 00 3.2.4, we're to provide aluminum duct for certain exhaust duct. Need to be more specific on what systems this applies to. For example, AHU-01 exhaust serves showers but also serves washrooms. Is all exhaust ductwork serving that AHU to be aluminum or just shower duct back to the AHU?

A76: The intent of the clause is suitable materials/ corrosion resistance for the application of the ENTIRE exhaust air path to outdoors, therefore ALL ductwork from the most remote location (from the exhaust grille) that is located in area and / or conveys air from the area that contains moisture laden air, such as exhaust air from lockers with shower area, shower area, washroom with shower area, or similar spaces AND ALL the WAY to exhaust to outdoors (up to the outdoors / and or up to the outdoor fan/ and up to the outdoor AHU/ and or up to the outdoor louver, as per the application) shall be aluminum as per Section 23 30 00 – HVAC Ducts and Plenums clause 3.2.4 or stainless steel as per Section 23 30 00 – HVAC Ducts and Plenums clause 3.2.5. All ductwork downstream from the most remote grill location (is not located and does not convey air from the area that contains moisture laden air) shall be galvanized. Provide dissimilar material transition connector/section.

Q77: Per 23 30 00 3.2.6, we're to provide stainless steel duct for certain exhaust duct. Need to be more specific on what systems this applies to. For example, HRU-03 exhaust serves bus wash lanes but also serves services lanes, is all exhaust ductwork serving that HRU to be stainless or just bus wash lanes exhaust back to the HRU?

A77: The intent of the clause is suitable materials/ corrosion resistance for the application of the ENTIRE Supply and Exhaust air path, therefore ALL Supply ductwork that is located in area and ALL Exhaust ductwork from the most remote location, and / or conveys air from the area that is serving and located in potential high humidity areas, water spray areas, or corrosive areas, such as bus wash areas, undercarriage bus wash area, bus wrap areas, power wash areas (multiple locations), steam bay areas AND all the way to exhaust to outdoors (up to the outdoors / and or up to the outdoor fan/ and up to the outdoor HRU, as per the application) shall be stainless steel as per Section 23 30 00 – HVAC Ducts and Plenums clause 3.2.6. All Exhaust ductwork downstream from the most remote grill location that is not located and does not convey air that is serving and located in potential high humidity areas or Supply ductwork that is not located in potential high humidity, water spray areas, or corrosive areas, such as bus wash areas, undercarriage bus wash area, bus wrap areas, power wash areas (multiple locations), steam bay areas shall be galvanized. Provide dissimilar material transition connector/section.

Q78: With regards to the "Silicone Emulsion Sealant" as specified in section 09 21 00, item 2.4.6, our suppliers cannot identify a product/manufacture for this product. Please provide a manufacturer and product name for this item.

A78: Product Manufacturers: Sika, W.R. Meadows Inc. Products: Sikasil-728 NS, Pourthane HS Joint Sealant.

Q79: Referencing "Q64" in Addendum 11, details 2 through 5 on drawing 00-A-503 refers to an "Expansion Joint Cover" (see below). Specification section 07 95 13 (Expansion Joint Assemblies) does not specify a product/manufacturer to use for this item and our suppliers tell me that it could be any number of different products. Please provide a product name and manufacturer for these expansion joints.

A79: Product manufacturer is listed under 2.1 Approved Manufacturers; Sika Emseal.

Q80: Frames for Overhead Doors per Section 05 50 00 clause 3.3.7 - Specs call for 75mm return on either side of wall face. Architectural drawings show the frames without any returns. Please clarify.

A80: Reference Addendum 14, Section 05 50 00 - Metal Fabrications for updated requirements.

Q81: Overhead Doors Track Protection Guards per Section 05 50 00 clause 3.3.8 - These guards are not shown or called up anywhere in the drawings.

A81: To be provided at all overhead doors as in accordance with Section 05 50 00 - Metal Fabrications.

Q82: Exterior Vestibule Door Guard per Section 05 50 00 clause 3.3.14 - Architectural drawings don't seem to show or call up these guards. Please clarify.

A82: To be provided at Doors 40-132 and 40-124B as per Addendum 14, Architectural Sketch Q94-R0.

Q83: Splash Plate per Section 05 50 00 clause 3.3.16 - Specs describe as 3mm polished satin plate at mop sinks. There appear to be three mop sinks in the building: Room 10-114 in Service Lanes, room 30-114 in Maintenance Garage & room 40-125 in the Office Area. Room Finish Schedules on pages 10-A-601, 30-A-601 & 40-A-601 specify Porcelain Tile at the mop sinks. Please clarify.

A83: Splash Plate is deleted from Section 05 50 00 Metal Fabrications in Addendum 14. Follow the Architectural Drawings accordingly.

Q84: Petroleum Equipment

- 1) Do you want an in-dispenser control system or a pedestal control system?
- 2) Winnipeg Fleet has opted for Atlas X Prime in dispenser control system.
- 3) What diesel flow rate are you hoping for. 24 gpm or 50 gpm?
- 4) Are you wanting tank gauging to monitor inventory? (Petrovend) Can we quote an equivalent?
- 5) Do you require Automated Temperature Control (ATC)?
- 6) We will be bidding Gasboy equipment. To confirm, we consider this as equivalent and making sure you agree.

A84: 1) A single pedestal control system for the three outside dispensers (DEF, diesel, gasoline) with full selection capability, is acceptable. A shared pedestal at each of the 4 internal (DEF and Diesel) dispensing units, full selection capability, is acceptable. All are to be suitable for the environment installed.

2) No comment.

3) Refer to drawing 50-D-610 - Schedule – Industrial Fueling and DEF Systems. The 2 diesel pumps operate in lead/lag. Each will be expected to deliver its stated flow rate, whether working alone, or when both pumps are working.

4) Please refer to specification Section 23 10 05 and the various schematic drawings where tank level monitoring is indicated. Proposed equivalent products will be reviewed provided full technical details, and any differences with specified product are detailed.

5) ATC is not required.

6) Approved equivalents will be determined through the specification process.

Q85: In Alternate price 6 for Mechanical Deletion and Relocation. Although HRU-01-C and MUA-01-C will be deleted, will the take offs for them remain for future construction?

A85: The response to this question refers to Separate Price Item No. 6, which would include Separate Price Item No. 5 (half compartment) to complete Deletion of the Bus Storage Garage Compartment 03.

Although HRU-01-C, MUA-01-C and EF-29 will be deleted; all associated ductwork and air distribution system, the hydronic, natural gas pipework and other equipment and systems are to remain or be relocated, as per mechanical scope description.

See Section 01 23 00.01 R2 – Alternatives for full details and Addendum 14 Section 01 23 00.01 clause modifications.

Q86: Regarding the Test Pit Program response identified in Addendum 12, Q51:

- a) Can you please clarify if this work will be completed concurrently with the main construction work or will it be completed prior to mobilization of the General Contractor.
- b) If this work is being completed concurrently, please identify anticipated location of test pits. It is our assumption that all locations will be determined in conjunction with the General Contractor to ensure compliance with overall scheduling and sequencing.
- c) Please confirm that all backfill material will be compacted to appropriate City specifications and requires no further work by the General Contractor.

A86: a) It is the Contract Administrator's intent to undertake the test pit program prior to mobilization of the 593-2024B Contractor.

b) If the field work is not complete prior to mobilization of the 593-2024B Contractor, precise locations will be reviewed with 593-2024B Contractor to attempt to avoid conflicts. Investigation locations will be spaced fairly evenly across the site in areas not yet investigated.

c) Most investigation locations are in areas of planned excavation and will likely be carried out by a drill rig. Investigation locations drilled via drill rig will be backfilled soil cuttings topped with bentonite chips, with hand tamp compaction. If an excavator is used and excavations for the test investigations extend below planned excavation depths, the test pit excavations will be backfilled with suitable site material compacted as per the requirements of City of Winnipeg Construction Specification 3170-R3.

Q87: Q188 from Addendum 12: Provide Spec for Building Column Protectors (BCP).

A87: Revised response to Q188 from Addendum 12: ~~The column protectors are added to the Specification Section 05 50 00 Metal Fabrications, clause 3.3.16 and was issued in Addendum 14.~~ Reference Addendum 14, Section 05 50 00 - Metal Fabrications.

Q88: With respect to delivery impact of the long lead electrical equipment, the addendum response identified in addendum 12 clarifying schedule relief will be provided for any supply chain disruption does not sufficiently address the current delivery times of the electrical equipment. The current delivery is beyond the noted substantial completion date and as such, will result in LD costs being incurred by the General Contractor. The delivery time is not the result of a supply chain disruption but is simply the fabrication/delivery time of the equipment. As these dates are outside of our control, we feel we should not be required to include any LD costs and that the Substantial & Total Completion dates be revised as previously requested. The project schedule will not be met given the current delivery timelines.

A88: Please see revisions to D24 as referenced in Addendum 12. Substantial Performance date and Total Performance date remains in accordance with Addendum 9.

Q89: As per Addendum 12, Q183, with the timing of the tender release and subsequent award having been significantly delayed from the dates originally identified within RFQ 593-2024A, our anticipated team has

changed due to other project awards. As this delay was outside of our control, the General Contractor should not be required to include any costs for staff modifications. The inclusion of these costs inevitably will increase the project cost with no benefit to the overall project. Any staff engaged on the project will be equivalent to the team originally included within the RFQ submission. Please remove the reference clause accordingly.

A89: Declined. Request for Qualification, RFQ No. 593-2024A, B26 Substitutions remains without change.

Q90: Please confirm two-stage tender submission will be accepted as per my May 13th email.

A90: Declined. Tender submission to remain as noted.

Q91: Why is your spec requiring contractors to hire their own engineer to figure out the seismic restraints? Building to the NBC of 2020 for Manitoba is brand new for the contractors here, which I'm sure you know.

A91: Mechanical and Electrical systems differ amongst suppliers and the resulting seismic restraints for the individual components will differ as a result. In accordance with C6 Responsibilities of the Contractor, the Contractor is solely responsible for construction, means, methods, techniques, sequences and procedures and for coordinating the Work. Contractor shall engage a Professional Engineer (Contractor's Engineer) to design the necessary seismic restraints in accordance with the Contract Documents.