

593-2024B ADDENDUM 9

CONSTRUCTION OF NORTH GARAGE REPLACEMENT

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID/PROPOSAL ISSUED: May 6, 2025 BY: Arthur Anderson, C.E.T., CCCA TELEPHONE NO. 204 801-7579

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

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 _Addendum_3_Form B: Prices with 593-2024B Addendum 9 Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:
 - Form B(R2): Various revisions, additions and deletions to items.

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

PART D – SUPPLEMENTAL CONDITIONS

Revise:	D3.1(f) to read:	(f)	Off load Electric followin Long Le Project:	ling and installation Tender 1045-2024 Supply and Delivery of Long Lead al Equipment for Winnipeg's North Garage Replacement Project. The g is a general list of items in for the 1045-2024-Supply and Delivery of ead Electrical Equipment for Winnipeg's North Garage Replacement
			(i)	Building Power Transformer
			(ii)	Charger Power Transformer
			(iii)	66kV Disconnect Switch and Fuses
			(iv)	High Voltage Padmount Type Transformer
			(v)	12.47kV Switchgear SWBD-61
			(vi)	Indoor Low Voltage Switchgear SWBD-61
Revise:	D3.2 to read:	The fun	ds availa	able for this Contract are \$148,000,000.00
Revise:	D18.4 to read:	The City	y intends	s to award this Contract by July 25 , 2025.
Revise:	D21.1 to read:	The Co	ntractor	shall achieve Substantial Performance by October 1, 2027.
Revise:	D22.1 to read:	The Co	ntractor	shall achieve Total Performance by November 30 , 2027.

PART E – SPECIFICATIONS

Add: E32 MATERIAL TESTING

DESCRIPTION

- E32.1 This specification covers the quality control material testing required for Off-Site and On-Site Civil Works including both underground and surface works.
- E32.2 Off-Site Civil Works shall include all underground and surface works required to construct the westbound and eastbound turning lanes on Oak Point Highway, and Hyde Avenue between Oak Point Highway and the 100 Oak Point Highway property limit.
- E32.3 On-Site Civil Works shall include all underground and surface works constructed within the property limits of 100 Oak Point Highway. All testing shall be completed by a certified testing laboratory as specified as per the City of Winnipeg Construction specifications.
- E32.4 Referenced Standard Construction Specifications
 - (a) CW 2030 Excavation, Bedding and Backfill
 - (b) CW 3110 Sub-Grade-Sub-Base and Base Course Construction
 - (c) CW 3170 Earthwork and Grading
 - (d) CW 3310 Portland Cement Concrete Pavement Works
 - (e) CW 3410 Asphaltic Concrete Pavement Works

CONSTRUCTION METHODS

- E32.5 For Off-Site Civil Works:
- E32.5.1 The Contract Administrator shall arrange for the quality control material testing for all Off-Site Civil Works as indicated in City of Winnipeg Standard Construction Specifications.
- E32.6 For On-Site Civil Works:
- E32.6.1 The Contractor shall arrange for the quality control material testing for all On-Site Civil Works.
- E32.6.2 All quality control material testing for On-Site Civil Works shall be as per the requirements in the applicable City of Winnipeg Standard Construction Specification.
- E32.6.3 All quality control material testing results will be provided in a timely manner to the Contract Administrator for review.
- E32.6.4 The Contract Administrator may conduct quality assurance material testing as required to verify the quality control material testing results provided by the Contractor.
- E32.6.5 Note that for all On-Site Civil Works where City of Winnipeg Standard Construction Specifications state material testing is to be arranged by the Contract Administrator, these clauses are overridden by the requirements stated herein.
- E32.6.6 For every 2500 tonnes of each type of bedding and granular backfill material complete quality control testing as identified in CW 2030 and submit to the Contract Administrator.
- E32.6.7 The Contractor shall take representative samples of suitable site backfill material and determine maximum dry density in accordance with ASTM

D698. Take additional samples of compacted suitable site trench backfill material where in place density and moisture properties are not aligned with previous samples tested and complete additional maximum dry density testing in accordance with ASTM D698.

- E32.6.8 Compaction tests for backfill of trenched underground utilities to be completed at a frequency of 1 test every 30m per lift per trench, minimum 2 tests per lift per trench for each backfill type. Testing to be performed daily during backfilling operations.
- E32.6.9 Revise CW 2030 clause 3.8.4 compaction requirements for Class 4 Backfill to be at least 90% of Standard Proctor Density determined per E32.6.7.

MEASUREMENT AND PAYMENT

- E32.7 No separate measurement or payment will be made for the quality control material testing completed by the Contractor for the On-Site Civil Works.
- E32.8 The costs of all on site material testing shall be paid by the contractor.

DRAWINGS

Architectural

The following Architectural drawings are to be replaced or added, and are included in PDF file 593-2024B_Addendum_9_Drawing_Arch-IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_00-G-001_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-G-001_IFC-R3

593-2024B_Addendum_7_Drawing_00-G-003_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-G-003_IFC-R3

593-2024B_Addendum_7_Drawing_00-AS101_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-AS101_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-001_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-001_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-101_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-151_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-151_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-152_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-152_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-502_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-502_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-505_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-505_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-510_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-510_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-511_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-511_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-513_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-513_IFC-R3

593-2024B_Addendum_7_Drawing_00-A-520_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-520_IFC-R3 593-2024B_Addendum_7_Drawing_00-A-521_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-521_IFC-R3 593-2024B_Addendum_7_Drawing_00-A-530_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-530_IFC-R3 593-2024B_Addendum_7_Drawing_00-A-532_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-532_IFC-R3 593-2024B_Addendum_7_Drawing_00-A-533_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-A-533_IFC-R3 593-2024B Addendum 7 Drawing 00-A-540 IFC-R2 with 593-2024B Addendum 9 Drawing 00-A-540 IFC-R3 593-2024B_Addendum_7_Drawing_10-A-151_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-A-151_IFC-R3 593-2024B_Addendum_7_Drawing_10-A-152_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-A-152_IFC-R3 593-2024B_Addendum_7_Drawing_10-A-351_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-A-351_IFC-R3 593-2024B Addendum 7 Drawing 10-A-352 IFC-R2 with 593-2024B Addendum 9 Drawing 10-A-352 IFC-R3 593-2024B Addendum 7 Drawing 10-A-401 IFC-R2 with 593-2024B Addendum 9 Drawing 10-A-401 IFC-R3 593-2024B Addendum 7 Drawing 10-A-403 IFC-R2 with 593-2024B Addendum 9 Drawing 10-A-403 IFC-R3 593-2024B Addendum 7 Drawing 10-A-420 IFC-R2 with 593-2024B Addendum 9 Drawing 10-A-420 IFC-R3 593-2024B_Addendum_7_Drawing_10-A-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-A-601_IFC-R3 593-2024B Addendum 7 Drawing 10-A-602 IFC-R2 with 593-2024B Addendum 9 Drawing 10-A-602 IFC-R3 593-2024B Addendum 7 Drawing 20-A-151 IFC-R2 with 593-2024B Addendum 9 Drawing 20-A-151 IFC-R3 593-2024B_Addendum_7_Drawing_20-A-152_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-A-152_IFC-R3 593-2024B_Addendum_7_Drawing_20-A-153_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-A-153_IFC-R3 593-2024B Addendum 7 Drawing 20-A-351 IFC-R2 with 593-2024B Addendum 9 Drawing 20-A-351 IFC-R3 593-2024B Addendum 7 Drawing 20-A-401 IFC-R2 with 593-2024B Addendum 9 Drawing 20-A-401 IFC-R3 593-2024B_Addendum_7_Drawing_20-A-402_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-A-402_IFC-R3

593-2024B_Addendum_7_Drawing_20-A-420_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-A-420_IFC-R3 593-2024B_Addendum_7_Drawing_20-A-602_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-A-602_IFC-R3 593-2024B_Addendum_7_Drawing_30-A-151_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-151_IFC-R3 593-2024B_Addendum_7_Drawing_30-A-152_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-152_IFC-R3 593-2024B_Addendum_7_Drawing_30-A-153_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-153_IFC-R3 593-2024B Addendum 7 Drawing 30-A-303 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-303 IFC-R3 593-2024B_Addendum_7_Drawing_30-A-351_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-351_IFC-R3 593-2024B_Addendum_7_Drawing_30-A-352_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-352_IFC-R3 593-2024B_Addendum_7_Drawing_30-A-401_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-401_IFC-R3 593-2024B Addendum 7 Drawing 30-A-402 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-402 IFC-R3 593-2024B Addendum 7 Drawing 30-A-404 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-404 IFC-R3 593-2024B Addendum 7 Drawing 30-A-420 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-420 IFC-R3 593-2024B Addendum 7 Drawing 30-A-503 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-503 IFC-R3 593-2024B_Addendum_7_Drawing_30-A-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-A-601_IFC-R3 593-2024B Addendum 7 Drawing 30-A-602 IFC-R2 with 593-2024B Addendum 9 Drawing 30-A-602 IFC-R3 593-2024B Addendum 7 Drawing 40-A-151 IFC-R2 with 593-2024B Addendum 9 Drawing 40-A-151 IFC-R3 593-2024B_Addendum_7_Drawing_40-A-152_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-152_IFC-R3 593-2024B_Addendum_7_Drawing_40-A-201_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-201_IFC-R3 593-2024B Addendum 7 Drawing 40-A-403 IFC-R2 with 593-2024B Addendum 9 Drawing 40-A-403 IFC-R3 593-2024B Addendum 7 Drawing 40-A-404 IFC-R2 with 593-2024B Addendum 9 Drawing 40-A-404 IFC-R3 593-2024B_Addendum_7_Drawing_40-A-405_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-405_IFC-R3

593-2024B_Drawing_40-A-407_IFC-R1 with 593-2024B_Addendum_9_Drawing_40-A-407_IFC-R2

593-2024B_Addendum_7_Drawing_40-A-413_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-413_IFC-R3

593-2024B_Addendum_7_Drawing_40-A-420_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-420_IFC-R3

593-2024B_Addendum_7_Drawing_40-A-602_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-602_IFC-R3

593-2024B_Addendum_7_Drawing_40-A-603_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-A-603_IFC-R3

Structural

The following Structural drawings are to be replaced or added, and are included in PDF file 593-2024B_Addendum_9_Drawing_Structural_IFC-R3:

Replace: 593-2024B_Drawing_00-S-002_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-002_IFC-R2

593-2024B_Drawing_00-S-003_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-003_IFC-R2

593-2024B_Addendum_7_Drawing_00-S-004_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-S-004_IFC-R3

593-2024B_Addendum_7_Drawing_00-S-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-S-101_IFC-R3

593-2024B_Drawing_00-S-102_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-102_IFC-R3

593-2024B_Drawing_00-S-155_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-155_IFC-R2

593-2024B_Addendum_7_Drawing_00-S-255_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-S-255_IFC-R3

593-2024B_Addendum_7_Drawing_00-S-504_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-S-504_IFC-R3

593-2024B_Addendum_7_Drawing_00-S-510_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-S-510_IFC-R3

593-2024B_Drawing_00-S-521_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-521_IFC-R2

593-2024B_Drawing_00-S-550_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-S-550_IFC-R2

Mechanical

The following Mechanical drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Mech-HVAC_IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_00-M-001_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-001_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-002_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-002_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-102_IFC-R3

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> 593-2024B_Addendum_7_Drawing_00-M-104_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-104_IFC-R3

> 593-2024B_Addendum_7_Drawing_00-M-501_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-501_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-503_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-503_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-504_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-504_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-506_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-506_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-507_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-507_IFC-R3

593-2024B_Addendum_7_Drawing_00-M-508_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-M-508_IFC-R3

593-2024B_Addendum_7_Drawing_20-M-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-M-101_IFC-R3

593-2024B_Addendum_7_Drawing_20-M-103_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-M-103_IFC-R3

593-2024B_Addendum_7_Drawing_30-M-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-M-101_IFC-R3

593-2024B_Addendum_7_Drawing_30-M-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-M-102_IFC-R3

593-2024B_Addendum_7_Drawing_30-M-301_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-M-301_IFC-R3

593-2024B_Addendum_7_Drawing_30-M-401_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-M-401_IFC-R3

593-2024B_Addendum_7_Drawing_50-M-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-M-601_IFC-R3

593-2024B_Addendum_7_Drawing_50-M-602_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-M-602_IFC-R3

593-2024B_Addendum_7_Drawing_50-M-621_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-M-621_IFC-R3

593-2024B_Drawing_50-M-631_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-631_IFC-R2

593-2024B_Addendum_7_Drawing_50-M-632_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-M-632_IFC-R3

593-2024B_Drawing_50-M-633_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-633_IFC-R2

593-2024B_Drawing_50-M-634_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-634_IFC-R2

593-2024B_Drawing_50-M-635_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-635_IFC-R2

593-2024B_Addendum_7_Drawing_50-M-636_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-636_IFC-R2

593-2024B_Drawing_50-M-640_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-640_IFC-R2

593-2024B_Drawing_50-M-641_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-641_IFC-R2 593-2024B_Drawing_50-M-642_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-642_IFC-R2 593-2024B_Drawing_50-M-643_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-643_IFC-R2 593-2024B_Drawing_50-M-644_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-644_IFC-R2 593-2024B_Drawing_50-M-645_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-645_IFC-R2 593-2024B_Drawing_50-M-646_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-646_IFC-R2 593-2024B_Drawing_50-M-646_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-646_IFC-R2 593-2024B_Drawing_50-M-647_IFC-R1 with 593-2024B_Addendum_9_Drawing_50-M-646_IFC-R2

593-2024B_Addendum_7_Drawing_50-M-649_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-M-649_IFC-R3

Mechanical Industrial

The following Mechanical Industrial drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Mech-INDUSTRIAL_IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_10-D-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-D-101_IFC-R3

593-2024B_Addendum_7_Drawing_50-D-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-D-601_IFC-R3

593-2024B_Addendum_7_Drawing_50-D-610_IFC-R2 with 593-2024B_Addendum_9_Drawing_50-D-610_IFC-R3

Mechanical Fire Protection and Plumbing

The following Mechanical Fire Protection drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Mech-FIRE-PLUMBING_IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_00-F-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-F-101_IFC-R3

593-2024B_Addendum_7_Drawing_00-F-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-F-601_IFC-R3

593-2024B_7_Drawing_00-F-103_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-F-103_R2

593-2024B_Addendum_7_Drawing_10-P-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-P-101_IFC-R3

593-2024B_Addendum_7_Drawing_20-P-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-P-101_IFC-R3

593-2024B_Addendum_7_Drawing_30-P-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-P-101_IFC-R3

593-2024B_Addendum_7_Drawing_40-P-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-P-101_IFC-R3

593-2024B_Addendum_7_Drawing_00-P-601_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-P-601_IFC-R3

593-2024B_Addendum_7_Drawing_10-P-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_10-P-102_IFC-R3
593-2024B_Addendum_7_Drawing_20-P-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_20-P-102_IFC-R3
593-2024B_Addendum_7_Drawing_30-P-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-P-102_IFC-R3
593-2024B_Addendum_7_Drawing_40-P-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_40-P-102_IFC-R3
593-2024B_Drawing_00-P-104_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-P-104–R2
593-2024B_Addendum_7_Drawing_00-P-603_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-P-603_IFC-R3
593-2024B_Addendum_7_Drawing_30-P-103_IFC-R2 with 593-2024B_Addendum_9_Drawing_30-P-103_IFC-R3
593-2024B_Addendum_7_Drawing_00-P-105_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-P-105_IFC-R3
593-2024B_Drawing_00-P-605_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-P-605–R2
593-2024B_Addendum_7_Drawing_00-P-501_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-P-501_IFC-R3

Add: 593-2024B_Addendum_9_Drawing_30-P-105-R1

Electrical

The following Electrical drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Electrical_IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_G-0002_IFC-R2 with 593-2024B_Addendum_9_Drawing_G-0002-R3 593-2024B_Addendum_7_Drawing_E-0003_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0003-R3 593-2024B_Addendum_7_Drawing_E-0050_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0050-R3 593-2024B_Addendum_7_Drawing_E-0052_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0101-R3 593-2024B_Addendum_7_Drawing_E-0101_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0101-R3 593-2024B_Addendum_7_Drawing_E-0502_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0502-R3 593-2024B_Addendum_7_Drawing_E-0503_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0503-R3 593-2024B_Addendum_7_Drawing_E-0503_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-0503-R3 593-2024B_Addendum_7_Drawing_E-1004_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-1004-R3 593-2024B_Addendum_7_Drawing_E-1005_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-1005-R3 593-2024B_Addendum_7_Drawing_E-2101_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-1005-R3 593-2024B_Addendum_7_Drawing_E-2101_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2101-R3 593-2024B_Addendum_7_Drawing_E-2102_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2101-R3 593-2024B_Addendum_7_Drawing_E-2102_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2102-R3 593-2024B_Addendum_7_Drawing_E-2103_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2103-R3 593-2024B_Addendum_7_Drawing_E-2104_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2103-R3 593-2024B_Addendum_7_Drawing_E-2104_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2103-R3

593-2024B_Drawing_E-2105_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-2105_IFC-R2 593-2024B_Addendum_7_Drawing_E-2107_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2107-R3 593-2024B Drawing E-2108 IFC-R1 with 593-2024B Addendum 9 Drawing E-2108 IFC-R2 593-2024B_Addendum_7_Drawing_E-2110_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2110-R3 593-2024B_Addendum_7_Drawing_E-2201_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2201-R3 593-2024B_Addendum_7_Drawing_E-2202_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2202-R3 593-2024B_Addendum_7_Drawing_E-2301_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2301-R3 593-2024B Addendum 7 Drawing E-2302 IFC-R2 with 593-2024B Addendum 9 Drawing E-2302-R3 593-2024B Drawing E-2400 IFC-R1 with 593-2024B Addendum 9 Drawing E-2400 IFC-R2 593-2024B_Addendum_7_Drawing_E-2500_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-2500-R3 593-2024B_Drawing_E-2602_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-2602_IFC-R2 593-2024B Drawing E-3101 IFC-R1 with 593-2024B Addendum 9 Drawing E-3101 IFC-R2 593-2024B Drawing E-3102 IFC-R1 with 593-2024B Addendum 9 Drawing E-3102 IFC-R2 593-2024B_Addendum_7_Drawing_E-3103_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-3103-R3 593-2024B_Drawing_E-3104_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-3104_IFC-R2 593-2024B_Drawing_E-3105_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-3105_IFC-R2 593-2024B Drawing E-3106 IFC-R1 with 593-2024B Addendum 9 Drawing E-3106 IFC-R2 593-2024B Drawing E-3108 IFC-R1 with 593-2024B Addendum 9 Drawing E-3108 IFC-R2 593-2024B_Drawing_E-3109_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-3109_IFC-R2 593-2024B_Drawing_E-3110_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-3110_IFC-R2 593-2024B Drawing E-3111 IFC-R1 with 593-2024B Addendum 9 Drawing E-3111 IFC-R2 593-2024B Addendum 7 Drawing E-3201 IFC-R2 with 593-2024B Addendum 9 Drawing E-3201-R3 593-2024B Addendum 7 Drawing E-3202 IFC-R2 with 593-2024B Addendum 9 Drawing E-3202-R3 593-2024B_Drawing_E-3301_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-3301_IFC-R2 593-2024B_Addendum_7_Drawing_E-3302_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-3302-R3 593-2024B Addendum 7 Drawing E-3550 IFC-R2 with 593-2024B Addendum 9 Drawing E-3550 IFC-R3 593-2024B Addendum 7 Drawing E-3600 IFC-R2 with 593-2024B Addendum 9 Drawing E-3600 IFC-R3 593-2024B_Addendum_7_Drawing_E-3601_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-3601_IFC-R3 593-2024B_Drawing_E-5101_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-5101_IFC-R2 593-2024B_Drawing_E-5102_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-5102_IFC-R2 593-2024B Drawing E-5103 IFC-R1 with 593-2024B Addendum 9 Drawing E-5103 IFC-R2 593-2024B_Drawing_E-5104_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-5104_IFC-R2 593-2024B_Addendum_7_Drawing_E-5302_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-5302_IFC-R3

593-2024B_Drawing_E-5400_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-5400_IFC-R2 593-2024B_Drawing_E-5500_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-5500_IFC-R2 593-2024B Addendum 7 Drawing E-5600 IFC-R2 with 593-2024B Addendum 9 Drawing E-5600 IFC-R3 593-2024B Addendum 7 Drawing E-5601 IFC-R2 with 593-2024B Addendum 9 Drawing E-5601 IFC-R3 593-2024B_Addendum_7_Drawing_E-6102_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-6102_IFC-R3 593-2024B_Addendum_7_Drawing_E-6103_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-6103_IFC-R3 593-2024B_Drawing_E-6104_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-6104_IFC-R2 593-2024B Addendum 7 Drawing E-6105 IFC-R2 with 593-2024B Addendum 9 Drawing E-6105 IFC-R3 593-2024B Drawing E-6106 IFC-R1 with 593-2024B Addendum 9 Drawing E-6106 IFC-R2 593-2024B Addendum 7 Drawing E-6108 IFC-R2 with 593-2024B Addendum 9 Drawing E-6108 IFC-R3 593-2024B_Drawing_E-6109_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-6109_IFC-R2 593-2024B Drawing E-6110 IFC-R1 with 593-2024B Addendum 9 Drawing E-6110 IFC-R2 593-2024B Drawing E-6111 IFC-R1 with 593-2024B Addendum 9 Drawing E-6111 IFC-R2 593-2024B_Drawing_E-6301_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-6301_IFC-R2 593-2024B_Drawing_E-7301_IFC-R1 with 593-2024B_Addendum_9_Drawing_E-7301_IFC-R2 593-2024B_Addendum_7_Drawing_E-8000_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-8000_IFC-R3 593-2024B Addendum 7 Drawing E-8002 IFC-R2 with 593-2024B Addendum 9 Drawing E-8002 IFC-R3 593-2024B_Addendum_7_Drawing_E-8003_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-8003_IFC-R3 593-2024B Addendum 7 Drawing E-8004 IFC-R2 with 593-2024B Addendum 9 Drawing E-8004 IFC-R3 593-2024B_Addendum_7_Drawing_E-8005_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-8005_IFC-R3 593-2024B Addendum 7 Drawing E-8006 IFC-R2 with 593-2024B Addendum 9 Drawing E-8006 IFC-R3 593-2024B Addendum 7 Drawing E-8007 IFC-R2 with 593-2024B Addendum 9 Drawing E-8007 IFC-R3 593-2024B Addendum 7 Drawing E-8008 IFC-R2 with 593-2024B Addendum 9 Drawing E-8008 IFC-R3 593-2024B Addendum 7 Drawing E-8009 IFC-R2 with 593-2024B Addendum 9 Drawing E-8009 IFC-R3 593-2024B_Addendum_7_Drawing_E-8011_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-8011_IFC-R3 593-2024B Addendum 7 Drawing E-8012 IFC-R2 with 593-2024B Addendum 9 Drawing E-8012 IFC-R3 593-2024B Drawing E-9000 IFC-R1 with 593-2024B Addendum 9 Drawing E-9000 IFC-R2 593-2024B_Addendum_7_Drawing_E-9001_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-9001_IFC-R3 593-2024B_Addendum_7_Drawing_E-9002_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-9002_IFC-R3 593-2024B_Addendum_7_Drawing_E-9050_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-9050_IFC-R3 593-2024B Drawing E-9052 IFC-R1 with 593-2024B Addendum 9 Drawing E-9052 IFC-R2 593-2024B_Addendum_7_Drawing_E-9300_IFC-R2 with 593-2024B_Addendum_9_Drawing_E-9300_IFC-R3

Landscape

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The following Landscape drawings are to be replaced or added, and are included in PDF file 593-2024B_Addendum_9_Drawing_Land_IFC-R3:

Replace:	593-2024B_Addendum_7_Drawing_00-L-101_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-L-101_IFC-R3
	593-2024B_Addendum_7_Drawing_00-L-102_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-L-102_IFC-R3
	593-2024B_Addendum_7_Drawing_00-L-103_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-L-103_IFC-R3
	593-2024B_Addendum_7_Drawing_00-L-105_IFC-R0 with 593-2024B_Addendum_9_Drawing_00-L-105_IFC- R1
	593-2024B_Addendum_7_Drawing_00-L-201_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-L-201_IFC- R2
	593-2024B_Addendum_7_Drawing_00-L-501_IFC-R2 with 593-2024B_Addendum_9_Drawing_00-L-501_IFC-R3
	593-2024B_Addendum_7_Drawing_00-L-502_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-L-502_IFC- R2
Add:	593-2024B_Addendum_9_Drawing_00-L-301_IFC-R0

Security

The following Security drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Security_IFC-R3:

Replace: 593-2024B_Addendum_7_Drawing_TY002_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY002_IFC-R3 593-2024B_Addendum_7_Drawing_TY100_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY202_IFC-R3 593-2024B_Addendum_5_Drawing_TY202_IFC-R1 with 593-2024B_Addendum_9_Drawing_TY601_IFC-R3 593-2024B_Addendum_5_Drawing_TY700_IFC-R1 with 593-2024B_Addendum_9_Drawing_TY700_IFC-R3 593-2024B_Addendum_7_Drawing_TY715_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY700_IFC-R3 593-2024B_Addendum_7_Drawing_TY716_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY715_IFC-R3 593-2024B_Addendum_7_Drawing_TY716_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY716_IFC-R3 593-2024B_Addendum_5_Drawing_TY717_IFC-R1 with 593-2024B_Addendum_9_Drawing_TY716_IFC-R3 593-2024B_Addendum_7_Drawing_TY718_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY718_IFC-R3 593-2024B_Addendum_7_Drawing_TY719_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY719_IFC-R3 593-2024B_Addendum_7_Drawing_TY719_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY719_IFC-R3 593-2024B_Addendum_7_Drawing_TY719_IFC-R2 with 593-2024B_Addendum_9_Drawing_TY719_IFC-R3

Civil:

The following Civil drawings are to be replaced and are included in PDF file 593-2024B_Addendum_9_Drawing_Civil _IFC-R2:

Replace: 593-2024B_Addendum_3_Drawing_00-C-001_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-001_IFC-R2

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593-2024B_Addendum_3_Drawing_00-C-002_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-002_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-003_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-003_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-004_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-004_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-007_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-007_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-008_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-008_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-009_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-009_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-010_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-010_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-011_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-011_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-012_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-012_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-014_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-014_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-015_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-015_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-016_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-016_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-017_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-017_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-018_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-018_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-019_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-019_IFC-R2

593-2024B_Addendum_3_Drawing_00-C-020_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-C-020_IFC-R2

593-2024B_Civil_IFC_Drawing_00-CU-101_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-CU-101_IFC-R2

593-2024B_Civil_IFC_Drawing_00-CU-301_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-CU-301_IFC-R2

593-2024B_Civil_IFC_Drawing_00-CU-401_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-CU-401_IFC-R2

593-2024B_Civil_IFC_Drawing_00-CU-601_IFC-R1 with 593-2024B_Addendum_9_Drawing_00-CU-601_IFC-R2

Add: 593-2024B Addendum_9_Architectural_Sketch_New Room 40-104B_R0

NMS SPECIFICATIONS

Replace: 593-2024B_Addendum_7_NMS_01_23_00.01_Alternatives-R1 with 593-2024B_Addendum_9_NMS_01_23_00.01_Alternatives-R2.

Section 01 50 00 Temporary Facilities and Controls

Add: 1.4.2.7.5 Water Management Plan - Contractor's Professional Engineer to submit a water management plan detailing how groundwater and surface water will be managed on site while meeting requirements of Section 02 61 00.01 Soil Remediation and Section 01 35 43 Environmental Procedures.

Section 02 61 00.01 Soil Remediation

Add:	1.2.6	The City of Winnipeg Sewer By-Law No. 106/2018
Add:	1.2.7	Manitoba Water Quality Standards, Objectives and Guidelines Regulation, M.R. 196/2011
Add:	1.2.8	U.S. Environmental Protection Agency Construction General Permit (2012)
Add:	1.10.1	Assist Contract Administrator in collection of confirmatory soil samples from petroleum hydrocarbon excavations (AEC 3 and AEC 4) for field screening at 1.0 m depth intervals or at obvious stratigraphic boundaries along the excavation margins on a 5 m by 5 m grid, or as directed by the Contract Administrator. Confirmatory soil samples will be selected for laboratory analysis by the Contract Administrator. For AEC 3 and 4 the excavations of petroleum hydrocarbon impacted soil in the east portion of the site, assume 3 soil sampling events each, with a 3 day turnaround for receipt of laboratory results for each event. For AEC 1 and 2 (the west and central portions of the site), Contractor assistance may occasionally be required during construction for retrieval of confirmatory soil samples. Assume 4 sampling events of 4 hour duration each, with a 3 day turnaround time for receipt of laboratory results for each event.
Revise:	2.1.1 to read:	Backfill in accordance with CW 2030 and reference Section 6.2.3.3 of the Remedial Plan (Appendix $+C$) for placement of metals impacted soil as backfill in the petroleum hydrocarbon remediations, within the onsite berm or offsite to an approved facility that accepts contaminated soil.
Revise:	2.1.2 to read:	Place metals impacted soil as identified by the Contract Administrator in the containment berm as referenced in Section 6.2.5 of the Remedial Plan (Appendix 1C).
Revise:	3.2.2 to read:	Contractor to collect required water samples for laboratory analysis and obtain necessary approvals from the City of Winnipeg for sanitary or storm discharges. If the groundwater is not approved for discharge under a Temporary Discharge Permit, it could be accepted as hauled wastewater at a City disposal facility.
Revise:	3.2.3 to read:	Treat groundwater, storm water and precipitation which contains contaminants in excess of acceptable wastewater disposal guidelines. See 1.2 References of this Section.

Section 03 35 00 Concrete Finishing

Revise: 1.4.3 Levelness and Flatness Table: to read:

			Overall F-I	number
Classification	Typical Applications	Recommended Procedures	F _F	FL

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B – Moderately Flat Carpete office bu office/ in		Carpeted areas office buildings office/ industrial	of commercial or lightly-traffic buildings	Advanced hand or mechanical screeding, pan floating, broom and steel trowel finished	25	20
Delete:	3.5.9					
Add:	Section 05 0	5 18 Shop Appli	ed Coating for Str	uctural Steel		
Section	08 33 53 High	Speed Rapid Ro	olling Doors			
Add:	2.1.2	Other	acceptable manuf	acturers:		
		.1	Albany RR3000	, Albany RR3000 Slim		
		.2	Garaga G-5000			
Section	08 36 16 Sect	onal Overhead [Doors			
Add:	2.1.2.4	Clopay	/ Commercial Moc	del 3718, energy series with intellicor	e	
Section	08 80 00 Glaz	ing				
Add:	2.1.2.1.4	Firelite	Plus by TGP			
Section	09 06 00 Finis	hes Schedule:				
Add:	1.3.1	Other	Acceptable Paint	Manufacturers for PT-1 to PT-4		
		.1	Sherwin Willaim 1900 Series.	s: ProMar 200 HP Zero V.O.C Inte	rior Acrylic	Eg-Shel, B20-
Section	09 30 00 Tiling	j :				
Revise:	2.3.1.3.1	Standa	ard Grout: for was	shroom (except shower areas) and	l other dry l	locations:
Revise:	2.3.1.3.2	Ероху	Grout: for washr	oom shower areas Public Washroor	ns	
Delete:	Section 09 67	25 Epoxy Floorir	ng			
Section	09 96 56 Epox	y Wall Coatings				
Add:	2.2.1.1.1.4	Sherw B73V0	in Williams: Pro In 0300 (Part B).	ndustrial Water Based Catalyzed Epo	xy, B73-30	0 Series (Part A
Section	10 56 29 Palle	t Storage Racks				

Delete: 2.1.3.

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Delete: 2.1.6.

Section 11 24 19 Vacuum Cleaning System

Revise:	1.2.1 to read:	Provide equipment and services necessary to complete the Work for the Bus Interior Vacuum System s including but not limited to the following:					
		.1	Two ((duty/ and a	Two One-complete bus central vacuum systems each with dual power units (duty/standby) including all equipment, vacuum pumps, piping, air valves and all miscellaneous items required for a complete system.			
			.1	Servi	ce lanes: daily rapid interior cleaning.		
				.1	Predominantly dry rubbish system with 4 motorized hose reels with capability of running 4 reels simultaneously; including all equipment, vacuum pumps, piping, air valves, and all miscellaneous items required for a complete system.		
			.2	Clear press	Cleaning Lane: periodic detailed heavy cleaning including interior pressure washing.		
				.1	Predominantly wet / dry system with 5 motorized hose reels with capability of running 5 reels simultaneously.		
Add:	1.3	WARF	RANTY				
		.1	The Conc other	warranty ditions fo rwise sta	v shall be in accordance with the City of Winnipeg General or Construction Contracts as posted on the City website, unless ated in this document.		
Add:	2.1.2.2	Durov	ovac				
Add:	2.1.2.3	NS Co	Corporation				
Revise:	2.2.1 to read:	Each cleani reels (The sys ng of tra can simt	The system shall be a central vacuum system designed for coarse and fine g of transit vehicles as described in the Summary in Part 1. A maximum of 4 an simultaneously run at one time.			
Revise:	2.2.4 to read:	Filter : syste accore	separato m only) dance w	eparators shall be complete with venting, flame quencher (Service Lanes n only), backflow preventer on filter separator inlet and other features in lance with NFPA-68 and NFPA-69.			
Revise:	2.2.6 to read:	The sy (tilt du contro progra	ystem sł impster i blled hos ammable	stem shall be complete with vacuum pumps, pre-separators with refuse containers npster type for Service Lane system) , pulse-jet filter separators, 4-remote led hose reels, and automatic vacuum shut off air valves, piping and mmable logic controller type electrical system.			
Revise:	2.2.11.2 to read:	Pre-se	eparator	:			
		.1	Servi	ce Lane	S		
			.1	One suppl micro	high efficiency 450 diameter cyclone pre-separator shall be ied suitable for separation of dry or wet refuse to a 90% at 10 ns .		
			.2	Comp	blete with:		
				.1	Floor based mounting frame.		
				.2	Four point pneumatically operated bin lid with controls,		
				.3	Ultrasonic bin level detectors		
				.4	Sprinkler ports.		

- .5 Rear guide tracks to locate and retain separator under the preseparator unit.
- .3 Pre-separator shall have a clean-out door located at the bottom of the cone section for easy inspection and maintenance.
- .4 Two front load dumpsters shall be furnished:
 - .1 1.4 cubic meter tilt dumpster
 - .2 Capable of being dumped by a fork lift into a refuge container.
 - .3 A viewing window shall be provided with a minimum of 2540 square mm viewing area, not less than 6 mm in thickness.
 - .4 Casters shall be steel type with two fixed and two swivels with locking brakes.
 - .5 Each dumpster shall withstand a vacuum of 3 m of water gauge negative pressure.
- .5 Basis of Design Model:
 - .1 Eurovac Model PRS-30 854 D20
 - .2 Approved equal through a substitution approval request.
- .2 Cleaning Lane
 - .1 One high efficiency 600 diameter Stainless Steel cyclone pre-separator shall be supplied suitable for separation of predominantly wet refuse and limited dry refuse.
 - .2 Complete with:
 - .1 Floor based mounting frame.
 - .2 Internal removable basket strainer for removal of collected dry rubbish.
 - .3 Bottom manual drain valve.
 - .3 Pre-separator shall have a clean-out door located at the bottom of the cone section for easy inspection, for basket strainer removal, and for maintenance.
- .3 Basis of Design Model:
 - .1 Eurovac
 - .2 Approved equal through a substitution approval request.
- Revise: 2.2.11.3 to read: Filter separators:
 - .1 The filter unit shall be a two-stage separator with a cyclonic primary separation trough the inlet and secondary separation through a series of pleated cartridge filters.
 - .1 The service life of the pleated polyester cartridge filters shall be a minimum of nine months.
 - .2 Sock type filters are not acceptable.
 - .2 The filters shall be cleaned both online and offline by a compressed air reverse flow pulse-jet system, automatically controlled, with manual override.
 - .3 Bottom dust collecting bin
 - .1 Minimum 100 litre capacity
 - .2 Complete with pull out handle, wheeled frame/dolly.
 - .4 Service Lane system:

		.1	Nominal diameter: 750 mm	
		.3 .2	Top mounted explosion relief valve with burst indicator (to meet NFPA and Local Codes)	
		. 4.3	Inlet back flow prevention for an ST2 dust (to meet NFPA and local Codes)	
		.5 .4	Sprinkler ports located on both clean and dirty side of collector.	
	.5	Clean	ing Lane system:	
		.1	Nominal diameter: 1050 mm	
	.6	Basis	of Design:	
		.1	Eurovac Model: 850dia B IcBO Model FPRS-42 ERV by Eurovac,	
		.2	Approved equal through a substitution approval request.	
	.7	Final F	Filtration:	
		.1	Final filtration shall be included for each power unit prior and adequate to allow discharge of the air into human occupied spaces.	
		.2	Filtration shall at a minimum:	
			.1 Capture 90% or more of particles of size 3.0 to 10.0 micron, as determined by ASHRAE test methods, or approved equivalent test.	
			.2 Limit dust released to less than 5mg / cubic meter.	
	.8	Works	stations:	
		.1	Each bus lane workstation located at the bus Service Lanes and at the bus Cleaning Lane shall be equipped with one motorized ceiling mounted hose reel wireless remote controlled in-out with 15.24 m minimum 50 mm dia. antistatic hose located as indicated in Service.	
Revise 3.1.3 to read:	Train	ing		
	.1	Equip	ment manufacturer shall provide:	
		.1	Minimum 4 hrs of training for Service Lanes operators and provide training certificates upon training completion.	
		.2	A program of preventive maintenance for the system,	
		.3	A minimum of 4 separate 4 hour training periods for maintenance personnel. Provide certificates upon successful completion of training.	
	.2	Equip Subst equip	ment manufacturer shall allow for 2 days' of site presence after antial Completion, by at least one technician for troubleshooting and ment adjustment as required during the peak service lane shift.	
		.1	Equipment manufacturer shall provide minimum 4 hrs of training for Service Lanes operators and provide training certificates upon training completion.	
		.2	Equipment manufacturer shall allow for 2 days' of site presence after Substantial Completion, by at least one technician for troubleshooting and equipent adjustment as required during the peak service lane shift.	

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> Equipment manufacturer shall provide a program of preventive maintenance for and provide minimum of 2 separate 4 hour training periods for maintenance personnel.

Section 12 59 01 Workstation System and Furniture Schedule

Revise 1.3 Workstation System and Furniture Schedule, Item TB-3 to read:

TB-3	Conference Table	Teknion Workshop Conference Audience Rectangular Table,
	Conference tables for small and medium meeting rooms	Stretch Base
	should be sized according to the size of the space. They	To match standards
	should be constructed of laminate with high pressure	 Break room table w/ 4 prong base
	tops and low-pressure laminate or powder coated metal	 With 4 stretch legs in chrome finish
	bases. The top will feature an inset power module with	 H29" W12096" D5448"
	outlets for power, usb, and telecom	 Tabletop power/data/telecom modules
		 Plastic Laminate finish, painted metal frame

Section 22 11 16 Domestic Water Piping

Add:	2.1.5.1.3	Apollo Press
Add:	2.1.10.8.5	Heatlink

Section 22 34 36 Domestic Hot Water Heaters and Storage Tanks

Revise: 2.1.2 to read:

Acceptable manufacturers:

- .1 Hot water heaters: Lochinvar, AO Smith, Rheem, Viessmann, Aerco, Buderus, **RBI**
- .2 Hot water storage tanks: Lochinvar, AO Smith, Rheem, Clemmer, PVI, RBI

Add:	2.6.3.6	Bell & Gossett
Add:	2.10.2.1.6	Тасо
Add:	2.11.3.4	Тасо
Add:	2.11.3.5	Caleffi
Revise:	2.13.6.4 to read:	Equivalent manufacturers: Senior Flextronics Inc., Flex-Hose
Add:	2.14.1.4	Flex-Hose
Revise:	2.15.1.4 to read:	Equivalent manufacturers: Senior Flextronics Inc., E. Myatt & Co, Anvil Inc., Empire Tool & Mfg. Inc., Flex-Hose

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Add:	2.16.2	Acceptab	cceptable Manufacturers are:	
		.1 F	lex-Hose	
		.2 E	quivalent manufacturers	
Add:	2.17.1.4	Flex-Hose	9	

Section 23 21 23 Hydronic Pumps

Add:	2.5.1.4	Flex-Hose
Add:	2.5.1.4	Flex-Hose

Section 23 33 00 Air Duct Accessories

Add:	2.8.2.5	Ruskin Company
Add:	2.13.5.6	VAW Systems
Add:	2.18.6.5	VAW Systems

Section 23 34 00 HVAC Fans

Add:	2.1.2.6	Solar & Palau
Add:	2.2.2.6	Solar & Palau
Add:	2.3.2.7	Solar & Palau
Add:	2.4.2.5	Solar & Palau
Add:	2.5.2.6	Solar & Palau
Add:	2.7.3.7	Solar & Palau
Add:	2.9.8.6	Valent

Section 23 37 13 Diffusers, Registers, and Grilles

Add: 2.1.10.8 AirVector

Section 23 72 00 Hydronic Air Handling Units

Add: 2.2.8.15 Nortek Air Solutions-Ventrol

Section 23 82 00 Forced Air Curtains

Revise:	2.1.2.1 to read:	.4	Powered Aire
		. 4 .5	Approved equal

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Section	Section 23 82 19 Fan Coil Units					
Add:	2.1.14	Titus				
Sectior	23 82 39 Cabinet an	d Unit Hea	aters			
Add:	2.1.7.7	Beaco	on Morris			
Sectior	23 83 16 Snow Melt	in Floor H	eating System			
Add:	2.1.5	Heatli	nk			
Section	Section 25 00 00 Building Automation System (BAS)					
Revise	1.17 to read	The fo	llowing Building Automation Systems are approved installations:			
		.1	Johnson Controls.			
		.2	HTS Alerton.			
		.3	Automated Logic.			
		.4	Reliable Controls.			
		.5	Siemens.			
		.6	Honeywell.			
		.7	Delta			

.7.8 Note: refer to clause 1.4 -B.

Section 25 95 00 Sequence of Operation

Revise:	1.13.16 to read:	Unit service Corridor (EF-33)			
Add:	1.13.16.5	Purge n	rge mode – gas detection:		
		.1	Gas de	tection sensors are installed throughout the space	
		.2	 The gas detection system shall be used for activating the ventilation system alarms as follows .1 If the ventilation system is in "off "mode, energize exhaust fans a intake and exhaust damper, and 		
		.2 Trigger evacuation alarms upon gas alarm limits		Trigger evacuation alarms upon gas concentrations rising to the System alarm limits	
		.3	.3	The ventilation system shall run in purge mode until the gas concentration is lowered below the lower limit and continue to operate for 30 minutes (adjustable).	
		.3	During tempera	ourge mode inhibit room temperature control sequence. Room ature should not drop below 35F, energize unit heaters	

		.4	.4 Activate audio and visual alarms in the area. The audible alarm shall I recognizable and may be stopped by the authorized personnel, where visual device shall stay in operation as long as the detection system is Activate/ interface CO gas detection with fire alarm	
		.5	Low Li	mits:
			.1	CO = 15 ppm
		.6	High L	imits:
			.1	CO => 25 ppm
		.7	Systen	n Alarm Limits:
			.1	CO => 100 ppm
Revise:	1.18.4.3 to read:	During purge mode inhibit room temperature control sequence. Room temperature should not drop below 38F35F, energize unit heaters.		
Revise:	1.18.4.4 to read:	Activate audio and visual alarms in the area. The audible alarm shall be recognizable and may be stopped by the authorized personnel, whereas the visual device shall stay in operation as long as the detection system is in alarm. Activate/ interface CO gas detection with fire alarm.		
Revise:	1.18.6.4.2 to read:	Level 2	2 alarm:	Low limit and Activate/ Interface CO with fire alarm.
Add:	1.18.8.7	In case of local Activation/ Interface of CO with fire alarm, do not deenergize the fan (purge ventilation to continue).		
Add:	1.21.8.1	For EF-03 additional CO gas detection interface and sequence applies, refer to MECHANICAL ROOM VENTILATION SYSTEM sequence of operation for details and requirements.		

Section 26 05 36 Cable Trays

- Add: 2.2.10.5 Code Electric
- Replace: Section 26 12 00 Pad Mounted Transformers (Building and Charger Transformers) with 593-2024B_Addendum_9_NMS_26_12_00-Pad-Mounted_Transformers_(Building_and_Charger_Transformers)-R1
- Replace: Section 26 12 11 High Voltage Disconnect Switch and Fuse with 593-2024B_Addendum_9_NMS_26_12_11-High_Voltage_Disconnect_Switch_and_Fuse-R1
- Replace: Section 26 12 13 Liquid Filled High Voltage Padmount Transformer with 593-2024B_Addendum_9_NMS_26_12_13-Liquid_Filled_High_Voltage_Padmount_Transformer-R1
- Replace: Section 26 12 13 Transformer Datasheet with 593-2024B_Addendum_9_NMS_26_12_13-Transformer_Datasheet-R1
- Replace: Section 26 13 18 12.47kV Switchgear with 593-2024B_Addendum_9_ NMS_26_13_18-12.47kV_Switchgear-R1
- Replace: Section 26 23 00 Low Voltage Switchboards with 539-2024B_Addendum_9_ NMS_26_23_00-Low_Voltage_Switchboards-R1
- Section 26 32 05 Genset Enclosures
- Revise: 2.1.8.1 to read: Maximum permissible sound emissions criteria for enclosure at engine full load rating to be net **7275** dBA at 7m (23') including provisions for reverberations from neighbouring walls.

Section 27 10 05 - Structured Cabling for Communications

Revise:	2.2.4 to read:	Shielding/Screening: Unshielded balanced twisted pairs (UTP) for indoor Cat. 6A cabling, unless otherwise noted and shielded (F/UTP) for outdoor Cat. 6A cabling/devices. Note that shielded jacks and shielded patch panels shall be utilized for terminating any shielded cabling.		
Revise:	2.3.1 to read:	All UTP telecommunications jacks shall be Category 6A T568A, 8P8C, single telecommunications jack with flush exit. Shielded jacks shall be utilized to terminate all shielded cabling.		

Add: 2.5.7 Where shielded cabling is terminated with shielded jacks, shielded patch panels shall be utilized. For outdoor cabinets, din-rail panels are acceptable, Panduit CDPP8RG-S or approved equivalent.

Delete Section 28 05 00 – Common Work Results for Electronic Safety and Security

- Delete Section 28 08 00 Commissioning of Electronic Safety and Security
- Delete Section 28 13 00 Access Control
- Delete Section 28 16 00 Intrusion Detection
- Delete Section 28 23 00 Video Surveillance

Section 28 46 00 - Multiplex Fire Alarm Systems

Add: 2.23

Carbon Monoxide Detectors

- .1 Series 260-CO, ULC listed, commercial grade carbon monoxide (CO) detector that can be connected to control panel and includes following features:
 - .1 microprocessor controlled sensor, UL 2075 compliant and CO sensitivity to UL 2034 requirements;
 - .2 one-touch TEST/HUSH button;
 - .3 tandem connection capability (one alarms, multiple sound);
 - .4 self-diagnostics;
 - .5 built in alarm relay and trouble/power supervision relay;
 - .6 Voltage: 12 or 24Vdc, powered by system panel;
 - .7 Temporal 4 sounder: 85 dB;
 - .8 Operating temperature: 4.4 to 37.8°C (40 to 100°F);
 - .9 Relative humidity: 10 to 90%, non-condensing;
 - .10 10 year service life with end of life warning at detector and at connected panel;
 - .11 tandem interconnect module when connecting multiple units in series.

Section: 32 17 23 Painted Traffic Lines and Markings

Revise: 1.1 to read: General

- .1 CAN/CGSB 1.74, Alkyd Traffic Paint and Organic Solvent Based Traffic Paint.
- .2 ASTM E303 Standard Test Method for Measuring Surface Frictional Properties.

		.3	FED-STD 595B, Standard Paint Colours.
		.4	Environment Canada (ED)
			.1 Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations, SOR/2009-264
		.5	Green Seal (GS)
			.1 GS-11-2013, Standard for Paints and Coatings.
		.6	Health Canada/Workplace Hazardous Materials Information System (WHMIS)
			Safety Data Sheets (SDS).
Delete:	2.1.1.3		
Delete:	2.1.1.4		
Add:	2.1.2	Colour	s for Pavement Markings
		.1	White: standard parking stalls, access aisles, and general edge or lane markings.
		.2	Yellow: pedestrian crossing, centrelines, and no-parking zones including bus loading areas.
		.3	Accessible Parking: blue background with white border and international symbol in accordance with MPI listed colours and PMS 293C.
		.4	Provide all marking colours with a Solar Reflectance Index (SRI) value higher than 40, unless otherwise specified.
Add:	2.1.3	Slip-Re	esistant Markings
		.1	Provide a slip-resistant traffic paint system for pedestrian traffic areas, including crosswalks, accessible parking symbols, and other areas where significant pedestrian activity is expected.
		.2	Use performed thermoplastic or equivalent high-durability product, such as PreMark by Hub Surface Systems, installed by a certified contractor in accordance with manufacturer's instructions.
		.3	Slip resistance shall meet a minimum of 60 BPN (British Pendulum Number) when tested in accordance with STM E303 or approved local equivalent.
		.4	Slip-resistant system may consist of premised aggregate or broadcast additive as per manufacturer's recommendations.
Revise:	3.3.6 to read:	Applic	ation of Slip-Resistant Paint:
		.1	Areas Requiring Slip Resistance: Apply slip-resistant paint system to pedestrian crosswalks, accessible parking symbols, and other areas indicated on drawings or as directed by the Contract Administrator where pedestrian traffic is expected.
		.2	Method: Follow the paint manufacturer's instructions for incorporating slip- resistant aggregate into the paint, ensuring uniform coverage and consistent texture.
		.3	Performance: Applied surface shall achieve a minimum of 55 BPN (wet), tested in accordance with ASTM E303 or approved local equivalent. Provide adequate shielding or masking during spray application of traffic paint.
Revise:	3.3.7 to read:	Colou	Application for Line Markings:
		.1	Apply white traffic paint for parking stalls, access aisles, and general lane or edge markings unless otherwise noted.

		.2 Apply yellow traffic paint for pedestrian crossings, centrelines, and no- parking zones included designated bus areas. Paint lines of uniform colour and density with sharp edges. Lines shall be of uniform colour and density. Paint markings to be within plus or minus 12 mm of dimensions indicated.
Revise:	3.3.8 to read:	Provide adequate shielding or masking during spray application of traffic paint. Thoroughly clean distributor tank before refilling with paint of a different colour.
Add:	3.3.9	Paint lines of uniform colour and density with sharp edges. Lines shall be of uniform colour and density. Paint markings to be within plus or minus 12 mm of dimensions indicated.
Add:	3.3.10	Thoroughly clean distributor tank before refilling with paint of a different colour.

Section: 32 31 19 Metal Fencing and Gates

Add:	2.1.1.2	'Rampart 280 – Double Wire' fence by Wallace Perimeter Security.			
Revise:	2.2.1 to read:	Panel I	Panel Dimensions: Panel Height:		
		1.	Panel	Height: 2.4m nominal	
		2.	Panel	Width: 2.5m nominal	
		.2	2.4m h	igh nominal panels	
Revise:	2.2.2 to read:	Panel (Constru	ction: Model "Secur" Fence and Accessories:	
		.1	Welde 200 mi betwee	d-wire mesh panels with rectangular openings (approximately 50 x n). 2.5m wide, welded by one vertical wire of 4 gauge (5.7mm) placed on two horizontal wires of 7.7mm to form rectangles.	
		.2	Vertica anneal 74,000	al wires: Galvanized steel, minimum 6 gauge (~4.8 mm). Cold rolled ed wire made of AISA Grade 1018 steel with tensile strength of at least psi (515 Mpa) in accordance with ASTM A853.	
		.3	Horizo	ntal wires:	
			.1	Twin-wire design: Two parallel wires, each minimum 6 gauge (~4.8 mm).	
			.2	Single-wire design: One wire, minimum 4 gauge (~5.7mm).	
		.3	One er the firs positio	nd of the vertical wires of the panel shall extend 25.4mm from the last or t horizontal wire to create a spikes top or bottom depending on installed n. The other end is cut flush.	
		.4	Wire m streng	naterial: Cold-drawn carbon steel (e.g. AISI 1018), minimum tensile th: 510 MPa (74,000 psi). Panel camber may not exceed 2.5mm .	
		.5	Fabric	ation:	
			.1	Welded at all intersections using electrical resistance	
			.2	One end of each vertical wire to project minimum 25 mm to form spiked edge.	
			.3	Panels to be manufactured flat with bow/camber ≤3 mm.	
		.6	Zinc-c	oating: in accordance with ASTM A641 prior to finish application.	
Revise:	2.2.3 to read:	Square	Posts		
		.1	Structor Cold re followin	ural steel tubing conforming to ASTM A500 (Grade C) or ASTM A787. Ned 1008 grade steel to meet ASTM A500 and ASTM A787 and the ng maximum horizontal loads, length as required for installation type:	

- .1 The length of the posts is minimum 914mm more than the actual height of the fence for installation in the ground to comply with local provincial and municipal construction regulations related to frost depth.
- .2 Sized to resist design wind loads.
- .3 Embedded posts: Extend minimum 900 mm into concrete footing or as required to meet frost depth.
- .4 Supplied with securely fastened weather-resistance caps (metal or HD plastic).

Section: 32 91 19 Topsoil Placement and Grading

- Revise: 2.1.2 to read: Soil texture based on The Canadian System of Soil Classification, to consist of 20 to 7060% sand, minimum 7% clay and contain 2 to 1025% organic matter by weight.
- Revise: 3.3.3.2 to read: **800 mm deep triple-mix for shrub/perennial bed and tree pits. This requirement** supersedes the other standard shrub and/or tree planting details shown in this Contract. 450 mm deep of triple mix in a continuous layer or shrub/perennial/ornamental grass beds. This requirement supersedes other standard shrub planting details that may be shown in this Contract.

Delete: 3.3.3.3

Section: 32 93 10 Landscape Maintenance

Revise: 3.5.1 to read: Water all plant material every 3 weeks for the period between mid-May and mid-August, five (5) times per season for the first two growing seasons for a total of ten (10) waterings per the growing season.

Section: 32 93 53 Planting of Trees, Shrubs and Ground Cover

- Revise: 2.12.1 to read: Shredded pine bark mulch by Gro-Bark-derived from pine, shredded, free from twigs, leaves branches, noxious weed seed and foreign material harmful to plant growth and other extraneous material. Mulch with artificial dyes will be rejected.
- Revise: 3.8.2 to read: Mulch will be applied in a uniform continuous blanket to the surface area surrounding each individual tree and shrub. Depth of mulch will be **100**75 mm (after settlement). Excess mulch will be turned over to Parks Canada for future adjustments.

QUESTIONS AND ANSWERS

- Q1: Re: 02 61 00 Soil Remediation: Addendum 3 removed the original testing frequency criteria for testing of the contaminated soils. The remediation scope of work is on the critical path for this project. Not knowing the testing frequency and the turnover time for the test results, the Contractor would assume unreasonable risk for meeting the schedule requirements including the Liquidated Damages costs. Confirmation of the frequency of tests and the turnover timelines are kindly requested to be confirmed by the City.
 - A1: Frequency and turnover time information has been added to 02 61 00 Soil Remediation 1.10.1. 1.10.1 is re-inserted (it was deleted in Addendum 3).
- Q2: Re: Appendix B Geotechnical Report Dewatering of the perched contaminated water table and rain water: The volume of contaminated water that will be removed from site is not quantifiable. Contractors will need to

carry substantial costs to cover this risk, with an added cost to the project. We recommend that a cash allowance be added to cover this dewatering cost

- A2: Section 02 61 00 Soil Remediation, 3.1.2 Water Management addresses the handling of groundwater and rain water during construction. A cash allowance will not be added to cover dewatering costs.
- Q3: On open web steel joists section, note 6, from S-000A live load deflection of L/360 or 25 mm required. Please confirm the L/360 deflection only is acceptable? (25 mm deflection can't be achieved for some joists and girders).
 - A3: Maximum live load deflection shall be Span/360, but shall not exceed the following limits: 25mm for joist/joist girder of up to 10m span, or 40mm for joist/joist girder of 10m ~ 20m span, or 50mm for joist/joist girder of 20m span or longer. Information was added to the drawing 00-S-001 in the Addendum 7.
- Q4: Please confirm that no crank joists are required between grids 3.2-4.
 - A4: Please refer to architectural drawings 10-A-420 and 20-A-420 for the u/s deck elevations in this area. Joist shapes / cranks are to match underside of deck elevation.
- Q5: Please specify if special deflection is required for joists at the expansion joint. If yes, please provide the value.
 - A5: Joists on each side of an expansion joint shall be of compatible shape and member size, so that they would deflect the same under live (snow) loads. Otherwise, please see Question 3 above for deflection limits. Refer to the drawings and specifications.
- Q6: Due to end moment connection values provided on S-420 for joists girders, a knife plate connection may be required. Please confirm that knife plate connection will be acceptable.
 - A6: Type and detail of the connection at building columns are to be coordinated with the structural steel subcontractor. Please refer to detail 7/S003 for an indicative joist girder connection. The joist girder designer and structural steel connection designer may select to use an alternative connection (including but not limited to knife connection). Alternative connections are generally acceptable, as long as such connection meets the loading requirements of the joist girder and facilitates structural steel fabrication and erection.
- Q7: Uplift values provided on S-010 are based on a tributary area of 5.0 m2. Joist element area is over 5.0 m2, please approve that uplift values provided in schedule are ok to be used for joists design.
 - A7: If the joist tributary area is larger than 5.0m², using the values provided in the schedule should be slightly conservative and is therefore acceptable.
- Q8: Please approve that all suspended mechanical/electrical items are included in point load specified on note 22 from S-251.
 - A8: Please note the concentrated live load specified on note 22/S251 is in addition to the uniform 0.8 kPa MECH. ALLOWANCE. Refer to the drawings and specifications.
- Q9: Please confirm if storm pipes loads are already included in dead load (storm pipes shown on P-105).
 - A9: The weights of the storm pipes have been included.
- Q10: Please confirm that no AESS requirements apply to steel joists/girders. If yes please specify the areas where is required.
 - A10: AESS is not required, use section 05 05 18 Shop Applied Coatings for Structural Steel specification requirement when coating is required to be used.
- Q11: On roof anchor detail from S-002 are specified two types of roof anchors, end anchor and intermediate anchor. Please specify which anchors are end anchors and which are intermediate anchor.

- A11: The roof anchors are generally arranged in lines. The first and last anchor along every straight line of roof anchors are the "end anchors"; the remainder are "intermediate anchors".
- Q12: If two or more roof anchors are on the same joist, please confirm that only one act in a time and not all of them will act simultaneously.
 - A12: Where more than one roof anchors are supported by one joist, only loads from one roof anchor need to be considered at any given time. Whichever roof anchor produces the most critical effect shall be used for the joist design.
- Q13: Please confirm that pre-painted deck is not required. If yes please specify the areas.
 - A13: If the deck is required to have fireproofing, then no paint or primer is required to pre-apply. Other steel members requiring prepaint, refer to Section 05 05 18 Shop Applied Structural Steel Coating. Section is included in Addendum #9.
- Q14: Section 08 11 13, 2.4.5.2 specifies TRR between stiffeners. You cannot have a TRR core and a steel-stiffened core. Also, there is no other reference to temperature rise rated cores in the Section or the door schedule. Please confirm that TRR are not required for ALL fire-rated doors.
 - A14: By code, the building is less than 3 storeys and do not need to have TRR fire rated doors, but will need it in the "firewalls" in the storage garage.
- Q15: Are 100k cycle spring life required for every door? Maybe certain doors do not need that cycle life? Some of these doors would require tandem shaft and more springs, and engineering input. Costs start rising, and service becomes extensive with more springs.
 - A15: Doors are 100k cycle spring lift required for every door.
- Q16: Full view glass maxes out at 24' wide. Are full view sections required for every door?

A16: Yes.

- Q17: I am unsure as to what is expected for section 6. Are you able to provide us with any guidance to further understand?
 - A17: Section 10 56 29 has been revised in this Addendum to remove the Article .6.
- Q18: Re: Section 08 31 00 Access Doors and Panels:

Provide location and sizes of 2.2 Wall access doors Provide location and sizes of 2.3 Floor Doors Provide location and sizes of 2.4 Removable floor covers Provide location and sizes of 2.5 Fire rated floor doors Provide location and sizes of 2.6 Flood tight floor doors

- A18: Sizes should be appropriate to access electrical and mechanical devices and fittings, sizes and locations to be coordinated on site by the GC.
- Q19: Drawings updated with Addendum #5 show spray foam insulation at various locations. Please provide a specification for the scope of work.
 - A19: Spray foam insulation for infilling gaps and joints is specified in Section 07 21 00.
- Q20: Re: Section 03 35 00 R1 Concrete Finishing 1.4.3 shows Levelness and Flatness Table. Class C is specified as Flat and no broom finish is required. The drawings at various locations show Class C Finish as Broom Finish. Broom finish contradicts with the flatness level specified in the specs. Please clarify.
 - A20: Broom finish will be included for Class B. This change has been reflected in Section 03 35 00 in this Addendum.

- Q21: Per section 10 14 53, signage requirement indicated to provide only for the "accessible parking symbol". Please provide drawings showing a detail on traffic/site signage.
 - A21: It is in the landscape drawings. Please refer to Landscape drawing 00-L-501.
- Q22: Re: Spec Section 10 56 29: 2.1 Material indicates to supply and install pallet storage rack system with 4 tiers, please provide location and specify quantity for this item as they are not currently shown on the drawings.
 - A22: The rack system was tagged in the drawings at 30-A-401 in Addendum 7. Quantities were not provided and will not be provided. The specification describes the minimum performance required. The rack system must be designed and approved by a licensed engineer. This Addendum revises Section 10 56 29 with 3 tier rack.
- Q23: Section 08 11 13, 2.4.2 describes two edge types in the sentence "continuously welded" and "welds ground smooth, filled, and sanded flush" which is tackweld and fill. There is approx. a \$500.00 difference per door so we would like to clarify.
 - A23: Sentence "continuously welded" was deleted from the specification section. Refer to addendum #7.
- Q24: Spec Section 03 35 00 Concrete Finishing 3.5 Concrete Vehicle Ramps/Pads calls out 'Herringbone" pattern traction grooves. These grooves are not indicated on the drawings, please confirm where they are required.
 - A24: Ramps are no longer included. Herringbone pattern traction grooves are not required. No herringbone pattern in the specification. Section 03 35 00 has been revised in this Addendum.
- Q25: The following details in the Legend-Enlarged Elevations are on the architectural:

i) Exterior Vertical Cladding shown: AD 300R - MC-1 (Cambridge White)

ii) Exterior Horizontal Cladding shown: AD 300 - MC-2 (White) & AD 200 - MC-3 (White)

However, the elevation does not include any legends (AD 300 and AD 200) as indicated in the note details, same applies to other elevations.

- A25: i) AD300R is for service lanes, storage, maintenance garage exterior walls.
 - ii) Office metal panels revised to AD275.Refer to Addendum 9 architectural drawings package.
- Q26: Polished concrete: it is specified but no spec?
 - A26: see spec Section 03 35 00, Article 3.5.2.
- Q27: Room Finish Schedule: Lists "EPXY" but it isn't clear which of the 2 systems in the specs they are referring to? There is "epoxy Flooring" in section 09 67 25. As well as 09 67 29 "epoxy flooring (trowel)"? We don't see the schedule differentiate between the two systems in the spec is what we are referring to.
 - A27: All floors are required to have epoxy trowel on system as specified in section 09 67 29. Section 09 67 25 has been removed from the package in this Addendum.
- Q28: Section 09 67 29 "epoxy flooring (trowel): Spec calls out 'slip resistant finish" but it isn't clear if they want a partial broadcast into the topcoat and backrolled?
 - A28: Apply slip resistant finish aggregate to system's manufacturer's recommended method and rate.
- Q29: Section 09 67 29 "epoxy flooring (trowel): no topcoat for system specified? For the sika morritex trowel it would typically be Sika 261 as a base system for example.
 - A29: Provide topcoat to system's manufacturer's recommendation.

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- Q30: Section 09 67 25: Lists stonhard GS4 and sika fast floor CR as basis of design but GS4 is equivalent to Sika 261? If the client wants a high chemical resistant topcoat equivalent to Sika CR, the equivalent is Stonhard HT4. Can they clarify?
 - A30: All floors are required to have epoxy trowel on system as specified in Section 09 67 29. Section 09 67 25 has been removed from the package in this Addendum.
- Q31: Section 09 67 25: 3.3.4 states a moisture barrier coating shall be installed? Is this to be sika 1610? If yes, is this intended to be a 3 coat system?
 - A31: Moisture barrier shall be compatible and recommended by the coating manufacturer.
- Q32: Can you clarify alternate price #4. The fence is required for the substation.
 - A32: The delete clause doesn't mention the substation fencing, which will remain as it is required by code. The 2.4mt ht. link fence to be deleted runs along the property line, north-west, west, and south perimeter of the site.
- Q33: Can you clarify if lightning protection on the building is required?
 - A33: Lightning protection is not required for building.
- Q34: Please provide more description for Alternate Prices 5 and 6, these are just a few of our concerns about these alternates, the list could be very long.
 - What area are we deleting?
 - Please provide Foundation Plans to reflect these changes
 - Does gradebeam along Gridline R change from GB6 to GB4?
 - There are now gradebeams in these areas running North to South for us to delete these areas. Please provide details as to what we are to allow for.
 - Does new exterior Wall along Gridline R be the same as what is now on Gridline U1?
 - Does new exterior Wall along Gridline ?? be the same as what is now on Gridline 25?
 - Does Rooftop unit size change with Alternate 5?
 - What replaces where the slab is no longer.
 - Does the exterior concrete paving layout change?
 - How does this effect both Electrical and Mechanical systems?
 - How do these deletions effect the Site Servicing?

A34: Alternate Prices 5 and 6 narrative is provided in this Addendum.

Q35: Re: Section 06 10 00 Rough Carpentry, is FSC lumber required for Rough Carpentry (i.e. wood blocking and backing within walls and parapets)?

A35: FSC lumber is not required.

- Q36: What are the pile types as indicated / shown on the plans (SHEET NO. 00-S-100 TO 00-S-107)? Are they all 356 DIA precast piles as called out on some of the section drawings (i.e. SHEET NO. 00-S-520)?
 - A36: Yes, they are all 356 DIA precast piles. Refer to drawings and specifications.
- Q37: Please advise if all joists will receive epoxy paint as shown on note 3.5.7.1 from section 099000. Or epoxy paint required only for Bypass Lanes and Bus Wash Lanes areas as shown on Room finish schedule from A-601 and standard primer for the rest. Please also specify if sealed welds are required for joists receiving epoxy
 - A37: All joists in the bypass lane and bus wash lanes, repair bay 06 (and adjacent areas) will be galvanized, no epoxy paint required; no requirement for sealed welds.
- Q38: Could you please request the EOR for the combined diaphragm design shear to be used, the engineer must determine the governing combination to be used. Alternatively, if the information is not available, we can use the minimum deck connection as shown below for roofs.

- A38: For design shear, use 1.0D + 1.0E as the governing combination. Factored diaphragm loads shown on Steel Deck Note #5 on drawing S-001A for Wind and Earthquake Loads need not be combined. A factored shear force of 10.0kN/m under earthquake load may be used for deck diaphragm design (since it governs). Factored shear under wind load (which does not govern) is shown for reference purpose only. Refer to drawings and specifications.
- Q39: Section 07 46 19 Sheet Metal Cladding
 - a. Please note that AD200's panel width is 300mm with 100mm reveal (not 200mm wide). 200mm wide panels are not available. Confirm the use of AD300 for all the conditions at the office elevation (40-A-201)
 - Please confirm the material spec for the "Deep Gray" flashing at the office entrance (detail 1/00-A-506). Spec calls for aluminum flats that differs from "material to match metal siding" mentioned in the same section. (07 46 19, Item 2.2.2)
 - c. Please provide more information on the 20ga. galv. steel cleat noted on detail 4/00-A-503. is there a requirement for this cleat? Is it to be provided only at the flashing joints? Does it only happen at the parapet base condition?
 - A39: a. Office metal panels have been changed to AD275 in this Addendum.
 - b. Deep Gray colour is correct, please provide flashing material with the same thickness and using the same paint finish to match the cladding.
 - c. Cleat is required at 75mm expansion joints where shown in details. Flashing to be secured to cleat as there may be movement between wall and the roof joint.
- Q40: In the spec it lists standard grout for dry areas (2.3.1.3.1) and then also states epoxy grout for public washrooms which to me would still be considered a dry area (2.3.1.3.2). Can you confirm if epoxy grout should be used in all areas of this project or only for floors/walls of shower rooms?
 - A40: Section 09 30 00, 2.3.1.3.1 use the material for area within the washroom (except shower) and other areas; 2.3.1.3.2 use epoxy grout in shower area. This has been revised in this Addendum.
- Q41: I have a few questions and comments on applied fireproofing section 078129 and Intumescent fireproofing section 078123
 - a. Does the structural steel supporting the Mech service space require applied fireproofing and or Intumescent coating?
 - b. Do any columns in the building require intumescent coating?
 - c. If there are any columns requiring Intumescent coating, can you please Identify them as there are no details.
 - d. Drawing 00-A-521 asks for Intumescent coating on the exposed lip of the lintels at doors then firestopping over the intumescent coating. You cannot cover Intumescent coating with firestopping as it needs room to expand. This is normally just firestopped no intumescent coating. Will this still be required?
 - A41: a. This is not required for mech service space room (MG) 30-202.
 - b. Not required.
 - c. Not required.
 - d. Intumescent coating to be deleted for interior man door lintels. Refer to Addendum #9 architectural drawings.
- Q42: Relating to Section 07 52 16 SBS Modified Bituminous Membrane Roofing (Addendum 5)
 - a. 1.5 System Performance .6 Thermal Resistance .1 says not to include membranes, roof sheathings tapered insulation or structural materials in the thermal resistance calculation. The addended spec includes a laminated base sheet to a ½" Polylsocyanurate board which would have an R-value of 2.5. Can this be included in the overall calculation?

- b. 2.7 Gypsum Roof Sheathing and Overlay Board indicates 13mm thickness unless otherwise indicated. Drawing 00-A-001 Building Information Sheet shows 16mm roof board over the deck for R1-R4 and 19mm for R5. Please confirm required thicknesses for the different roof types
- c. Please confirm costs of 3rd party inspections and appointed Agency is covered by General Contractor / Owner.
- A42: a. 1/2" polyiso board can be included in the thermal calculation.

b. As per specifications follow drawings if "otherwise noted". Gypsum board thickness on assembly R-5 to be revised ton 16mm. Refer to Addendum 9 architectural drawings.

- c. To be confirmed in forthcoming Addendum #10.
- Q43: Just wanting to confirm that the piling subcontractor is not required to perform any design work for this project? All foundation/piling design is completed? Reason for the question, is the first couple notes in the Precast Concrete Piles section on S-001-A lead us to believe we are to perform design work. But drawing S-520 & S-520 call out a pile type. Can you provide some clarification?
 - A43: Although pile diameter is indicated on structural drawing, such as drawing 00-S-520, all remaining details of the precast concrete piles are to be designed by the pile contractor. Such details include, but are not limited to, reinforcing details, pile lengths (to suit varying soil depths), cut-off elevations, pile driving techniques and sequences, pile testing procedures, etc. Please refer to notes on drawing 00-S001-A and specification Section 31 61 13 and Section 31 62 13 for requirements.
- Q44: Would you be able to confirm whether the self-adhered membrane for the exterior wall assemblies should be permeable or impermeable? I think it would need to be impermeable because no poly or other interior AVB appears to be shown on the drawings. The assemblies listed on the drawings state "permeable", but the products listed in Section 07 27 13 are impermeable.
 - A44: The word permeable will be deleted from the wall assembly drawings. Section 07 27 13 must be followed. Drawings have been revised in this Addendum.
- Q45: Section 07 46 19 mentions "sealant tape designed for use in metal cladding assemblies", caulking junctions of cladding system components to themselves to maintain AVB, and the cladding being "made completely weathertight". But AD series panels are typically installed without sealant at the panel joints to avoid trapping moisture or vapour within the assembly. And making the AD Series panels themselves part of an AVB layer on the outside of the exterior insulation would likely lead to condensation or other issues. Could you please confirm whether or not caulking or sealant tape is required at AD Series panel joints?
 - A45: The AD Series panels are not part of the exterior envelope AVB layer, but a rain screen system. No caulking and sealants are required in between the panels. Nonetheless, any penetration into the AD Series panels, like light fixtures, camera brackets, signage, etc., should be caulked and sealed properly ensuring weather tightness and visual cleanliness. Any penetration or interference by the paneling system on the vapour barrier layer must be caulked and sealed properly ensuring its integrity and continuity.
- Q46: Please confirm if panel DP-MG-03 shall be a NEMA 4 rated enclosure.

A46: DP-MG-03 to have NEMA 4 rated enclosure. Refer to Addendum #9 drawings.

- Q47: Re: Drawing E0050 Electrical Site Plan Electrical Security Piles and Gate Equipment Piles. Provide details including size and reinforcing details for security cameral piles and gate equipment piles.
 - A47: Refer to structural drawings for details. Refer to Addendum 9 Structural drawings 00-S-004.
- Q48: Re: Drawing E0050 Electrical Site Plan 300 concrete base for pedestal mounted block heater receptacles. Provide details including size and reinforcing details for pedestal mounted block heater receptacles.

A48: Refer to structural drawings for details. Refer to Addendum 9 Structural drawings 00-S-004.

Q49: Re: Drawing E-0052 Lighting Site Plan -LB1 Exterior LED Bollard. Provide details including size and reinforcing details for exterior LED bollard piles.

- A49: Refer to structural drawings for details. Refer to Addendum 9 Structural drawings 00-S-004.
- Q50: In Section 26 32 05 genset enclosure section 2.1.1.3 it calls for a non-combustible fire rated construction designed to required local governing authority and code requirement. We assume that you are going to require a 2 hour fire rated enclosure can you confirm please that the 2 hour rating is required which would include walls, roof, floor. I also assume that it would require fire proof dampers.

Section 2.1.2.8.1 the sound emission criteria is 72 dba at 7m. Can you confirm this is the only requirement that will be accepted. Our standard factory enclosure would be 75 dBa @ 7 M (see included cut sheet).

If you truly need the 2 hour fire rating and a 72dBa sound enclosure this would be a customer enclosure estimated value \$1,000,000.00 (equipment only)

If you can use a standard factory enclosure but winterized for our climate and no fire rating you would be an estimate \$150,000.00 -\$200,000.00 (equipment only).

A50: 2 hour fire rated enclosure is not required. Enclosure to meet local governing authority and code requirements in accordance with Section 26 32 05 Genset Enclosures clause 2.1.1.3 and 2.1.2.

75 dBA @7m is acceptable at engine full load rating. Section 26 32 05 Genset Enclosures clause 2.1.8 to be revised in Addendum #10.

Q51: In Addendum 7, Section 28 46 00 – Multiplex Fire Alarm Systems, the following has been specified: multiplexed, single-stage, addressable, zoned, non-coded, indicating, fully integrated, and field-programmable system, complete with emergency voice communications (EVC) and firefighter communications. The entire system is designed as a centralized data communication and processing system. However, the drawings do not indicate any voice speakers or firefighter phones. All specified devices are horn/strobes rather than speakers. Could you clarify what system and devices should be provided?

I have two main questions regarding the system:

- 1. System Operation: Can you confirm whether the system includes voice communication? Speakers/strobes, fire phones etc. In this case are the new set of drawings going to be released? Voice will triple the price of installation and system price.
- 2. NEMA Rating: Most of the drawings indicate "WP" and reference NEMA 4 in the notes. Fire alarm devices can be either weatherproof or waterproof, with waterproof devices falling under NEMA 4, which often comes at a significantly higher cost—sometimes double or triple the price. The addendum specifies the use of NEMA 3 or "as specified."

Could you provide clarification on the drawings, or will a revised set of fire alarm drawings be released to address this discrepancy?

- A51: Speakers, speakers/strobes and fire phones are not included. Refer to electrical legend E-0002 and fire alarm drawings for fire alarm devices to be included. "WP" tags have been revised for fire alarm devices in this Addendum. Refer to drawing notes in fire alarm drawings for NEMA 4 rating requirements.
- Q52: See below RFI's:
 - DWG E0503 references note 2 in 10-105, but no note on the drawing.
 - 27 05 28 Please confirm data conduit fill of only 15%. (40% plus 25% spare capacity)
 - TY-100 Addendum added "LRCR" to the drawings. Please clarify that this is and provide a spec.
 - A52: 1. Reference note has been added via this Addendum.
 - 2. Data conduit fill of 30% and additional 10% for future spare capacity (25% spare capacity of 40% total conduit fill). Section 27 05 28 to be revised in forthcoming Addendum #10.
 - 3. Please refer to 593-2024B_Addendum_7_NMS_28_13_00-ACCESS_CONTROL-R1 section 2.7.2 Long-Range Reader. (A lumpsum cash allowance will be allocated to the Contractor to implement

sections 28 05 00, 28 08 00, 28 13 00, 28 16 00, 28 23 00. Details on the allowance will be provided in Addendum 10.)