

EXHIBIT “A”

Attachment to Bid Package No. 1214029-044 Addendum No. 1
dated Wednesday, January 25, 2017,

by and between HVAC SYSTEM BIDDER and SKANSKA USA BUILDING INC.
for HVAC System Work
at Westchester Medical Center – Ambulatory Care Pavilion, Valhalla, New York.

SCOPE OF WORK AND CLARIFICATIONS/QUALIFICATIONS

Scope of Work Required Contract Documents

The Scope of Work shall include, but not be limited to, the General Conditions, all Division 1 Specification sections, and all Work in the following Specification Section(s) and as further described herein.

Specification

Sections

Description

23 05 00	BASIC MECHANICAL MATERIALS AND METHODS
23 05 10	3D BUILDING INFORMATION MODELING
23 05 13	MOTORS AND CONTROLLERS
23 05 14	VARIABLE FREQUENCY DRIVES
23 05 16	PIPE EXPANSION
23 05 19.10	METERS
23 05 19.20	HYDRONIC PIPING SPECIALTIES
23 05 23	HVAC VALVES AND STRAINERS
23 05 29	HANGERS AND SUPPORTS
23 05 33	ELECTRIC HEAT TRACING
23 05 48	MECHANICAL VIBRATION CONTROLS & SEISMIC RESTRAINTS
23 05 53	MECHANICAL IDENTIFICATION
23 05 84	THROUGH-PENETRATION FIRESTOP SYSTEMS
23 05 93	TESTING, ADJUSTING AND BALANCING
23 07 13	DUCT INSULATION
23 07 16	EQUIPMENT INSULATION
23 07 19	HVAC PIPING INSULATION
23 08 00	COMMISSIONING OF HVAC SYSTEMS
23 10 00	FUEL SYSTEM
23 20 00	HVAC PIPING AND JOINTS
23 21 23	HVAC HYDRONIC PUMPS AND ACCESSORIES
23 22 23	STEAM AND CONDENSATE SPECIALTIES
23 25 00	CHEMICAL WATER TREATMENT
23 25 26	SAND WATER FILTERS
23 31 00	SHEET METAL WORK AND ACCESSORIES
23 33 19	SOUND ATTENUATORS
23 33 63	AIR FLOW MEASURING STATIONS
23 36 00	AIR TERMINAL BOXES
23 37 00	REGISTERS, GRILLES AND DIFFUSERS
23 37 23	ROOF ACCESSORIES
23 39 00	FANS AND ACCESSORIES
23 41 00	FILTERS
23 57 00	HEAT EXCHANGERS

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<u>Specification Sections</u>	<u>Description</u>
23 57 20	PACKAGED HEAT EXCHANGER(S) AND PUMPING SYSTEM (CHILLED BEAMS)
23 57 35	UNFIRED STEAM GENERATOR
23 64 13.16	INDIRECT-FIRED ABSORPTION CHILLERS (DOUBLE EFFECT)
23 64 16	CENTRIFUGAL WATER CHILLERS
23 65 00	COOLING TOWERS
23 73 13	MODULAR INDOOR AIR HANDLING UNITS
23 73 23	FACTORY BUILT-UP AIR HANDLING UNITS
23 81 26	SPLIT SYSTEM AIR CONDITIONING UNITS
23 81 26.13	MINI SPLIT SYSTEMS (1.5 – 3.5 TONS – HEAT PUMP)
23 81 26.23	VARIABLE REFRIGERANT FLOW SYSTEMS (VRF)
23 82 16	COILS
23 82 35	TERMINAL HEAT TRANSFER UNIT
23 89 00	STEAM HUMIDIFIERS
23 90 00	HVAC SPECIALTIES

The Scope of Work shall include coordination with the following Related Specification Sections:

<u>Related Sections</u>	<u>Description</u>
01 12 00	SUMMARY
01 21 00	ALLOWANCES
01 23 00	ALTERNATES
01 26 00	CONTRACT MODIFICATION PROCEDURES
01 26 13	REQUESTS FOR INTERPRETATION
01 29 00	PAYMENT PROCEDURES
01 31 00	PROJECT MANAGEMENT AND COORDINATION
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION
01 32 33	PHOTOGRAPHIC DOCUMENTATION
01 33 00	SUBMITTAL PROCEDURES
01 40 00	QUALITY REQUIREMENTS
01 42 00	REFERENCES
01 50 00	TEMPORARY FACILITIES AND CONTROLS
01 50 01	MAINTENANCE AND PROTECTION OF TRAFFIC
01 56 39	TREE PROTECTION AND PRUNING
01 57 19	INDOOR AIR QUALITY (IAQ) MANAGEMENT
01 60 00	PRODUCT REQUIREMENTS
01 73 00	EXECUTION
01 73 29	CUTTING AND PATCHING
01 74 19	CONSTRUCTION WASTE MANAGEMENT
01 77 00	CLOSEOUT PROCEDURES
01 78 23	OPERATION AND MAINTENANCE DATA
01 78 39	PROJECT RECORD DOCUMENTS
01 79 00	DEMONSTRATION AND TRAINING

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<u>Related Sections</u>	<u>Description</u>
01 91 13	COMMISSIONING GENERAL
02 41 19	SELECTIVE STRUCTURE DEMOLITION
25 05 00	BASIC MATERIALS AND METHODS
25 06 30	SCHEDULES
25 10 00	DIRECT DIGITAL/AUTOMATIC TEMPERATURE CONTROLS
25 35 23	DDC CFM TRACKING TERMINAL BOXES (VAV, VCV, CV, VVE, CVE DESIGNATIONS)
25 50 00	INSTRUMENTATION TERMINAL DEVICES
25 90 00	SEQUENCES OF OPERATION
27 00 00	COMMUNICATIONS SYSTEMS
27 10 00	STRUCTURED CABLING SYSTEM
27 41 33	TELEVISION SYSTEM
27 51 16	PUBLIC ADDRESS SYSTEM
27 52 23	NURSE CALL SYSTEM
27 53 13	WIRELESS CLOCK SYSTEM
28 08 00	COMMISSIONING OF ELECTRONIC SAFETY AND SECURITY
28 13 00	ACCESS CONTROL SYSTEM
28 23 00	CLOSED CIRCUIT VIDEO SYSTEM
28 23 50	SECURITY CAMERAS
28 31 10	FIRE ALARM AND EMERGENCY COMMUNICATIONS SYSTEM
26 05 10	ELECTRICAL SPECIAL CONDITIONS
26 05 20	BASIC MATERIALS AND METHODS
26 05 30	WIRING METHODS
26 05 48	VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS
26 05 70	POWER SYSTEM STUDIES
26 05 80	ELECTRICAL ACCEPTANCE TESTS
26 05 84	THROUGH PENETRATION FIRESTOP SYSTEMS
26 08 00	COMMISSIONING OF ELECTRICAL SYSTEMS
26 09 20	LIGHTING CONTROL SYSTEM
26 11 20	SECONDARY UNIT SUBSTATIONS
26 20 10	LOW VOLTAGE DISTRIBUTION
26 20 20	ISOLATED POWER SYSTEMS
26 30 10	ELECTRICAL POWER GENERATION
26 41 10	LIGHTNING PROTECTION SYSTEM
26 43 10	SURGE PROTECTIVE DEVICES
26 50 10	LIGHTING FIXTURES