



1176-2019 ADDENDUM #2

BUILDING SYSTEMS UPGRADE – 2055 NESS AVENUE

URGENT

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

ISSUED: December 17, 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 B – BIDDING PROCEDURES

- Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, January 3, 2020.
- Add: B7.3.1 Notwithstanding B7.3, requests for approval of a substitute will **not** be considered after December 12, 2019.

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 DEMOLITION 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-R0	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-R1	HVAC & PLUMBING SCHEDULE
M7.2-R1	HYDRONIC SCHEDULE
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-R1	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-R0	LEVEL 2 RENOVATION – SYSTEMS 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-R0	ELECTRICAL SINGLE LINE DIAGRAM – RENO 2 OF 2
E5.4-R1	FIRE ALARM RISER
E5.5-R1	SYSTEMS RISER DIAGRAM
E6.1-R2	ELECTRICAL SCHEDULES
E6.2-R0	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_A-002-R0 with 1176-2019 _Addendum-#2 Drawing_A-002-R1

Replace: 1176-2019 _Drawing_MP2.3-R0 with 1176-2019 _Addendum-#2 Drawing_MP2.3-R1

Replace: 1176-2019 _Drawing_MP2.4-R0 with 1176-2019 _Addendum-#2 Drawing_MP2.4-R1

Replace: 1176-2019 _Drawing_MH2.2-R0 with 1176-2019 _Addendum-#2 Drawing_MH2.2-R1

Replace: 1176-2019 _Drawing_MH2.4-R0 with 1176-2019 _Addendum-#2 Drawing_MH2.4-R1

Replace: 1176-2019 _Drawing_MH2.6-R0 with 1176-2019 _Addendum-#2 Drawing_MH2.6-R1

Replace: 1176-2019 _Drawing_M7.1-R0 with 1176-2019 _Addendum-#2 Drawing_M7.1-R1

Replace: 1176-2019 _Drawing_M7.2-R0 with 1176-2019 _Addendum-#2 Drawing_M7.2-R1

Replace: 1176-2019 _Drawing_E5.4-R0 with 1176-2019 _Addendum-#2 Drawing_E5.4-R1

Replace: 1176-2019 _Drawing_E6.1-R1 with 1176-2019 _Addendum-#2 Drawing_E6.1-R2

Replace: 1176-2019_Drawing_EF2.1-RO with 1176-2019_Addendum-#2_Drawing_EF2.1-R1

Add: 1176-2019_Addendum-#2_Drawing_A-703-R0

1176-2019_Addendum-#2_Drawing_SKA-01-R0

NMS SPECIFICATIONS

Section 02 81 00 Hazardous Materials – General Provisions

Replace: 1176-2019 _NMS_Section-028100 with 1176-2019 _Addendum-#2_NMS_Section-028100-R1

Section 02 82 10 Asbestos Abatement – Low Risk Precautions

Replace: 1176-2019 _NMS_Section-028210 with 1176-2019 _Addendum-#2_NMS_Section-028210-R1

Section 02 82 11 Asbestos Abatement – Moderate Risk Precautions

Replace: 1176-2019 _NMS_Section-028211 with 1176-2019 _Addendum-#2_NMS_Section-028211-R1

Section 02 82 12 Asbestos Abatement – Glove Bag

Replace: 1176-2019 _NMS_Section-028212 with 1176-2019 _Addendum-#2_NMS_Section-028212-R1

Section 02 82 13 Asbestos Abatement – High Risk Precautions

Add: 1176-2019 _Addendum-#2_NMS_Section-028213

Section 02 83 10 Lead Abatement – Minimal Precautions

Replace: 1176-2019 _NMS_Section-028310 with 1176-2019 _Addendum-#2_NMS_Section-028310-R1

Section 02 83 11 Lead/Silica Abatement – Intermediate Precautions

Replace: 1176-2019 _NMS_Section-028311 with 1176-2019 _Addendum-#2_NMS_Section-028311-R1

Section 07 53 50 Modified Bituminous Membrane Roofing

Replace: 1176-2019 _NMS_Section-075350 with 1176-2019 _Addendum-#2_NMS_Section-075350-R1

Section 07 84 00 Firestopping

Revise: 2.3 to read: ACCEPTABLE FIRE STOP APPLICATORS

- .1 National Firestop Ltd.
- .2 Total Fire Stop Systems Limited
- .3 Western Industrial Services Ltd.
- .4 Groundstar Systems (1987) Ltd.
- .5 Secure Firestop
- .6 Eco-Lok Protective Coatings

Section 08 42 29 Sliding Automatic Entrances - Interior

Revise: 2.2.1 to read: Standard of Acceptance: Besam SL500 sliding automatic doors. (Basis of Design).
Other acceptable product: Horton Automatics series 2003.

- .1 Aluminum doors and frames with sidelites and active door leaves.

- .2 Overhead concealed, electro-mechanical, microprocessor controlled, sliding door operator.
- .3 Operator housing, guide system and door carriers.

Section 08 71 00 Door Hardware

2.4 HARDWARE SCHEDULE

Hardware Sets

Revise: Set 7.0 to read: **Set: 7.0**

4 Hinge	TA2714 4-1/2" x 4"	US26D	MK
1 Storeroom Lock	ND80 T D RHO	626	SC
1 BEST Core	To Match Existing	626	BE
1 Cylinder	23-030 (Confirm Keyway and Keying)	626	SC
1 Electric Strike	5000C-LBM	630	HS
1 Automatic Operator	5710	689	NO
	Or Approved Alternate: Horton 7100		
1 Kick Plate	K1050 10"	US32D	RO
1 Floor Stop	441/443	US26D	RO
2 Full Height Actuator	639		NO
1 Restroom Relay Kit	Camden CX-WC11		CA
1 Power Supply	By Electrical		OT

Section 09 65 00 Resilient Flooring

Revise: 2.2.1.7 to read: Tile design, texture , and colour:

- .1 Supplier to allow for colour selection from full range of manufacturer's available colours as noted below.
- .2 Speckled Colour – selected from manufacturer's full available range.
- .3 Marbleized Colour – selected from manufacturer's full available range.

Revise: 2.2.1.20 to read: No bricks or weights required for installation (for weighting down product for proper adhesion) unless specifically required in the manufacturer's installation instruction for warrantable installation.

Section 09 67 00 Fluid-Applied Flooring

Replace: 1176-2019 _NMS_Section-096700 with 1176-2019 _Addendum-#2_NMS_Section-096700-R1

Section 10 99 90 Miscellaneous Specialties

2.1 WASHROOM ACCESSORIES

Revise: 2.1 to read:

Code	Description	Manufacturer's Products No.			
		Bobrick	Frost	Bradley	Dyson

BCS	Baby Change Station, surface mounted			962-11	
EHD	Electric Hand Dryer, white	B-7125			Airblade V #HU02 (sprayed nickel)
FSS	Folding Shower Seat. Refer to Drawings for left/right configuration		975		
GB-1	Grab Bar - 24"	B-5806X24	1001-SP24"		
GB-2	Grab Bar - 36"	B-5806X36	1001-SP36"		
GB-3	Grab Bar - 30"	B-5806X30	1001-SP30"		
GB-4	Grab Bar - 24" x 36"		1001-SP 24x36		
GB-5	Grab Bar - Flip-up, with carrier		1055-S, 1055-500		
GB-6	Grab Bar - Flip-up, with carrier and toilet paper holder		1055-FTS, 1055-500		
GB-7	Grab Bar - 36" x 36"		1003-SP 36x36		
MIR	304 stainless steel sheet, #8 mirror finish, custom sizes, fasten to plywood and mount to wall. No visible fasteners. In BF applications over single wall mounted sinks, use BradleyCorp product			748-2436	
PTD	Paper Tower Dispenser - Kimberley Clark #09990 "Smoke"				
RH	Robe Hook, collapsible		1150		
RSD	Recessed Soap Dish		1132HD		
SH	Shelf, stainless steel	B-295			
SD	Soap Dispenser, surface mounted	B-4112			
SN	Sanitary Napkin Disposal, surface mounted	B-270			

TP	Toilet Paper Dispenser, surface mounted		165		
WR	Waste Receptacle, surface mounted	B-279			
Waste Chute	Waste Receptacle Chute mounted in millwork with floor standing open top waste receptacle below	B-529 and B-2260			

Section 22 47 00 Plumbing Equipment

Delete: 2.3 SUBMERSIBLE SUMP PUMPS

Delete: 3.1.3

Section 22 42 01 Plumbing Specialties

2.1 FLEXIBLE PIPE CONNECTORS

Revise: 2.1.1 to read: Manufacturers:

- .1 Flextrol
- .2 Flex Tech Industries
- .3 Hydro-flex
- .4 Flex-Home Pumpsaver
- .5 Substitutions: Refer to Section 21 05 00

Section 22 42 02 Plumbing Fixtures

2.1 FLUSH VALVE WATER CLOSETS – FLOOR MOUNTED

WC-1

Revise: 2.1.1.1 to read: Manufacturer: TOTO CT705ULN(G) or Approved Alternative GERBER 25-733

WC-2 (incorrectly labelled as a duplicate 2.1.1.1)

Revise: 2.1.2.1 to read: Manufacturer: TOTO CT705ULN(G) or Approved Alternative GERBER 25-733

2.2 LAVATORIES

LAV-3

Revise: 2.2.3.1 to read: Manufacturer: TOTO LT501 or Approved Alternative Gerber 12-831-CH

Section 23 05 16 Piping Expansion Compensation

2.1 FLEXIBLE PIPE CONNECTORS

Revise: 2.1.1.1 to read: Manufacturers:

- .1 HYSpan
- .2 Flex-Hose Pumpsaver

.3 Substitutions: Refer to Section 21 05 00

Revise: 2.1.2.1 to read: Manufacturers:

- .1 Hydro Flex Inc.
- .2 HYSpan
- .3 Flex-Hose Pumpsaver
- .4 Substitutions: Refer to Section 21 05 00

Revise: 2.1.3.1 to read: Manufacturers:

- .1 Hydro Flex Inc.
- .2 Flex-Hose Pumpsaver
- .3 Substitutions: Refer to Section 21 05 00

Revise: 2.1.4.1 to read: Manufacturers:

- .1 Hydro Flex Inc.
- .2 Flex-Hose Pumpsaver
- .3 Substitutions: Refer to Section 21 05 00

Revise: 2.1.5.1 to read: Manufacturers:

- .1 Model G-FLEX
- .2 Flex-Hose Pumpsaver
- .3 Substitutions: Refer to Section 21 05 00

2.2 EXPANSION JOINTS

Revise: 2.2.1.1 to read: Manufacturers:

- .1 HYSpan model 8503
- .2 Flextronics
- .2 Flex-Hose Stoplink
- .3 Substitutions: Refer to Section 21 05 00

Section 23 05 20 Hydronic Specialties

2.1 FLEXIBLE PIPE CONNECTORS

Revise: 2.1.1 to read: Manufacturers:

- .1 Flextrol
- .2 Flex Tech Industries
- .3 Hydro-flex
- .4 Flex-Hose Pumpsaver
- .5 Substitutions: Refer to Section 21 05 00

Section 23 33 00 Duct Work Accessories

2.2 BACKDRAFT DAMPERS

Add: 2.2.1.1: Acceptable Manufacturers: Ventex. Substitutions: Refer to Section 21 05 00

2.10 VOLUME CONTROL DAMPERS

Add: 2.10.1.1: Acceptable Manufacturers: Alumavent. Substitutions: Refer to Section 21 05 00

Section 23 51 00 Breechings, Chimneys and Stacks

2.2 DOUBLE WALL METAL STACKS – AIR GAP

Revise: 2.2.1 to read: Manufacturers:

- .1 Schebler Chimney Systems model eVent
- .2 Approved Alternative: ICC model VIC
- .3 Substitutions: Refer to Section 21 05 00

2.3 DOUBLE WALL METAL STACKS – INSULATED

Revise: 2.2.1 to read: Manufacturers:

- .1 Schebler Chimney Systems model eVent Plus2
- .2 Approved Alternative: ICC model VIC
- .3 Substitutions: Refer to Section 21 05 00

Section 23 52 16 Boilers – Condensing Water Tube

Revise: 2.1.2 to read: Substitutions:

- .1 Viessmann Manufacturing C. (US) Inc.
- .2 Lochinvar LLC
- .3 RBI Infinite Energy 2-1000
- .4 RBI FlexCore CK1000

Section 23 57 00 Heat Exchangers

Revise: 2.1.1 to read: Manufacturers:

- .1 Bell & Gossett
- .2 Armstrong
- .3 Taco
- .4 Wilo (Wessels)
- .5 SEC Heat Exchangers

Section 23 64 00 Water Chillers – Packaged

Revise: 2.1.2 to read: Substitutions:

- .1 Trane CICD / CGWR
- .2 Carrier 30MPW
- .3 Climacool UCW030
- .4 Substitutions: Refer to Section 21 05 00

Section 23 65 16 Cooling Towers – Induced Draft

Revise: 2.1.2 to read: Substitutions:

- .1 Evapco eco-ATWB 9-4H9-Z

.2 Substitutions: Refer to Section 21 05 00

Section 23 73 23 Air Handling Units

Revise: 2.1.1 to read: Carrier shall be the basis of design

Revise: 2.1.2 to read: Substitutions (AHU-1,2,3):

- .1 Trane CSAA021, CSAA017, CSAA003
- .2 Daikin CAH018GDAM, CAH013GDAM, CAH003GDAM
- .3 Substitutions: Refer to Section 21 05 00

Section 23 73 24 De-Humidification Units

Revise: 1.4.1.1 to read: Dectron and LD series are basis of design. Approved Alternate: Seresco NP-018-NT

Section 23 74 13 Air Conditioning Units – Packaged Roof Top

Revise: 2.1.2 to read: Substitutions

- .1 Aeon RQ-006-4-V-HA02-33B
- .2 Trane
- .3 Daikin
- .3 Substitutions: Refer to Section 21 05 00

Section 23 82 00 Terminal heat Transfer Units

2.1 FINNED TUBE RADIATION

Revise: 2.1.2 to read: Other acceptable manufacturers offering equivalent products:

- .1 Sigma - SWF
- .2 Substitutions: Refer to Section 21 05 00

2.2 UNIT HEATERS

Revise: 2.2.2 to read: Other acceptable manufacturers offering equivalent products:

- .1 Sigma – SUH
- .2 Trane UHSB
- .3 Substitutions: Refer to Section 21 05 00

2.4 FAN-COIL UNITS

Revise: 2.4.1 to read: Manufacturer: Carrier 42DC08B, 42DC06B

Revise: 2.4.2 to read: Other acceptable manufacturers offering equivalent products:

- .1 Trane FFCB
- .2 Daikin FCHH
- .3 Substitutions: Refer to Section 21 05 00

2.5 HYDRONIC RADIANT PANELS

Revise: 2.5.1 to read: Manufacturers:

- .1 TWA
- .2 Price Industries

- .3 Engineered Air
- .4 Sigma SLC

Section 28 23 00 Video Surveillance

Delete: 3.4 Interface with Other Products

Section 28 46 00 Fire Alarm

Revise: 2.1.1 to read: The fire alarm devices as described herein are based on the Simplex 4100 fire alarm system.

Section 28 10 00 Access Control

Revise 2.1.1 to read: Kantech KT-400 series complete with Entrapass Special Addition single workstation software management system (ACS).

Revise 2.3.1 to read: Manufacturer: Kantech KT-400 series, or approved equal in accordance with B7.

QUESTIONS AND ANSWERS

Q1: Drawing S1.2: Question regarding wall reference points for details 5 through 9.

A1: Coordinate with new wall locations as per Architectural drawings, where new CMU walls are indicated.

Q2: Drawing L-100 references thickened edge slab and refers to Structural. Can't find reference in Structural.

A2: Thicken edge slab in question appears to be the electrical transformer slab (\$/L-100) and shall use the same thickened edge slab type as the concrete pad on the west side of the building at gridline 2 & A, with dimensions as per 4/L-100. Typical thickened edge detail is shown on 11/S5.1.

Q3: Will all end devices such as card readers, cameras, speakers, etc. be surface mounted?

A3: Yes.

Q4: Drawing EC1.2 shows 1 manual station, 3 heat detectors, and 1 bell. Can you confirm which devices are new and which are existing?

A4: The manual station is new, the heat detectors are existing to remain, and the bell is actually a new Horn/Strobe.

Q5: Drawing EF2.0 indicates to provide non-addressable moisture-proof heat detectors. Will they each require an addressable monitor IAM?

A5: Yes.

Q6: The fire alarm zone schedule indicates two zones for 'Gas detection high level', what gas detection system or device is this monitoring?

A6: There are CO detectors in the building.

Q7: Do the main service feeders need to be encased in concrete in the crawl space, or simply hung on strut from the structure until they come up through the floor (Drawing E1.2)?

A7: Within the crawlspace, the conduits can be hung on struts from the structure.

Q8: When re-feeding existing panels, can the existing panel feeder conduit and wire be re-used by simply cutting in a box, using uni-taps and extending the feeders into the new distribution where applicable? (Drawing E5.2)

A8: This is acceptable.

Q9: Drawing E4.1 mentions a manhole?

A9: The note regarding the manhole does not apply.

Q10: Can Panel M100 be quoted as a 66-circuit panel?

A10: Number of circuits to be as per drawing. Double tub panel is acceptable.

Q11: Is Panel Z new?

A11: Panel Z is existing.

Q12: What is the value of future load breakers in various panels/switchboards?

A12: These should be quoted as adjustable electronic breakers, with a frame size based on the largest feeder breaker in the respective panel.

Q13: Which starters need to be quoted from the Mechanical Schedule?

A13: Starters denoted by "MAG" need to be quoted.

Q14: Bus bar and ground bar materials for panels and switchboards?

A14: These are indicated in conduit schedules on the drawing.

Q15: Are all the fire alarm bells in the building to be demolished? Are the Electrical Contractors to re-use existing notification wiring or provide new?

A15: All bells in the building are to be demolished. New wiring is to be provided.