

**NRC ADVANCED MANUFACTURING PROGRAM (AMP)
WINNIPEG, MB****ISSUED BY**

ALL BIDDERS SHALL READ THE ENTIRE ADDENDUM AND TAKE INTO ACCOUNT AS PART OF THE TENDER DOCUMENTS.

WHERE A REVISION IS CALLED FOR IN A DRAWING OR IN A SECTION OF A SPECIFICATION, IT SHALL BE CONSIDERED REVISED FOR ALL RELATED DRAWINGS AND SECTIONS OF THE SPECIFICATION.

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Addendum No. 4 27

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1.0 ARCHITECTURAL SPECIFICATIONS

- 1.1 Refer to new Specification Section 10 11 23 Whiteboards attached in this Addendum.
- 1.2 Delete Specification Section 08 51 13 Aluminum Windows in its entirety.
- 1.3 Refer to Specification Section 01 45 00 Quality Control:
 - .1 Article 1.2 Independent Inspection Agencies; revise paragraph 1.2.1 in its entirety with the following:
 - “.1 Independent Inspection and Testing Agencies will be engaged by Departmental Representative for purpose of Commissioning portions of Work. Testing is noted to be done by Contractor as listed per specific specification section.”
- 1.4 Refer to Specification Section 01 52 00 Construction Facilities:
 - .1 Article 1.9 Security; delete in its entirety.
- 1.5 Refer to Specification Section 03 30 00 Cast-In-Place Concrete:
 - .1 Article 3.6 Field Quality Control; revise paragraph 3.6.1 with the following:
 - “.1 Site tests: conduct tests as follows and in accordance with Section 01 21 00 Allowances and submit report as described in PART 1 – ACTION AND INFORMATIONAL SUBMITTALS.”
 - .2 Article 3.6 Field Quality Control; delete paragraph 3.6.3 in its entirety.
- 1.6 Refer to Specification Section 07 42 43 Insulated Metal Panels:
 - .1 Article 2.1 Materials; revise paragraph 2.1.1.2 with the following:
 - “.2 Panel Width: 1016 mm.”
- 1.7 Refer to Specification Section 14 43 21 Overhead Cranes:
 - .1 Article 2.3 Overhead Crane; revise paragraph 2.3.1.4.1 with the following:
 - “.1 Bridge speed: 65 ft/min”
 - .2 Article 2.3 Overhead Crane; revise paragraph 2.3.2.4.1 with the following:
 - “.1 Bridge speed: 65 ft/min”

2.0 ELECTRICAL SPECIFICATIONS

- 2.1 Refer to Specification Section 26 05 00 Common Work Results – For Electrical:
 - .1 Item 2.6.4.1; Add “This applies to conduits up to 50 mm in diameter”
 - .2 New item 2.6.5.14; .14 Provide additional equipment labelling as per “NRC PM Equipment Labelling” (7 pages) attached in this Addendum.
- 2.2 Refer to Specification Section 26 24 06 Customer Metering:
 - .1 Delete this section. Digital metering to be part of the circuit breakers as per 26 28 21 item 2.6.
- 2.3 Refer to Specification Section 26 24 13 Switchboards (Above 1200A):
 - .1 Item 2.1.13; delete “NEMA 3R”.
- 2.4 Refer to Specification Section 26 32 14 Power Generation Diesel:
 - .1 Item 1.7.2.5; add “as required.”
 - .2 Item 1.8.1; add sentence “Separate tests for transfer switches acceptable.
 - .3 Item 1.10.4; revise to “MTU Onsite Energy by Wajax”.
 - .4 Item 2.1.9.6; delete.

.5 Item 2.2.14; delete.

2.5 Refer to Specification Section 27 51 16 Public Address and Mass Notification Systems:

.1 Item 1.3; new .4 TOA by Evolution AV

3.0 LANDSCAPE SPECIFICATIONS

3.1 Refer to Specification Section 10 75 00 Flagpole:

.1 Article 1.2 Design Requirements; revise paragraph .2 in its entirety with the following;

“.2 Flagpole, bases and anchorage devices to resist maximum wind velocity of

.1 302 km/h Maximum Wind Speed, flagged;

4.0 ARCHITECTURAL DRAWINGS

4.1 Refer to A301 – East and West Elevation:

.1 Refer to Detail 2 – West Elevation;

.1 Locate window tag W20 and W8 as indicated in the attached detail sheet, DA-098.

4.2 Refer to A351 – Window Type Schedule:

.1 Delete Drawing A351 – Window Type Schedule in its entirety and replace with Drawing A351 – Window Type Schedule R2 attached in this Addendum.

5.0 ELECTRICAL DRAWINGS

5.1 Refer to Drawing E124 Level 2 Plan – West – Power and Voice/Data:

.1 Elevator shaft; provide a 20A 120V separate circuit from Panel EC for the Elevator controller power. Locate as per elevator supplier requirements.

5.2 Refer to Drawing E601 Main Distribution Single Line Diagram:

.1 Note 6; delete the words “and 3”.

5.3 Refer to Drawing E602 Emergency Distribution Single Line Diagram

.1 Note 6; delete the words “and 3”.

.2 Delete Detail 2/E602.

.3 Relabel detail 3/E602 to “2/E602” and delete “Option 2” from title.

6.0 STRUCTURAL DRAWINGS

6.1 Refer to Drawing S001:

.1 Refer to Structural Steel notes on Drawing S001; add the following;
“25. Architecturally Exposed Structural Steel (AESS): Fabricate and install AESS elements in accordance with the Category Matrix for Specifying Architecturally Exposed Structural Steel published by the CISC for the categories listed below.

- AESS 2, with visual sample: exposed rod bracing and connections.
- AESS 2, without visual sample: exposed columns, girts, bracing and framing in the Lobby, Lunch Room, Public Corridors 100B and 100C.
- AESS 1: exposed columns, girts, bracing, level 2/interstitial framing, roof framing in Public Corridor 100B.”

6.2 Refer to Drawing S131, S132:

.1 All open steel grating shall have hot-dip galvanized finish.

6.3 Refer to Drawing S141:

- .1 Steel roof deck above level 2 offices (area bound by grids 1-H-5-A and 5-D-11-A) to be 38x0.76mm steel roof deck (non-acoustic).

7.0 REQUESTS FOR INFORMATION

7.1 Refer to Requests for Information logs attached in this Addendum.

8.0 REQUESTS FOR EQUALS

8.1 Refer to Requests for Equals logs attached in this Addendum.

END OF ADDENDUM

1.1 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for whiteboards and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Installation Drawings:
 - .1 Submit installation drawings.
 - .2 Indicate location, type, size, panel arrangement, backing, hardware, anchor or mounting details, frame or trim and accessories.

1.2 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials indoors and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect whiteboards from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

Part 2 Products

2.1 WHITEBOARD

- .1 Whiteboard (WB-1): Composition; Non-woven backing, pigmented vinyl capped with high gloss dry erase film, Size; As indicated, Colour; To be determined by Departmental Representative.

2.2 COMPONENTS

- .1 Extruded aluminum: aluminum Association alloy AA6063-T5. Minimum 1.5 mm wall thickness.
- .2 Extruded vinyl: rigid PVC, integral colour, 1.5 mm minimum wall thickness.
- .3 Whiteboard trim and framing: perimeter trim or frame with coloured vinyl insert, bottom rail with integral chalk trough end closures.
- .4 Anchor clips, brackets and fasteners: concealed type recommended by manufacturer for fixed.

2.3 FABRICATION

- .1 Fabricate whiteboards panels to sizes indicated.

- .2 Wrap around edges and fasten to back face.
- .3 Make finished panels flat and rigid and fit with joint reinforcement.
- .4 Install trim on panels in factory.
 - .1 Make mitres and joints to hair-line fit, free of rough edges with concealed brackets to reinforce and hold joints tight and flush.
 - .2 No exposed fasteners permitted.
- .5 Overlap trim 6 mm onto panels.
- .6 Factory fit assemblies too large for shipment to site in one piece, disassemble for delivery and site assembly.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for whiteboard installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.2 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product installation instructions, and data sheets.

3.3 INSTALLATION

- .1 Install whiteboards in accordance with manufacturer's instructions, parallel to floor plumb and level, to provide rigid, secure surface.
- .2 Make mitres and joints to hair-line fit, free of rough edges. Use concealed brackets to reinforce and hold joints tight and flush. No exposed fasteners permitted. Overlap trim 6 mm onto panels.
- .3 Mechanical attachment:
 - .1 To concrete or solid masonry use lag screw and expansion bolts or screws and fibre plugs as appropriate for stresses involved.
 - .2 To hollow masonry use toggle bolts or equivalent.
 - .3 To wood or sheet metal use screws. Secure into framing members in stud walls.
- .4 Adhesive attachment:
 - .1 Apply self-stick adhesive foam tape strips over back surface at maximum 300 mm on centre. Keep tape minimum 6 mm from edges.

- .2 Use recommended adhesive applied using spot method with daubs 40 mm diameter x 25 mm high at 200 mm on centre each way to adhere whiteboard to wall. Press firmly into adhesive to ensure adhesion.

3.4 CLEANING

- .1 Progress Cleaning: Clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: Upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: Separate waste materials for reuse, recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal

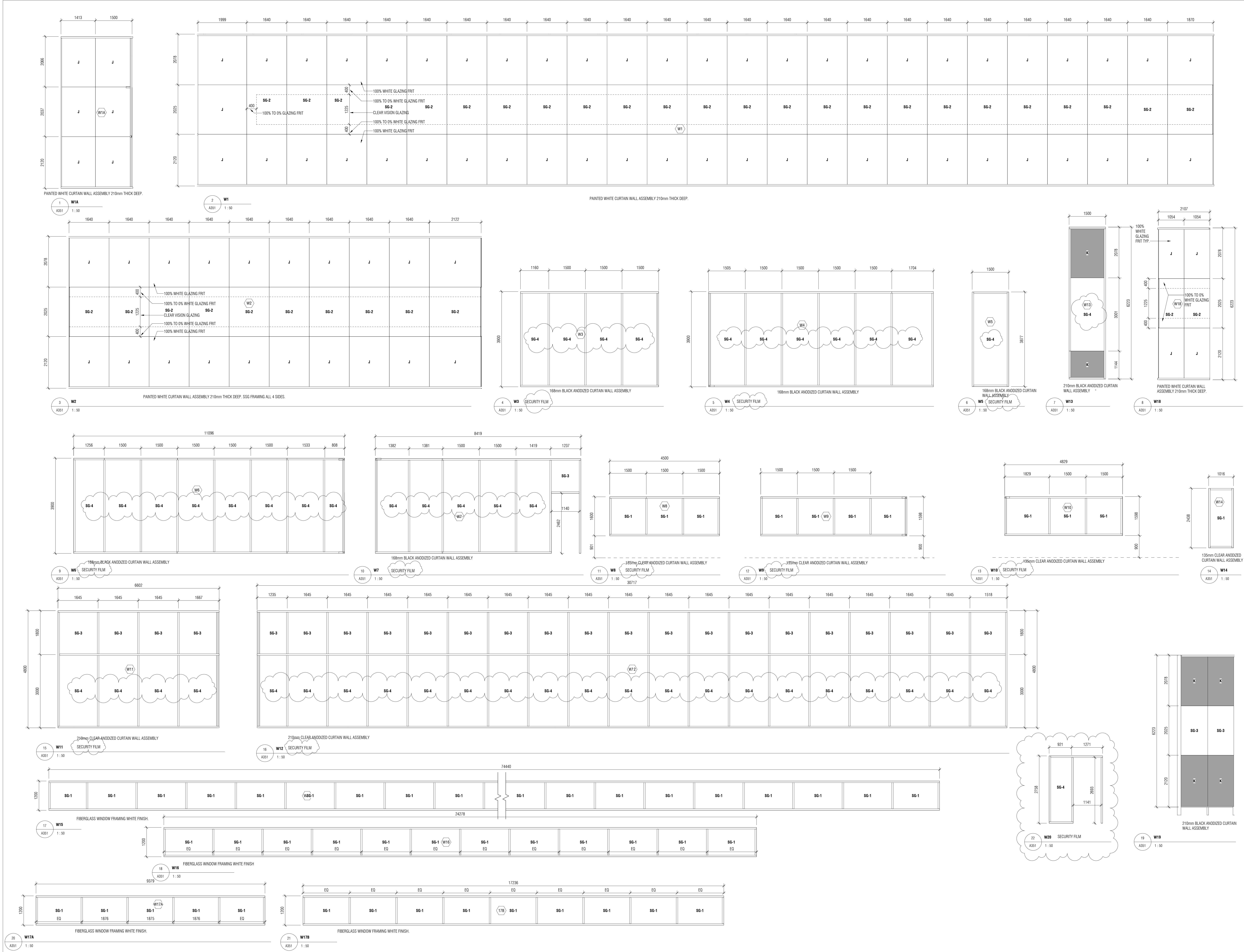
3.5 PROTECTION

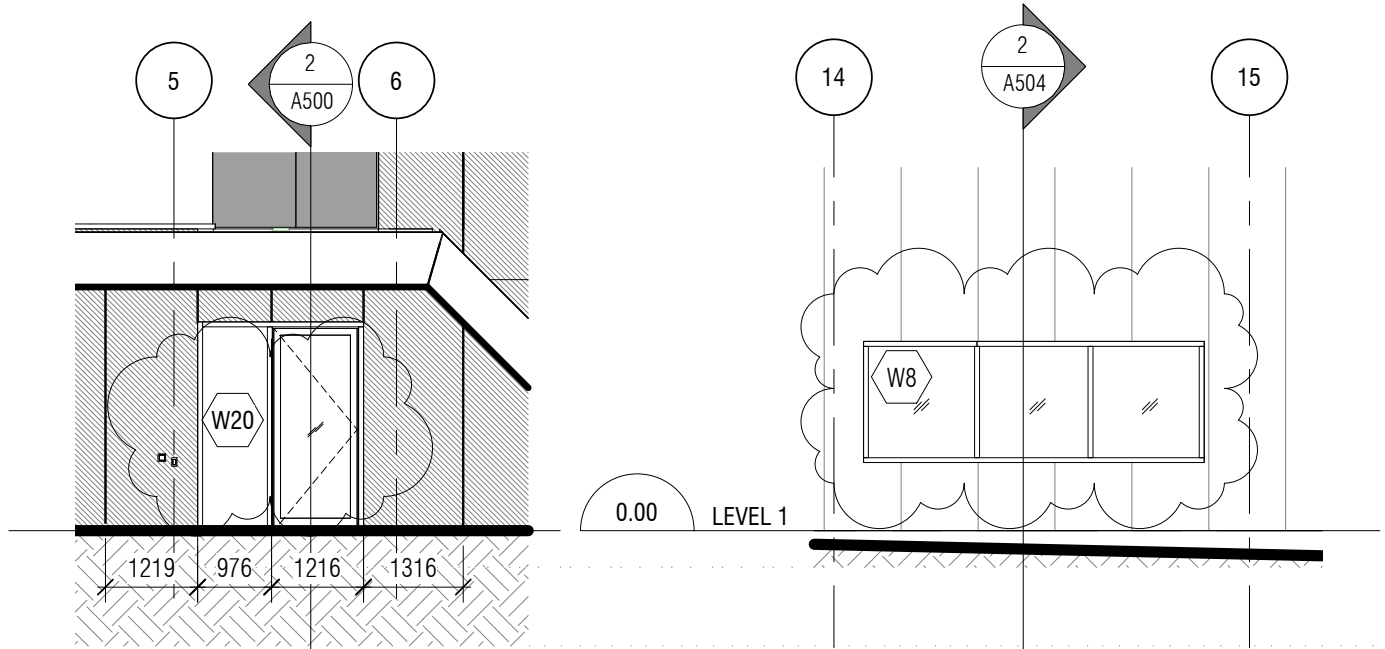
- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by whiteboard installation.

END OF SECTION

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1 WEST ELEVATION 1
DA-098 1 : 100

2 WEST ELEVATION 2
DA-098 1 : 100



<p>project</p> <p>NRC ADVANCED MANUFACTURING PROGRAM (AMP) - WINNIPEG Red Fife Road, Winnipeg, Manitoba</p>	<p>projet</p> <p>Designed By MK/CL/CL/AP Date (yyyy/mm/dd) Drawn By AP Date (yyyy/mm/dd) Reviewed By DH/JF Date (yyyy/mm/dd) Approved By DH/JF Date (yyyy/mm/dd) Tender Project Manager KEVIN GALLAYS</p>	<p>Conçu par Dessiné par Examiné par Approuvé par Soumission Administrateur de projets</p>	<div data-bbox="1088 1669 1510 1806">  <p>Public Works and Government Services Canada</p> <p>REAL PROPERTY SERVICES Western Region</p> </div> <div data-bbox="1323 1669 1510 1785"> <p>Travaux publics et services gouvernementaux Canada</p> <p>SERVICES IMMOBILIERS Région de l'Ouest</p> </div> <div data-bbox="1088 1816 1510 1965"> <p>Project no. No. du projet</p> <p>R.076948.001</p> <p>Drawing no. No. du dessin</p> <p>DA-098</p> </div>
<p>drawing</p> <p>2/A301 - EAST AND WEST ELEVATION</p>	<p>dessin</p>		

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
CSTE	Exterior	Large	WPG3CSTE01
MD-6A	Electrical Room 215A	Large	WPG3EDSMD6A
Bus Duct A	Electrical Room 215A	Large	WPG3BSDA
Panel 119	Room 119	Large	WPG3PNL119
Transformer TR-119A	Room 119	Large	WPG3TRMTR119A
Panel 119A	Room 119	Large	WPG3PNL119A
Panel 121	Room 121	Large	WPG3PNL121
Transformer TR-121A	Room 121	Large	WPG3TRMTR121A
Panel 121A	Room 121	Large	WPG3PNL121A
Panel 123	Room 123	Large	WPG3PNL123
Transformer TR-123A	Room 123	Large	WPG3TRMTR123A
Panel 123A	Room 123	Large	WPG3PNL123A
Panel 125	Room 125	Large	WPG3PNL125
Transformer TR-125A	Room 125	Large	WPG3TRMTR125A
Panel 125A	Room 125	Large	WPG3PNL125A
Panel 127	Room 127	Large	WPG3PNL127
Transformer TR-127A	Room 127	Large	WPG3TRMTR127A

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
Panel 127A	Room 127	Large	WPG3PNL127A
Panel 120	Room 120	Large	WPG3PNL120
Transformer TR-120A	Room 120	Large	WPG3TRMTR120A
Panel 120A	Room 120	Large	WPG3PNL120A
Panel 122	Room 122	Large	WPG3PNL122
Transformer TR-122A	Room 122	Large	WPG3TRMTR122A
Panel 122A	Room 122	Large	WPG3PNL122A
Panel 124	Room 124	Large	WPG3PNL124
Transformer TR-124A	Room 124	Large	WPG3TRMTR124A
Panel 124A	Room 124	Large	WPG3PNL124A
Panel 126	Room 126	Large	WPG3PNL126
Transformer TR-126A	Room 126	Large	WPG3TRMTR126A
Panel 126A	Room 126	Large	WPG3PNL126A
Panel 128	Room 128	Large	WPG3PNL128
Transformer TR-128A	Room 128	Large	WPG3TRMTR128A
Panel 128A	Room 128	Large	WPG3PNL128A
Panel PP100	Room 118	Large	WPG3PNLPP100

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
Transformer TR-PP1A	Room 118	Large	WPG3TRMTRPP1A
Panel PP1A	Room 118	Large	WPG3PNLPP1A
Panel PP200	Room 117	Large	WPG3PNLPP200
Transformer TR-PP2A	Room 117	Large	WPG3TRMTRPP2A
Panel PP2A	Room 117	Large	WPG3PNLPP2A
Transformer TR-2D	Room 100G	Large	WPG3TRMTR2D
Panel 2D	Room 100G	Large	WPG3PNL2D
Bus Duct B	Electrical Room 215A	Large	WPG3BSDB
CDP-6A	Room 129	Large	WPG3EDSCDP6A
MCC-6A	Room 129	Large	WPG3EDSMCC6A
Transformer TR-1F	Room 129	Large	WPG3TRMTR1F
Panel 1D	Room 129	Large	WPG3PNL1F
Panel L-100	Room 108	Large	WPG3PNLL100
CDP-6B	Room 205	Large	WPG3EDSCDP6B
Transformer TR-MB	Room 205	Large	WPG3TRMTRMB
Panel MB	Room 205	Large	WPG3PNLMB
Transformer TR-P	Exterior	Large	WPG3TRMTRP

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
SD-2P	Exterior	Large	WPG3EDSSD2P
Panel PA	Exterior	Large	WPG3PNLPA
Panel PB	Exterior	Large	WPG3PNLPB
Panel PC	Exterior	Large	WPG3PNLPC
Panel PD	Exterior	Large	WPG3PNLPD
Transformer TR-1C	Room 142	Large	WPG3TRMTR1C
Panel 1C	Room 142	Large	WPG3PNL1C
Transformer TR-LP	Room 108	Large	WPG3TRMTRLP
Panel LP	Room 108	Large	WPG3PNLLP
Transformer TR-LP2	Room 129	Large	WPG3TRMTRLP2
Panel LP2	Room 129	Large	WPG3PNLLP2
Transformer TR-2A	Room 108	Large	WPG3TRMTR2A
SD-2A	Room 108	Large	WPG3EDSSD2A
Panel 0A	Room 000A	Large	WPG3PNL0A
Panel 1A	Room 105D	Large	WPG3PNL1A
Panel 1B	Room 112	Large	WPG3PNL1B
Panel 2A	Room 214	Large	WPG3PNL2A

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
Panel 2B	Room 202B	Large	WPG3PNL2B
Panel 2C	Room 202G	Large	WPG3PNL2C
Panel CA	Room 108	Large	WPG3PNLCA
Transformer TR-2B	Room 110	Large	WPG3TRMTR2B
SD-2B	Room 110	Large	WPG3EDSSD2B
Panel 1D	Room 110	Large	WPG3PNL1D
Panel 1E	Room 109	Large	WPG3PNL1E
Diesel Generator	Exterior	Large	WPG3DIE01
EMD-6A	Electrical Room 215A	Large	WPG3EMPEMD6A
Transfer Switch ATS#1	Electrical Room 215A	Large	WPG3TSWATS#1
ESD-6A	Electrical Room 215A	Large	WPG3EMPESD6A
Transformer ETR-ELP	Room 108	Large	WPG3TRMETRELP
Panel ELP	Room 108	Large	WPG3PNLELP
Transformer ETR-ELP2	Room 128	Large	WPG3TRMETRELP2
Panel ELP2	Room 129	Large	WPG3PNLELP2
Transfer Switch ATS#2	Electrical Room 215A	Large	WPG3TSWATS#2
ESD-6B	Electrical Room 215A	Large	WPG3EMPESD6A

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
CDP-EM6A	Room 129	Large	WPG3EMPCDPEM6A
EMCC-6A	Room 215	Large	WPG3EMPEMCC6A
CDP-EM6B	Room 205	Large	WPG3EMPCDPEM6B
Panel E100	Room 215	Large	WPG3PNLE100
Transformer TR-EA	Room 215	Large	WPG3TRMTREA
Panel EA	Room 215	Large	WPG3PNLEA
Transformer TR-EC	Room 108	Large	WPG3TRMTREC
Panel EC	Room 108	Large	WPG3PNLEC
Transformer TR-ED	Room 129	Large	WPG3TRMTRED
Panel ED	Room 129	Large	WPG3PNLED
Elevator	Room EL-1	Large	WPG3EMPELV
Transformer TR-T1	Room 109	Large	WPG3TRMTRT1
Panel T1	Room 106	Large	WPG3PNLT1
Transformer TR-T2	Room 130	Large	WPG3TRMTRT2
Panel T2	Room 130	Large	WPG3PNLT2
Transformer TR-T3	Room 106	Large	WPG3TRMTRT3
Panel T3	Corridor 106	Large	WPG3PNLT3

NRC PM EQUIPMENT LABELLING



Construction Drawing Electrical Equipment Tag	Equipment Location/Room Number	Label Size	New NRC Equipment Label
Heat Trace	Stair E (E01) (Gridlines C.4 / 11)	Large	WPG3HET01
Heat Trace	Room 117 (Gridlines H / 1)	Large	WPG3HET02
Heat Trace	Room 142B (Gridlines P / 16)	Large	WPG3HET03
Fire Alarm Panel FACP	Room 106	Large	WPG3FAS01
Fire Alarm Annunc. (West)	Vestibule100A	Large	WPG3FAS02
Fire Alarm Annunc. (East)	Room 100L	Large	WPG3FAS03
Capacitor Bank PF-1	Room 215A	Large	WPG3PFCPF1

Notes:

- Label Maker to be as follows:

Manufacturer:	Brady
Model:	BMP71 Portable Printer
Tape:	2" White
Ribbon:	Black
- The minimum number of labels is two (2): One (1) label on the equipment and one (1) label on the electrical disconnecting device. (Switch, breaker, etc.)
- Minimum label size of label to be 4" x 2". Size to be adjusted to accommodate # of characters in designation.
- Transfer Switches to be provided with applicable labelling to indicate two (2) power sources.

NRC AMP Winnipeg Tender Period - Requests for Information/Contractor Questions

Issued for Tender Documents - April 17, 2019

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NRC AMP Winnipeg Tender Period - Requests for Information/Contractor Questions

Issued for Tender Documents - April 17, 2019

Item #	Date of Request	Question	Section/ Drawing Reference	Dicipline	Response	Issued
17	29-Apr-19	RFE 6	-	-	-	-
18	30-Apr-19	RFE 7	-	-	-	-
19	30-Apr-19	<p>Add. #1 page 14 :</p> <p>4.15.2 states to delete panel E400 and to revise breaker in MD-6A – Should this state to revise breaker in ESD-6B?</p> <p>General Specifications</p> <p>Section 26 24 13 Switchboards</p> <p>Page 3</p> <p>2.1.18 – Specification states All current carrying components such as buswork, interconnecting components, etc. shall be tin plated copper aluminum. – Please confirm if the bussing is to be Tin plated copper, Sliver plated copper or aluminum.</p> <p>2.3.1 – The bussing is listed as tin plated copperaluminum and the ground bus as copperaluminum. Can you please confirm if Tin plated copper, Sliver plated copper or aluminum is required.</p> <p>Page 5</p> <p>2.4.4.1 – Zone selective interlocking for the short time and ground fault protection. I do not see zone selective interlocking on any of the branch feeder breakers in the spec or on the one-line diagram. To have zone selective interlocking, you have a zone in which you want all the breakers in that zone to have this feature. Is this required? If so, which feeder breakers would you also like to have this feature?</p> <p>Page 7</p> <p>2.8 – PFC – I do not see on the one-line where the PFC unit is being fed from. Can you please advise?</p> <p>Section 26 24 16 CDP’s</p> <p>Page 2</p> <p>2.1.1 – States CSA-C22.2 No.31 – Would you like the CDP’s build as 90”H switchboards or Eaton’s PRL C? Eaton’s CDP’s or PRL 4 meets CSA-C22.2 No.29.</p> <p>Page 2</p> <p>2.1.9 – Specification states All current carrying components such as buswork, interconnecting components, etc. shall be tin plated copper aluminum. – Please confirm if the bussing is to be Tin plated copper, Sliver plated copper or aluminum.</p> <p>Page 3</p> <p>2.1.14 – States enclosure shall be protected from spay from sprinkler heads – This would be a sprinklerproof enclosure; however I see that the main distribution was requested as 3R. Can you please confirm if a sprinklerproof enclosure is required or if a 3R enclosure is required.</p> <p>2.2 – Provisions for future energy consumption monitoring – As the one-line has note 6; which notes the feeders in the CDP’s that require digital metering – is this spec required?</p> <p>Page 4</p> <p>2.3.5 – As I do not know where the CDP’s will be stored on site, do I include a anti-condensation heater in each CDP?</p> <p>Section 26 24 17 Panelboards</p> <p>Page 1</p> <p>2.1.1.9 – States AL bus. From what I see in the other sections, cu bus is maybe what is required. Can you please confirm.</p> <p>Page 2</p> <p>2.1.1.12 – NEMA 1 and 3R are listed. Please confirm.</p> <p>Section 26 25 00 Bus Duct</p> <p>Page 1</p> <p>1.1.1 – Sprinklerproof and weatherproof is listed. Please confirm if sprinklerproof or 3R is required.</p> <p>Section 26 28 21 Moulded case circuit breakers</p> <p>Page 2</p> <p>2.6 – Are any of these required features required? If so, which features and which breakers are these required on?</p> <p>Section 26 28 23 Disconnects</p> <p>Page 1</p> <p>2.1.4 – provision for pad-locking in on-off position. Please note that Eaton’s disconnects are lockable in the off position. Is this acceptable?</p>	26 24 13		refer to addendum #2	Addendum #2
			26 24 16		SMS: Full height CDP's are required c/w full bussing.	(item 3.1)
					refer to addendum #2	(item 3.4)
					refer to addendum #2	(item 3.1)
					refer to addendum #2	(item 3.2)
			26 24 16		SMS: Full height CDP's are required c/w full bussing.	(item 3.2)
					refer to addendum #2	(item 3.2)
					refer to addendum #2	(item 3.2)
					refer to addendum #2	(item 3.2)
			26 24 17		SMS: Yes aluminum buss.	-
					SMS: Sprinkler-proof.	(item 3.3)
			26 25 00		SMS: Please explain the difference.	-
			26 28 21		refer to addendum #2	(item 3.5)
			26 28 23		SMS: Yes.	(item 3.6)

NRC AMP Winnipeg Tender Period - Requests for Information/Contractor Questions

Issued for Tender Documents - April 17, 2019

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NRC AMP Winnipeg Tender Period - Requests for Information/Contractor Questions

Issued for Tender Documents - April 17, 2019

Item #	Date of Request	Question	Section/ Drawing Reference	Dicipline	Response	Issued
		Section 26 32 14 item 2.1.8.8 You have asked for an oil pan heater that is thermostatically control is this required when the unit wil have a block heater and the unit will be inside a heated enclosure. This is not a standard factory option. Section 26 32 14 item 2.5.2.1 Spring isolators have been spec . On this size of unit it will come with standard rubber mount isolation so spring isolator are not required.			See addendum No.2 See addendum No.2	
28	3-May-19	Clarification on transition mode; Closed transition and Open transition both mentioned in specification. Please clarify if both ATSS are to be Closed or open transition? Both Sprinkler protection and NEMA 3R Enclosures mentioned in specifications Please clarify if NEMA 1 + Sprinkler protection sufficient or NEMA 3R(Outdoor) enclosure required.	26 36 23	Electrical	See addendum No.2 See addendum No.2 See addendum No. 2 See addendum No. 2	Addendum No.2 (3.9)
29	3-May-19	10 75 00 calls for a design requirement for the flag poles of 356km/h flagged wind speeds. I am told by a trade this Is not achievable. The maximum flagged wind speed is 305km/h. please confirm this is acceptable.	10 75 00	Landscape	Revised in Addendum 4	(item 3.1)
30	3-May-19	Another question with reference to Section 055000 Item 2.4 Kinetic Wall Item 2.4.1.1 "Finish: Water based Light industrial coating Where is this coating required? The 316 stainless is material not a product that requires a coating for outdoor use. Please advise	05 50 00	Architectural (NTAG)	Refer to drawing A302 - Finish to be applied as logo on kinetic screen.	-
31	6-May-19	1. Drawing M300 between grid line’s 14 & 15 provide spec for the emergency overflow tank for flammable liquid storage if this is to be provided by mechanical. 2. Flammable liquid storage drain piping, what is the approved spec for this piping as well as the approved venting requirements? 3. Spec for TD-1 (Trench Drain) is not shown in the spec book section 22 42 01 – 2.1? Please clarify. 4. Air compressor schedule drawing M203 – 1, the pipe sizing does not match the continued piping on drawing M300. Which sizing is correct? 5. Provide spec for grit interceptor on drawing M300 gridlines N & P@6. 6. The 2 oil interceptors shown in the crawlspace of drawing M300 don’t seem to be the under counter type that the spec calls up (Section 22 42 01-2.15). Please clarify. 7. Spec for DF-1 drinking fountain. 8. Plumbing fixture tag is missing from the drinking fountain drawing M602-2 near gridline #8. 9. Provide spec for the storm outlet nozzle in drawing M303 gridlines C&11. 10. Is it acceptable to use Stainless steel piping for the domestic water piping 2-1/2” and over? 11. Please provide the Pump Schedule.		Mechanical	See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 See addendum No. 3 This is acceptable. See addendum No. 3	(item 1.6) (item 1.1) (item 1.1) (item 2.6) - (item 1.1) (item 1.2) (item 2.7) - - (item 1.3)
32	6-May-19	Addenda #1 Item 1.2.1.11 Glass type GL41 is listed as 2 layers of 5mm low Iron with translucent interlayer. This glazing goes into the new frame profile 2 which is 2 layers of single glazing however where does the interlayer go as this is not a laminated application according to the detail showing this glazing is in the new frame profile type 2 which I questioned below	Addenda #1	Architectural (DSA)		Addendum No.2
33	7-May-19	Part 1.3.2 – the crane is electric so there would not be a hydraulic platform Part 2.4.6- Is the DMR sensor referring to load sensor? Part 3.2.2.1 Manufacturer’s Field Services- we install our own cranes, is this just to ensure someone is stopping by to ensure install is correct?	14 43 21	owner / Architectural (DSA)	Refer to forthcoming Addendum #5 DMR Sensor to be removed Refer to forthcoming Addendum #5	- Addendum No. 4 (item 1.7) -
34	8-May-19	4. The spec calls for FSC Lumber in the green globes requirement as well as in 10 14 53 (Sign Posts and boards). Please confirm that any rough carpentry (including sign posts and sign boards) does not need to be FSC certified? In the past it has been extremely difficult to get pricing on FSC wood and the FSC certified chain of custody is broken when lumber yards or us (who are not FSC certified) handle it. Please confirm this is not a requirement for any rough carpentry on this project? 5. 01 52 00 calls for security personnel. Is this a requirement or can this be at the contactors option if we provide a construction fence. 6. 01 91 19 – 1.1.2 calls for all building envelope component manufacturer to provide verification that component types will meet specified requirement at the time of tender. Please confirm that this is not required at the time of bid closing? 7. Please confirm that the building envelope consultant and the commissioning consultant mentioned in 01 91 19 – 3.1 as well as the Commissioning authority/independent testing agency in 01 91 31 are hired and paid for by the owner?	10 14 53 01 52 00 01 91 19 01 91 19	Landscape Architectural (NTAG) / Owner Commissioning Commissioning	Refer to forthcoming Addendum #5 Deleted. Refer to Addendum #4 Refer to forthcoming Addendum #5 Yes, 01 45 00 refers to commissioning portion of work. (Item 1.2.1)	- Addendum No. 4 (item 1.4) - -

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		8. 03 30 00 – 3.6.3 calls for concrete tests to be paid by contractor. There is also a concrete testing cash allowance. Please confirm that concrete testing is by cash allowance?	03 30 00	Architectural (NTAG)	Deleted refer to Addendum #4	Addendum No. 4 (item 1.5)
		9. 23 90 00 – 1.1.1 calls for a separate price for the Facility Monitoring System. Is this required? There is not space provided on the Bid form for this.	23 90 00	Mechanical	Refer to forthcoming Addendum #5	-
		10. 07 21 13 – 3.2.2 calls for cement board install. This cement board is not called up anywhere else. is this a typo?	07 21 13	Architectural (NTAG)	Refer to wall sections. Refer to 2.3.3 in section 07 21 13	-
35	9-May-19	1) 2.2.1; Fluid Applied Flooring (FAF-1) - Is this an Epoxy Terrazzo System, or a Quartzite Trowel System? I've attached the corresponding product data sheets for your reference. 2) 2.2.2&3 - Fluid Applied Flooring (FAF-2&3) - Are both of these floors to be conductive systems? Although both are described as conductive, only FAF-3 lists the Static Control Properties. 3) 2.2.2&3 - Fluid Applied Flooring (FAF-2&3) - Thickness are listed at 6 mm and 3.3 mm respectively. Are these thickness required for heavy-duty performance demands in the space, or can the systems be thinner as long as they provide the conductive properties?	09 95 00	Architectural (DSA)	Refer to forthcoming Addendum #5 Revised in Addendum #2 Refer to forthcoming Addendum #5	- - -
36	9-May-19	RFE 9	-	-	-	-
37	9-May-19	RFE 10 We are assuming that the design of the foundations bt the department Representative for this building has excluded the requirement for any piling and any changes to foundation requirements due to unforeseen ground conditions will be subject to section 02 32 00 1.1.5.	02 32 00	Structural	They are correct in assuming that piling is not required for the building since the foundations are all spread/strip footings. We understand that the geotechnical report provides recommendations for other piling/foundation types, but spread/strip footings were selected as the foundation system for the building. One exception is at the luminaire/flag pole/security gate bases, where piles are used and are as detailed in 5/S002 and 24/S002 (it's noted that a precast concrete alternate was provided for this detail in Addendum #2).	- -
38	9-May-19	Power Factor Correction size not defined in specification & not shown on single line. Can you please provide the PFC unit size required?		Electrical	Clarified in Addendum #2	-
39	9-May-19	The initial tender documents and addendum 1 seem to be missing the mechanical equipment schedules and the majority of the hydronic systems piping has no sizes indicated on the plans. Can you please provide information in this regard in order to price the scope of works required by government servies		Mechanical	Refer to Addendum #3	Addendum No. 3 (item 1.3)
40	10-May-19	Page 3 – 2.1.13 – Nema 3R enclosure - The requirement for CSA 3R, plus bus duct provision, is very challenging. Reason is our CSA 3R design is with sloped roof, which does not accommodate bus duct entry. As this main board is located indoors, would it be possible to change the specification to indoor sprinklerproof CSA 2? That will facilitate bus duct using our standard construction.	26 24 13	Electrical	Refer to Addendum #4	Addendum No. 4 (item 2.3)
41	13-May-19	.2-.5 Special tools for unit servicing- Clarification Required: Please clarify what type of "Special Tools". Generally, with most current production generator sets there are no special tools required for general maintenance. .1 Factory Test- Deviation from Specified-: Standard commercial factory tests are provided at the point of manufacturer prior to shipping to WAJAX. Manufacturers' certified test reports available after shipping from the manufacturer. The generator set and ATS are tested separately at the respective manufacturer. .4 MTD by WAJAX- Correction Required- MTD by WAJAX is incorrect- for future specifications please correct to "MTU ONSITE Energy by WAJAX" .8 Lube oil pan heater: thermostatically controlled: Is this a requirement for this Project? The genset is installed in a heated insulated weather enclosure along with an engine jacket water heater. .4 Battery Charger- Deviation- Charger will be factory mounted on the generator set; factory AC & DC wired. .6 Battery Heater: Thermostatically Controlled- Clarification Required: Is this a requirement for this Project? Batteries are maintained on a 10A automatic battery charger. Batteries are installed within the heated enclosure. Deviation: Available engine monitoring is accessed thru the generator set's digital MGC controller scrollable LCD screen. Separate panel is not provided. .3 Lube Oil Level- Clarification Required: Is a running oil level gauge required for this project? Lube oil level status can be made available with the addition of a running oil level gauge (E.G. Murphy Instruments L-129) that can be wired to the MGC panel to provide an alarm. .8- Manual Remote Emergency Stop- Clarification Required- Is a separate remote mount E-stop a requirement for this project? There is an E-stop mounted on the genset mounted controller. .2 Rating- Deviation: 130°C Rise to be provided.		Electrical	Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4 Refer to Addendum #4	Addendum No. 4 (item 2.4) (item 2.4) - - - - - - -

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		<p>.11 Thermistors or Platinum resistance temperature transducers- Clarification Required: Are RTD’s required for this Project? The generator set’s application for this Project is Standby. Generally required for Prime & Continuous applications.</p> <p>Alternator Heater: thermostatically Controlled- Clarification Required: Is an alternator strip heater a requirement for this project? The genset is installed in a heated weather enclosure. A strip heater can be provided from MTU OE however thermostatically controlled types are not available.</p> <p>.2-.1 Spring Type Isolators- Clarification Required: Are spring isolators required for this project? The MTU Onsite generator set engine and alternator are rubber isolated from the frame. The generator set is mounted on a sub-base fuel tank. Rubber pad type isolators are provided for installation under the tank frame rails.</p> <p>.1 Weather Enclosure- Clarification required for the following:</p> <p>i. Generator Set LCB Arrangement- The breaker and controller arrangement as specified not available from MTU OE. Standard arrangement from MTU OE is (as viewed from the alternator end) breakers on the right, controller on the left. Optional is breakers on the left; controller moves to the right side. Please advise which MTU OE arrangement is suitable to this project.</p> <p>ii. Distribution Panel- All generator set and enclosure AC accessories supplied by MTU OE are either 120V or 208V single phase. Factory supplied panel is rated 125A 120-240V 1Ph. Please see cut sheet for detail. Is the MTU OE panel acceptable for this Project?</p> <p>LED Lighting- Please see cut sheet for enclosure lighting to be supplied.</p> <p>iv. Dampers- MTU OE provides motorized intake and gravity type air discharge dampers. Air discharges into a vertical discharge scoop. Engine exhaust silencer is mounted in the scoop. Are gravity type air discharge dampers permissible for this Project?</p> <p>v. Enclosure Interior Heater the MTU OE generator set enclosure is designed to meet CSA 282 10°C with a 1500W heater. Please see cut sheet for detail. Is the MTU OE 1500W heater acceptable for this Project?</p>			<p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p> <p>Refer to Addendum #4</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
42	13-May-19	<p>Extension to Tender Period: due to the complexity of the design and request of trade response and to assist in providing a competitive price to department of public works and government services of Canada, we formally request 2-week extension to the tender period.</p> <p>Item 1.9.1 requests full time security personnel to guard site and contents of site after working hours and during holidays. With an 80-week durations to the project this will add significant cost to the construction of the building. Please confirm if CCTV remotely monitored (if adequate broadband is available) can be an alternative option.</p> <p>Can you please confirm if the dock is designed as a drive-in application, so the trailer is backed inot the dock then the back doors of the trailer are opened.</p> <p>S132- Level 2 Floor Framing Plan East, and Section 14 43 21 Overhead Cranes: There is a not on the drawing that says the 2.5 t Overhead Brdige Crane is (by others) but the specification document specifies this cranes to be included in the price. Can you please confirm that the 2.5 t crane is to be included in our bid.</p> <p>S001 - General Notes: There is a mention of House Keeping pads in the reinforcing steel notes. Can you please identify the locations where these pads are required in the building.</p> <p>S003 - Typical Details: Detail 8 Planter Section has a not that says the aluminum planter and bolts are by others. Can you please confirm if the planter and bolts are to be included in our bid?</p>		<p>Owner</p> <p>Owner</p> <p>Architectural (NTAG)</p> <p>Structural</p> <p>Structural</p>	<p>Granted. Refer to addendum #3.</p> <p>Security not required. Refer to addendum #4.</p> <p>No, trailer does not enter building at loading dock.</p> <p>Included in bid.</p> <p>Equipment requiring a housekeeping pad to be identified by mechanical/electrical. Exact sizes and layouts also by mechanical/electrical and will depend on final equipment selections.</p> <p>Included in bid.</p>	<p>Addendum No. 3 (item 1.3)</p> <p>(item 1.4)</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
43	13-May-19	For the purposes of pricing the installation of the kinetic screen we will need to know the connection of the aluminum kinetic panels to the structural steel, whether this connection is to be welded or bolted the details of this connection will be needed for pricing the installation of the kinetic screen at the tender stage.		Architectural (NTAG)	Please allow for a bolted connection as shown in the details.	-
44	13-May-19	Are we also to price out the different type of grass’s, or does it go under some other category?		Landscape	There is not a separate category for the native grasses installation. It is acceptable that the landscape contractor complete all landscaping works identified in the landscape drawings and specification.	-
45	14-May-19	<p>1. Who pay for building Permit?</p> <p>2. Section 01 11 00 1.4 Substantial Performance - April 02, 2021, Bid and Acceptance Form (BA) BA06 the contractor must perform and complete the work within 80 weeks? This means December 2020? Please clarify?</p>		Owner	<p>1. See item 1.1 Building Permit Fee of Addendum 2</p> <p>2. See item 2.5 of Addendum 2 deleting article 1.4 from Specification Section 01 11 00</p>	<p>-</p> <p>-</p>
46	14-May-19	RFE 11	-	-	-	-
47	14-May-19	<p>1. New Section 084113 New Aluminum framed entrances and storefront : This section does not address question sent earlier</p> <p>a. Please provide a specification and advise the manufacturer of the new frame profile type 2 as issued in Addenda #1 sheet DA-062. I am not aware of any aluminum frames that are made in the configuration drawn and the new specification does not indicate a manufacture we can go to for pricing of same. Please advise where we can purchase these manually dual glazed aluminum frames detailed?</p>		Architectural (DSA)	<p>Refer to forthcoming Addendum #5</p>	<p>-</p> <p>-</p>

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		1. RFI list question 7 – Section 085113 Aluminum windows: Answer indicated there are windows which are from this section. Please advise which frames are to be the windows specified in Section 085113. Currently ALL aluminum frames shown on drawings are detailed as curtainwall or fibreglass and I am unable to see any details indicating that some of the windows are from section 085113		Architectural (NTAG)	No Aluminum windows. Section 08 51 13 to be removed.	Addendum No. 4 (item 1.2)
48	14-May-19	Panels PA, PB, PC & PD enclosures are marked as Weatherproof which is 3R; however the other panel schedules state 3R. In the panelboard specification 26 24 17 Page 2 2.1.13 it states that where exposed to weather a minimum of Nema 4 shall be provided. As these panels are located in the parking lot would Nema 3R or Nema 4 enclosure be required?	E502	Electrical	Refer to Addendum #4	Addendum No. 4
		In regards to the panel schedules, there are ccts that are marked as “GFI receptacle”; for example cct 9 of branch panel 1A on drawing E503. Can you please confirm if a GFI breaker is required or just your standard thermal mag breaker to feed a receptacle that is complete with GFI? Reason I ask, is I see ccts marked as “GFI heat trace”; in which I know a 30mA GFI breaker is required	E503		Refer to Addendum #4	-
		WPG03EXF01 & F02 are these supposed to be FVNR magnetic starters in MCC-6A? Is their voltage supposed to be 600?	E508		Refer to Addendum #4	-
		2.2 – Provisions for future energy consumption monitoring – As MD-6A has digital metering on all the feeder breakers – is this spec required?	26 24 13		Refer to Addendum #4	-
		2.2 – Provisions for future energy consumption monitoring – As the one-line has note 6; which notes the feeders in the CDP’s that require digital metering – is this spec required?	26 24 16		Refer to Addendum #4	-
		2.3.5 – As I do not know where the CDP’s will be stored on site, do I include a anti-condensation heater in each CDP?			Refer to Addendum #4	-
		2.6 – Are any of these required features required? If so, which features and which breakers are these required on? – Add# 2 states as shown on drawings however real time metering in the trip units would not show on the drawing. Can you please confirm if this is required. Page 7 5.3 .1 requests 3R enclosure to be replaced with sprinklerproof. Does this apply to drawing 507 as well?	26 28 21 Addendum #2		Refer to Addendum #4 Refer to Addendum #4	-
49	14-May-19	I am wondering if there is any more info as to what is required for the submersible pump systems such as what gpm are required and the total dynamic feet of head. I just want ensure I am sizing these system’s correctly. If there is any additional info that can be provided, it would be much appreciated.		Mechanical	Refer to Addendum #3	Addendum No.3 (item 1.3)
50	14-May-19	Is your customer/electrical engineer accepting alternate/equal/better solutions for the security systems in this project?		Owner	the only security system for which we have a sole source justification is the card reader system. For other systems alternate systems can be considered if they meet the performance specification.	-
51	14-May-19	In reference to the digital metering required for this project: Is specification 26 24 06 just for the customer digital metering unit mounted under the main breaker on drawing E601 and all Note 6 digital meters listed on drawing E601 and E602 are only to have KWH/KVA and communications into the Green dashboard? Or are all digital meters to meet specification 26 24 06? As Eaton’s breakers do not have digital metering, for the note 6 listed on the breakers on the bus duct run A, can the digital meter be placed in the downstream panel? For instance, note 6 listed on the 40A-3P breaker feeding Pnl 119, can I place the digital meter in panel 119?		Electrical	Refer to forthcoming Addendum #5	-
52	15-May-19	Section 03 30 00 Item 3.6 Field Quality Control states site test requirements for concrete that the contractor must pay to be carried out. Section 01 45 00 item 1.2.1 states independent inspection and testing agencies that will be engaged by department representatives and to allocate costs to section 01 21 13, otherwise testing is noted to be carried out by contractor as listed per specific specification section. We do not seem to have section 01 21 13, but we will assume that it is Section 01 21 00 and item 1.2 has a schedule of cash allowances which include testing for concrete, mortar and compaction. Can you confirm that your instruction is not to include any costs in our Bid other than the Cash Allowances for Concrete, Mortar and Soil or Stone fill Compaction Testing.	03 30 00	Arch Specifications	Refer to Addendum No. 4	Addendum No. 4 (item 1.3)
53	15-May-19	RFE 12	-	-	-	-
54	15-May-19	RFE 13	-	-	-	-
55	15-May-19	Please find the following RFI from a Structural Steel Trade: 1) What finish is required on the grating panels at the service catwalks and platforms? 2) Spec Section 05 12 23 Page 2 Item 1.2.6 refers to AECS (Architecturally Exposed Structural Steel) but I don’t see any indication on the drawings as to where this might apply or to what level of finish these needs to be. (AECS 1, AECS 2, AECS 3 or AECS 4). Please clarify extent and intent.		Artchitectural (DSA) / Structural	Galvanized finish. See Addendum No. 4 See Addendum No. 4.	Addendum No. 4 (item 6.2) (item 6.1)
56	15-May-19	RFE 14	-	-	-	-
57	15-May-19	In the Invitation to Tender, SI09 directs to see Appendix 3 regarding parts of the work requiring submission of subcontractor names. Please confirm this should actually be Appendix 2.		owner	Should be Appendix 2 and will be corrected in a forthcoming amendment	Addendum No. 4

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58	15-May-19	Section 3.5.1. reuires a Vapour Barrier to the crawl space which can be carried out as per the specification document. Section 2.1.3 requires a membrane vapour barrier 10 mil thick to the crawl space. Without a concrete substrate can you clarify howthis product should be applied.		Architectural (NTAG)	Refer to forthcoming Addendum No. 5	-
59	15-May-19	Please provide layout and details for housekeeping pads required for mechanical systems.		Mechanical	Refer to forthcoming Addendum #5	
60	16-May-19	Section 28 13 00 Access Control 2.4.1 - it mentions glass breaks. There are no glass breaks on the drawings. Is this supposed to be power for the shock sensors? 2.5 - this is a mullion reader. Is every card reader being installed on a mullion? 2.8.2 - panic switches? There are no panic switches on the drawings. Section 28 23 00 CCTV 1.2.1.1.4 - mentions existing CCTV. Is there existing CCTV the system proposed is being connected to? 2.8 - Is the 360 indoor camera to be the indoor PTZ camera as listed in the CCTV schedule on drawing E508? Or are all interior cameras supposed to be a PTZ, not a 360 (set in PTZ mode)? If so, what’s the purpose of the 360-camera listed in item 2.8? 2.9 - Designed for analog systems. IP system is networked through fibre patch panels and switches as per Division 27. 2.11 - Designed for analog systems. Exterior IP cameras as specified are powered by POE+. 2.12 - Discontinued switch. 2.14 - Discontinued model. Updated model is TH42LF80U Section 27 52 16 Public address and Mass Notification systems- Part 1, 1.4.1.2: Will an external antenna be required? If so, please provide a mounting detail and spec. 1.4.2.1 If the wireless mic is to be used for paging, what is the required type (handheld, headset) and range? Part 2, 2.6-2.8 Can a single digital signal processor be used to replace these separate analog components as long as the specified functionality is provided? Are the volume controls associated with the paging system intended to be Priority Attenuators? Please provide a spec for this component. Section 27 52 16 Sound Masking System- Part 2, 2.2.9 Please provide locations for the in-room occupant controls if required Drawing 202-E303, Detail 3: The drawing shows the sound masking control panel connected to the Paging system amplifier via a Cat6 cable. Is the intent a contact out from the paging system to mute the masking during an All Call? Please clarify.		Electrical	Shock Sensors Standard readers, only mullion readers where shown on door frames correct, no panic switches No existing, new only All interior cameras to be PTZ. Item 2.8 to be removed. Yes Please propose alternate. Updated model is TH42LF80U No Handheld at reception desk Yes Please provide cutsheet for component None required Yes, intent to mute masking during all call	- - - - - - - - - - - -
61	16-May-19	RFE #15	-	-	-	-
62	16-May-19	In the Invitation to Tender, the Bid Form indicates the work must be completed within 80 weeks of acceptance. However clause 01 11 00.1.4.1 of the project specification indicates substantial performance is required for occupancy before April 2, 2021, which would be later than 80 weeks based on a 30 day award. Please clarify the requirement for Substantial Performance of the Work.		Owner	This was addressed in Addendum No. 2. Refer to Item 2.5 of the Addendum & Item #26 of Request for Information (RFI) Log.	-
63	16-May-19	Clause 26 05 00.2.6.4 of the project specification calls for all conduits to be factory painted for all systems. Is this directly to ½” to 4” EMT on the entire project or a portion thereof? Please confirm as this would be a costly item.		Electrical	This is a requirement of NRC and applies to conduits up to 52 mm in diameter.	-
64	16-May-19	RFE #16	-	-	-	-
65	16-May-19	Transformer “TR-EPB” What panel is it fed from? What is the size and spec of the transformer? Heat Trace Please see attached Spoke with our heat trace supplier, he is suggesting we would need to use the attached. Please confirm if this is ok. O/H Crane Location Drawing E-601 shows O/H crane fed from MD-6A, Drawing E-123 Shows O/H Crane fed from PNL 128. Which panel are we to feed O/H Crane from?		Electrcical	Refer to forthcoming Addendum #5	-

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		CU-01-01 Please confirm CU-01-01 location.				
66	16-May-19	I have a question about the Thermal Broken clip system, is this a clip that is manufactured by Engineered Assemblies called a T-Clip? Also it says for it to be fabricated from 24ga steel but that doesn't make any sense to me as you would never use 24 ga steel girts attached to a roof system. I have attached what the spec says below. .1 Sub-Framing Thermal Spacer: 100% pultruded glass fibre and thermoset polyester resin, Clips: Thermally responsive clips to be fabricated from a minimum of 0.61 mm steel with a minimum Z275 galvanized coating designed to accommodate expansion and contraction of the roof system. Continuous hat bar and zee clips made from galvanized material, thickness to suit design parameters, to accommodate depth of insulation. This is from section 07 61 00 and can be found under components 2.2 #1 I would also like to know if this thermal clip is the same for the whole building for the metal roof and all exterior wall assemblies? RFE #17		Architectural (NTAG)	Thermal clip and angle acceptable as long as it meets engineered shop drawings. Design basis was to have different types, refer to 07 21 13. Using the same clip system is acceptance as long as it meets performance and shop drawing requirements.	- - -
67	16-May-19	Our engineer was wondering why sealed shop drawings would be required if we are going to produce shop drawings according to the structural drawings in the project package, as the design for precast or cast in place would be identical. Or are you saying that sealed shop drawings are only required if the manufacturer wants to deviate from the original design drawings in the project documents?	Addendum 2 - item 6.1	Structural	The precast option proposed is inherently different than the cast-in-place detail provided. For this reason, sealed shop drawings are required.	-
68	16-May-19	I am contacting you with regards to the above noted project and some discrepancies I see in the specification. For this project you are asking for a 42" wide <u>FLAT</u> exterior which IMP manufactures cannot produce if I'm not mistaken.		Architectural (NTAG)	Revised to 40". Refer to Addendum #4	Addendum No. 4 (item 1.6)
69	16-May-19	In pricing ESD-6B, if the meters required are just power meters and do not need to meet spec. 26 24 06, then I can use Eaton's Optim 1050 trip unit. The only issue I run into is the 2-20A-3P breakers required. The lowest amperage that I can provide with the Optim 1050 trip is 28A. Can you please confirm that the 3 – 20A breakers are to be c/w metering? If so, I will have to provide 3 separate digital meters to cover these three breakers. The two 600A-3P breakers listed on drawing E602 to the left of the generator, are these to be included in the generator enclosure?		Electrical	Refer to forthcoming Addendum #5	-
70	16-May-19	RFE #18	-	-	-	-
71	16-May-19	RFE #19	-	-	-	-
72	16-May-19	RFE #20	-	-	-	-
73	16-May-19	RFE #21	-	-	-	-
74	17-May-19	Item 2.1.1.2 calls for a panel thickness of 101.6mm if we provide you with panels this thick they will have steel skins and we cannot adhere wood veneer (Item 2.1.1.4) to the face. We can provide a 76mm thick panel with MDF skin that would provide an STC rating of 47 with the wood veneer requirement, however the Top seals would be a fixed seal. Item 2.1.1.8 calls for Operable Top seals.		Architectural (DSA)	Refer to forthcoming Addendum #5	-
75	17-May-19	1. Drawing M300 along grid lines 6 & 9, hot and cold lines feeding past the water meter thru a empty square box symbol, is this to be an (B.P) backflow preventer? If so what is the spec of it, if it is a RPZ that requires a drain where should that be drained to? 2. Add #1 boiler schedule calls up 2 – WPG03BL203's, seems like the first should be a 01? Please clarify. 3. Add#1 humidifier schedule WPG03HUM03 model number is missing. 4. Drawing M600 does not shown the space reserved for the domestic water expansion tank WPG03EXT06. Clarify location. 5. Drawing M202 detail #1 the domestic hot water schematic shows a hot, cold and recirc lines feeding the hot water tanks along with a solid line piped from the top of the tank, this solid line piping does not match up with any of the pipe plumbing symbols from M000. Clarify what this piping is for? 6. Expansion tank schedule is missing. 7. Heat exchanger schedule is missing. 8. Unit heater schedule is missing. 9. Fan coil unit schedule is missing. 10. In-floor heating schedule is missing.		Mechanical	Refer to forthcoming Addendum #5	-

NRC AMP Winnipeg Tender Period - Requests for Information/Contractor Questions

Issued for Tender Documents - April 17, 2019

Item #	Date of Request	Question	Section/ Drawing Reference	Dicipline	Response	Issued
		11. Finned tube radiation heaters schedule is missing. 12. Compressed air piping spec 22 15 00 – 2.5.2 if the copper piping to be used for this system is cleaned for oxygen service should the system be under a nitrogen purge while its being brazed to keep the system clean? 13. Please provide an anticipated load for the future 1-1/2” natural gas lines in order to correctly size the regulator shown on drawing M300 typical.				

NRC AMP Winnipeg Tender Period - Requests for Equals
 Issued for Tender Documents - April 17, 2019

No.	Date of Request	Specified Product	Dicipline	Accepted/Rejected	Issued	Comments
1	24-Apr	Overhead Door	Architectural	n/a	n/a	RFE not required, please meet performance spec
2	24-Apr	Nabco Door operator	Architectural	Accepted	Addendum #2	(item 2.9)
3	25-Apr	Artspan Insulated steel panel (IMP)	Architectural	Rejected	-	-
4	25-Apr	Overhead Coiling Door and Grilles	Architectural	n/a	n/a	RFE not required, please meet performance spec
5	26-Apr	Door Operator	Hardware	Accepted	Addendum #2	(item 2.9)
6	29-Apr	PA system / Sound Masking	Electrical	n/a	-	RFE not required, please meet performance spec
7	30-Apr	Concrete Pole foundations	Structural	Accepted	Addendum #2	(item 6.1)
8	30-Apr	CCTV equipment	Electrical	n/a	n/a	RFE not required, please meet performance spec
9	9-May	Electrical Distribution - Power-Xpert Meter PXM1300 series with PXM1K-BIPP & PXM1K-210	Electrical	accepted	Addendum #4	
10	9-May	Alpolic	Architectural	n/a	-	RFE not required, please meet performance spec
		Kingspan Shadowline		rejected	-	-
		new tech panel		n/a	-	RFE not required, please meet performance spec
		HF-12		n/a	-	RFE not required, please meet performance spec
11	14-May	Hardware (list)	Hardware	accepted	Addendum #4	
12	15-May	Horton Door operators	Hardware	accepted	Addendum #4	
13	15-May	Securock Gypsum Fiber Roof Board	Architectural			
14	15-May	Pheonix Valves	Mechanical			
15	16-May	Telecor Digital Clock	Owner	accepted	Addendum #4	
16	16-May	Blueskin SA (walls) & Blueskin RF200 (standing seam)	Architectural	n/a	n/a	RFE not required, please meet performance spec
17	16-May	Roxul	Architectural			
		ISO Clip		n/a		RFE not required, please meet performance spec
18	16-May	Cladco Alpolic C2000	Architectural			
19	16-May	TSS150 Standing Seam Wall and Roof Panel	Architectural			
20	16-May	HF-12F or HF-12NF Wall panels	Architectural			
21	17-May	Kingspan IMP	Architectural	n/a		RFE not required, please meet performance spec