



1176-2019 ADDENDUM #3

BUILDING SYSTEMS UPGRADE – 2055 NESS AVENUE

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
TENDER**

ISSUED: December 23, 2019
BY: Kathy Roberts
TELEPHONE NO. 204-470-7380

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE TENDER AND SHALL FORM A PART
OF THE CONTRACT DOCUMENTS**

Template Version: A20190115

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

PART E – SPECIFICATIONS

Revise: E1.5 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
000000	Cover
000101	Contact List
NMS SPECIFICATIONS	
DIVISION 01 –	GENERAL REQUIREMENTS
000110	Table of Contents / Drawing Index
003100	Available Project Information
011100	Summary of Work
012100	Allowances
013119	Project Meetings
013233	Photographic Documentation
013300	Submittal Procedures
013500	Special Procedures
013530	Health and Safety Requirements
014200	References
014500	Quality Control
015100	Temporary Utilities
015200	Construction Facilities
015600	Temporary Barriers and Enclosures
016000	Basic Product Requirements
017400	Cleaning
017700	Closeout Procedures
017800	Closeout Submittals
DIVISION 02 –	EXISTING CONDITIONS
024119	Selective Demolition for Renovations
028100-R1	Hazardous Materials – General Provisions
028210-R1	Asbestos Abatement – Low Risk Precautions
028211-R1	Asbestos Abatement – Moderate Risk Precautions
028212-R1	Asbestos Abatement – Glove Bag
028213	Asbestos Abatement – High Risk Precautions

028310-R1		Lead Abatement – Minimal Precautions
028311-R1		Lead-Silica Abatement – Intermediate Precautions
DIVISION 03	-	CONCRETE
031000		Concrete Formwork Structural
032000		Concrete Reinforcing
033000		Cast in Place Concrete
033500		Concrete Finishing
DIVISION 04	-	MASONRY
040510		Common Masonry
DIVISION 05	-	METALS
051200		Structural Steel
055000		Metal Fabrications
DIVISION 06	-	WOOD, PLASTICS AND COMPOSITES
061000		Rough Carpentry
062000		Finish Carpentry
064000		Architectural Woodwork
066116		Solid Surface Fabrication
DIVISION 07	-	THERMAL AND MOISTURE PROTECTION
072100		Thermal Insulation
072500		Air/Vapour Barrier Membrane
074213		Metal Wall Panels
075350-R1		Modified Bituminous Membrane Roofing
076200		Sheet Metal Flashing and Trim
078110		Sprayed Fireproofing
078400		Firestopping
079200		Joint Sealing
DIVISION 08	-	OPENINGS
081100		Steel Doors and Frames
081116		Aluminium Doors and Frames
081400		Wood Doors
083500		Folding Doors and Grilles
084229		Sliding Automatic Entrance – Interior
084313		Aluminium Framed Entrances and Storefronts
087100		Door Hardware
088000		Glazing
DIVISION 09	-	FINISHES
092216		Non-Structural Metal Framing
092900		Gypsum Board
093013		Ceramic Tiling
095130		Acoustic Panel Ceilings
096500		Resilient Flooring
096700-R1		Fluid-Applied Flooring
097216		Rigid Sheet Vinyl Wall Covering
099000		Painting
DIVISION 10	-	SPECIALITIES
109990		Miscellaneous Specialties

DIVISION 14	-	CONVEYING EQUIPMENT
142000		Material Lift
DIVISION 21	-	GENERAL MECHANICAL / FIRE SUPPRESSION
210500		Common Work for Mechanical
211100		Fire Protection Piping
211300		Sprinklers
211450		Fire Extinguishers
DIVISION 22	-	PLUMBING
221000		Plumbing Piping
224201		Plumbing Specialties
224202		Plumbing Fixtures
224700		Plumbing Equipment
DIVISION 23	-	HEATING, VENTILATING AND AIR CONDITIONING
230513		Motors
230516		Piping Expansion Compensation
230519		Gauges and Meters
230520		Hydronic Specialties
230529		Supports and Anchors
230548		Vibration Isolation
230553		Mechanical Identification
230593		Testing, Adjusting and Balancing
230713		Duct Insulation
230716		Equipment Insulation
230719		Piping Insulation
232100		Hydronic Piping
232123		HVAC Pumps
232500		Chemical Treatment for Piping
233100		Ductwork
233248		Sound Attenuators
233300		Ductwork Accessories
233700		Air Outlets and Inlets
235100		Breechings, Chimneys and Stacks
235216		Boilers – Condensing Water Tube
235700		Heat Exchangers
236400		Water Chillers – Packaged
236516		Cooling Towers – Induced Draft
237200		Air-to-Air Heat Exchangers
237323		Air Handling Units
237324		Dehumidification Units
237413		Air Conditioning Units – Packaged Rooftop
238200		Terminal Heat Transfer Units
DIVISION 25	-	INTEGRATED AUTOMATION
253000		Instruments and Control Elements
255002		Digital Control Equipment
259000		Sequence of Operation
DIVISION 26	-	ELECTRICAL
260310		Minor Electrical Demolition for Remodeling
260500		Common Work Results for Electrical
260519		Building Wire and Cable
260526		Grounding and Bonding

260529		Electrical Supporting Devices
260533		Conduit
260534		Boxes
260553		Electrical Identification
260580		Equipment Wiring
261216		Transformers – Dry Type
262401		Utility Service Entrance
262413		Distribution Switchboards
262416		Panelboards
262716		Cabinets and Enclosures
262726		Wiring Devices
265113		Interior Luminaires
DIVISION 27	-	COMMUNICATIONS
270528		Pathways for Communications Systems
271005		Structured Cabling for Communications Systems
275123		Intercom Devices
DIVISION 28	-	ELECTRONIC SAFETY AND SECURITY
281000		Access Control
281600		Intrusion Detection
282300		Video Surveillance
284600		Fire Alarm
DIVISION 32	-	EXTERIOR IMPROVEMENTS
328310		Chain Link Fencing

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
A-000-R0	TITLE SHEET
A-001-R0	BUILDING CODE SUMMARY
A-002-R1	CONSTRUCTION ASSEMBLIES / SCHEDULES
L-100-R0	SITE PLAN – DEMOLITION & RENOVATION
A-100-R0	BASEMENT / CRAWLSPACE DEMOLITION PLAN
A-101-R0	MAIN FLOOR EMOLITION PLAN – SOUTH
A-102-R0	SECOND FLOOR / ROOF DEMOLITION PLAN
A-200-R0	BASEMENT / CRAWLSPACE RENOVATION PLAN
A-201-R0	MAIN FLOOR RENOVATION PLAN – SOUTH
A-202-R0	MAIN FLOOR RENOVATION PLAN – NORTH
A-203-R0	SECOND FLOOR RENOVATION PLAN
A-204-R0	ROOF PLAN
A-205-R0	ENLARGED PLANS
A-206-R0	ENLARGED PLANS
A-207-R0	REFLECTED CEILING PLAN
A-300-R0	BUILDING SECTIONS
A-301-R0	BUILDING SECTIONS
A-500-R0	WALL SECTIONS
A-501-R0	WALL SECTIONS
A-600-R0	DETAILS
A-601-R0	DETAILS
A-602-R0	DETAILS
A-700-R0	INTERIOR ELEVATIONS
A-701-R0	INTERIOR ELEVATIONS & MILLWORK
A-702-R0	MILLWORK & DETAILS
A-703-R0	INTERIOR ELEVATIONS
SKA-01-R0	INTERIOR GLAZING SCHEDULE
C-01-R0	LOT SERVICE PLAN
S1.1-R0	GENERAL NOTES

S1.2-R0	TYPICAL DETAILS
S2.1-R0	PARTIAL MAIN FLOOR FRAMING PLAN
S2.2-R0	SECOND FLOOR FRAMING PLAN
S2.3-R0	PARTIAL ROOF FRAMING PLAN
S2.4-R0	MECH ENCLOSURE ROOF PLAN
S5.1-R0	SECTIONS
M0.1-R0	MECHANICAL SYMBOLS
MP2.0-R0	BASEMENT DEMOLITION – PLUMBING PLAN
MP2.1-R0	LEVEL 1 DEMOLITION – PLUMBING PLAN
MP2.2-R0	LEVEL 2 DEMOLITION – PLUMBING PLAN
MP2.3-R1	BASEMENT RENOVATION – PLUMBING PLAN
MP2.4-R1	LEVEL 1 RENOVATION – PLUMBING PLAN
MP2.5-R0	LEVEL 2 RENOVATIO - PLUMBING PLAN
MP4.1-R0	DETAILS – PLUMBING
MF2.0-R0	BASEMENT – FIRE PROTECTION RENOVATION PLAN
MF2.1-R0	LEVEL 1 RENOVATION – FIRE PROTECTION PLAN
MF2.2-R0	LEVEL 2 RENOVATION – FIRE PROTECTION PLAN
MF2.3-R1	ARENA SOUTH – FIRE PROTECTION PLAN
MF2.4-R1	ARENA NORTH – FIRE PROTECTION PLAN
MF2.5-R0	ARENA SOUTH – FIRE PROTECTION PLAN
MF2.6-R0	ARENA NORTH – FIRE PROTECTION PLAN
MF4.1-R0	DETAILS – FIRE PROTECTION PLAN
MY2.0-R0	BASEMENT DEMOLITION – HYDRONIC PLAN
MY2.1-R0	LEVEL 1 DEMOLITION – HYDRONIC PLAN
MY2.2-R0	LEVEL 2 DEMOLITION – HYDRONIC PLAN
MY2.3-R1	BASEMENT RENOVATION – HYDRONIC PLAN
MY2.4-R1	LEVEL 1 RENOVATION – HYDRONIC PLAN
MY2.5-R0	LEVEL 2 RENOVATION – HYDRONIC PLAN
MY3.1-R0	LARGE SCALE PLANS – HYDRONIC
MY4.1-R0	DETAILS – HYDRONIC
MH2.0-R0	BASEMENT DEMOLITION – HVAC PLAN
MH2.1-R0	LEVEL 1 DEMOLITION – HVAC PLAN
MH2.2-R1	LEVEL 2 DEMOLITION – HVAC PLAN
MH2.3-R0	BASEMENT RENOVATION – HVAC PLAN
MH2.4-R1	LEVEL 1 RENOVATION – HVAC PLAN
MH2.5-R0	LEVEL 2 RENOVATION – HVAC PLAN
MH2.6-R1	ROOF RENOVATION – HVAC PLAN
MH3.1-R0	LARGE SCALE PLANS – HVAC
MH3.2-R0	3D LAYOUTS AND SECTIONS – HVAC
MH4.1-R0	DETAILS – HVAC
MH4.2-R0	DETAILS – HVAC
M5.1-R0	MECHANICAL SCHEMATICS – HVAC
M5.2-R0	MECHANICAL SCHEMATICS – HYDRONIC
M7.1-R2	HVAC SCHEDULES
M7.2-R2	HYDRONIC SCHEDULES
E0.1-R0	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E1.1-R0	ELECTRICAL SITE PLAN – DEMOLITION
E1.2-R0	ELECTRICAL SITE PLAN – RENOVATION
EDL2.0-R0	BASEMENT DEMOLITION – LIGHTING PLAN
EDL2.1-R0	LEVEL 1 DEMOLITION – LIGHTING PLAN
EDL2.2-R0	LEVEL 2 DEMOLITION – LIGHTING PLAN
EDP2.0-R0	BASEMENT DEMOLITION – POWER & SYSTEMS PLAN
EDP2.1-R0	LEVEL 1 DEMOLITION – POWER & SYSTEMS PLAN
EDP2.2-R0	LEVEL 2 DEMOLITION – POWER & SYSTEMS PLAN
EL2.0-R0	BASEMENT RENOVATION – LIGHTING PLAN
EL2.1-R2	LEVEL 1 RENOVATION – LIGHTING PLAN
EL2.2-R0	LEVEL 2 RENOVATION – LIGHTING PLAN
EP2.0-R1	BASEMENT RENOVATION – POWER PLAN
EP2.1-R1	LEVEL 1 RENOVATION – POWER PLAN

EP2.2-R1	LEVEL 2 RENOVATION – POWER PLAN
EF2.0-R0	BASEMENT RENOVATION – FIRE ALARM PLAN
EF2.1-R0	LEVEL 1 RENOVATION – FIRE ALARM PLAN
EF2.2-R0	LEVEL 2 RENOVATION – FIRST ALARM PLAN
EC1.1-R1	ARENA ELECTRICAL PLAN – DEMOLITION
EC1.2-R1	ARENA ELECTRICAL PLAN – RENOVATION
E4.1-R0	ELECTRICAL DETAILS
E5.1-R0	ELECTRICAL SINGLE LINE DIAGRAM – EXISTING
E5.2-R0	ELECTRICAL SINGLE LINE DIAGRAM – RENO 1 OF 2
E5.3-R1	ELECTRICAL SINGLE LINE DIAGRAM – RENO 2 OF 2
E5.4-R1	FIRE ALARM RISER
E5.5-R1	SYSTEMS RISER DIAGRAM
E6.1-R3	ELECTRICAL SCHEDULES
E6.2-R1	ELECTRICAL SCHEDULES
E6.3-R0	ELECTRICAL SCHEDULES
E6.4-R0	ELECTRICAL SCHEDULES
E6.5-R0	ELECTRICAL SCHEDULES
E6.6-R0	ELECTRICAL SCHEDULES

DRAWINGS

- Replace: 1176-2019_Drawing_MY2.4-R0 with 1176-2019_Addendum-#3_Drawing_MY2.4-R1
- Replace: 1176-2019_Addendum-#2_Drawing_M7.1-R1 with 1176-2019_Addendum-#3_Drawing_M7.1-R2
- Replace: 1176-2019_Addendum-#2_Drawing_M7.2-R1 with 1176-2019_Addendum-#3_Drawing_M7.2-R2
- Replace: 1176-2019_Addendum-#1_Drawing_EL2.1-R1 with 1176-2019_Addendum-#3_Drawing_EL2.1-R2
- Replace: 1176-2019_Drawing_EP2.2-R0 with 1176-2019_Addendum-#3_Drawing_EP2.2-R1
- Replace: 1176-2019_Drawing_E5.3-R0 with 1176-2019_Addendum-#3_Drawing_E5.3-R1
- Replace: 1176-2019_Addendum-#2_Drawing_E6.1-R2 with 1176-2019_Addendum-#3_Drawing_E6.1-R3
- Replace: 1176-2019_Drawing_E6.2-R0 with 1176-2019_Addendum-#3_Drawing_E6.2-R1

NMS SPECIFICATIONS

Section 23 82 00 Terminal Heat Transfer Units

2.1 FINNED TUBE RADIATION

- Revise: 2.1.1 to read: Finned Tube model basis of design shall be Zehnder Rittling SBG5
- .1 Capacity: 512 btu/h/ft
 - .2 Element lengths shall be as indicated on drawings
- Revise: 2.1.2 to read: Other acceptable manufacturers include:
- .1 Engineered Air
 - .2 Vulcan

Delete: 2.3 CABINET UNIT HEATERS

2.5 HYDRONIC RADIANT PANELS

Revise: 2.5.1 to read: Hydronic Radiant Panels basis of design shall be TWA L-37-C

- .1 Size: 24" width, length as per drawings
- .2 Design: 4 pass, mean temperature 145F
- .3 Capacity: 288 btu/h/ft

Revise: 2.5.2 to read: Other acceptable manufacturers include:

- .1 Rittling-Zehnder

QUESTIONS AND ANSWERS

Q1: Section 07 53 50, item 2.1.18: Is Parapet Anti-Slip Surfacing applied to all parapets, or only at roof ladder access?

A1: Only at roof ladder access.

Q2: It looks like grooved pipe can be used on the hydronic piping, but we didn't see any grooved valves (like Victaulic).

A2: Grooved pipe and fittings are acceptable, grooved valves are not. Refer to specifications.

Q3: What area in the Lobby is to be controlled by the photocell?

A3: Front entrance only.

Q4: Are both fixtures types in the Lobby/Entrance to be dimmed by the photocell?

A4: Type SL23A only to be dimmed

Q5: Will there also be a time schedule in the Lobby/Entrance?

A5: Controlled by occupancy and photocell.

Q6: The Classroom and Office show a dimming switch on the Sequence of Operations, but an OS\$ on the drawings. Are these spaces to be dimmed?

A6: Dimming is to be provided in the Classroom and Office

Q7: Where is vinyl wall covering being installed?

A7: Vinyl wall covering is being installed over the GWB in the individual and barrier-free washroom stalls in Universal WCs 106 and 107. Refer to 8/A-205

Q8: Does the sloped walkway in the Lobby require Detectable Warning Surfaces at the top and at the landing?

A8: No

Q9: Is the elevator flooring to be provided by the elevator manufacturer?

A9: Yes, metal checkerplate floor is part of the elevator car

Q10: Does Sprinkler/Utility Room 005 require rubber base at the new walls?

A10: Rubber base is required at new GWB walls, but not at existing concrete walls