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<u>ADDENDUM NO 2</u>

TO: All Prospective Bidders

DATE: January 31, 2017

PROJECT: Hobart Hall RTUs & HVAC Controls (WP-16-06-03)

This Addendum No. 2 forms a part of the contract bidding documents and answers all questions submitted regarding the bidding documents. Please acknowledge receipt of this Addendum No. 2 on Bid Document Checklist (WPU01) and Bid Form (WPU03) included in the Bid Document package.

Clarifications and Update:

- 1. Drawings G1H, M1H and M2H have been revised (Rev. 1 dated 1/26/17) as part of this addendum and supersede earlier documents with the same designation.
- 2. Revised Bid Form is posted on CPDC website, with addition of Alternate Price #1 for Portable AC Units and an Allowance for repairing RTU screens.
- 3. The contractor is responsible for all changes in cost, design and permitting resulting from substitutions for basis of design for Roof Top Units.

Questions and Answers:

- Q. The entire HVAC system(s) should be cleaned. Please provide ductwork as-built drawings so we can properly estimate the work.
- A.: Ductwork drawings have been posted under Reference Documents.
- Q. Please provide contact information for the company who currently services the fire alarm system.
- A.: Simplex Contact is Umberto Bringas 201-294-5777.

- Q. Is acoustical liner required on the new ductwork? Please specify size, if so.
- A.: Yes, provide 1-Inch Thick Acoustical Lining In The Supply And Return Duct Of All Air Handling Units Up To 20-Feet from The Fan Discharge.

The duct sizes on the plan are internal clear dimensions, note 1 on M1H:

All Duct Sizes Stated On Plans Are Internal Clear Dimensions. Outer Dimensions Of Internally Lined Ductwork Shall Be Increased Accordingly.

A B C D	E F G H	I J K L M	N O P Q
	MISSION STATEMENT AND SCOPE	DESIGN CRITERIA AND ADDITIONAL PROJECT REQUIREMENTS	
1	Project Mission Statement	Applicable Codes And References	
	1. The Project Consists of the Replacement Of Rooftop HVAC Units That Have Exceeded Their Useful Life.	The Entire Installation Shall Comply With All Local And State Codes, Including Amendments To Said Codes, And Other Authorities Having Jurisdiction.	
	A. RTU Replacement System Overview: The Replacement Rooftop Unit(s) Plan Was Designed By DLB Associates Of Eatontown NJ, And Is Included As Page M1H Of This RFP. The Carrier Units Specified In The Design Plan Are 48A3W Models With An AHRI Certified Net Capacity Of 12.5-27 Tons And ASHRAE 90.1 Standard EER 10 Rated Efficiency. This Is The Preferred Unit, But If Significant Cost	 International Building Code, 2015 Edition International Mechanical Code, 2015 Edition National Standard Plumbing Code, 2015 Edition National Electrical Code, 2014 Edition 	
2	Savings For The Owner Might Be Available With A Different Manufacturer The Owner Will Consider This If The Unit Proposed Meets NJBPU's Requirements For The Maximum Energy Efficiency Incentive Offered By NJ Clean Energy Program.	5. ASHRAE 90.1 Energy Standards, 2013 Edition Design Conditions (+/- 3 Deg. Tolerance)	OVAL
	B. The Replacement BMS System Was Designed By DLB Associates Of Eatontown NJ, And Is Included As Pages M3H And M4H Of This RFP. The Existing Local Controls And Local BMS System Will Be Replaced By A New Automated Logic Building Management System.	Summer Outdoor Design Conditions Summer Indoor Design Conditions: Dry Bulb: 95 Deg. F. Dry Bulb: 75 Deg. F. Wet Bulb: 75 Deg. F. Relative Humidity 50%	DCA APPR
	Project Description	Winter Outdoor Design Conditions Winter Indoor Design Conditions O Deg. F. Dry Bulb 72 Deg. F. Dry Bulb	
3	 The Project Consists Of Mechanical, Electrical, And Structural Work At Hobart Hall Located On The William Paterson University Campus In Wayne, NJ. 	Ventilation: 1. Outside Air Ventilation Design Air Quantity Will Be Provided As Required By International Mechanical Code	
	 This Is A Single Prime Mechanical Contract And It Will Be The Responsibility Of The Mechanical Contractor To Hire Licensed Subcontractors For The Related Work. 	Filtration: 30% Filter	
	3. Hobart Hall is a 2 Story Building (1st And 2nd Floor) Enclosing Approximately ~70,000 Sq. Ft.		No. Drawing Title Issues / Revisions
	Scope		
	The Following Is A Brief Scope Of The Work For This Project (Not Intended To Be All Inclusive):		2017
	 Replace (12) Twelve Existing Mechanical Roof Top Units In Kind That Provide Conditioned And Ventilation Air To The Entire Building. The General Procedure For This Replacement Shall Include: 		Const. 1/13/.
	A. Pre-ballance Each Existing RTU And Inspect Ductwork Connections To Verify Baseline Operating And Working Conditions	KEY PARTICIPANTS & THEIR ROLES	GENERAL INFORMATION FOR ALL TRADES G1H GENERAL INFORMATION SHEET - 1 X
5	B. Test Existing Electrical Feeders And Verify Condition And Operation.	Owner PME William Paterson University DLB Associates Consulting Engineers, PC - NJ	G2H GENERAL INFORMATION SHEET - 2 X
	 C. Disconnect And Remove Existing RTU, Set Any Additional Steel Required, Modify Ductwork As Required, Rig And Set New RTU 	300 Pompton Road 265 Industrial Way West Wayne, NJ 07470 Eatontown, NJ 07724	MECHANICAL
	D. Finalize Existing Ductwork Connections, Reconnect Electrical Feeders And New Gas Service	Richard Stromber Scot Gowers - Project Manager Phone: (732) 927-5145	M1H ROOF PLAN A311 DETAILS AND BELL SCHEDLIE
	E. Test And Balance RTU To Match Performance Of One That Was Replaced.		M2H DETAILS AND RTU SCHEDULE X M3H CONTROL POINT LIST AND VAV SCHEDULE X
	2. New Natural Gas Service Shall Be Provided To The Building By PSE & G, Contractor To Route and		M4H SCHEMATIC OVERVIEW PLAN X
	Connect To All Roof Top Units. 3. New Rooftop Units Shall Be Connected To The Existing Mechanical Ductwork And Distribution. All		ELECTRICAL
	Modifications Must Be Made Prior To Setting New Units.	ALLOWANCE	E1H ROOF PLAN X
	4. New Units Shall Be Connected To The Existing Electrical Infrastructure. 5. Modify Duppage Platforms, And Access Ladders To Accommodate New Units, All Medifications	 Contractor To Include An Allowance Of \$ 250 Per RTU Units (Total Of \$ 3000) To Accommodate Any Acoustical Screening Repair Work That May Be Required. 	S-101 EXISTING ROOF PLATFORM FRAMING PLAN X
	5. Modify Dunnage, Platforms, And Access Ladders To Accommodate New Units. All Modifications Shall Be Primed And Painted.		S-102 GENERAL NOTES, ENLARGED PLANS AND SECTIONS X
7	6. Provide A New Centralized BMS. Points To Be Monitored Include; Start/ Stop, OA/ RA/ EA Dampers, Cooling and Heating Modes, RA/ MA/ SA Temperatures Etc.		DOCUMENT ORGANIZATION
	\		Drawings Organization G#H
	}		1. General Information Sheets ———————————————————————————————————
8	}	The same of the sa	Drawing Trade G: General
	}		M: Mechanical E: Electrical 4. Structural (S Series) S: Structural
	}	PHOTO A - Typical Acoustical Screen	Drawing Sequence
	}	A Few OF the Existing Acoustical Panel Clips Have Failed And Are To be Reinstalled.	Drawings Start With The General Information Sheet, The Planviews, Followed By All Other Pertinent Information. Where Effective, Supplemental Information Is Included Directly On The Planviews.
9	SPECIAL EMPHASIS, CONCERNS & LIMITATIONS	ADD ALTERNATES	
	1. Schedule Of Interruptions / Shutdowns Will Be Limited And Groups Of RTUs That Will Need To Be Shut Down, Replaced And Placed Back Into Operation Before Other RTU Units Are Shut Down. Coordinate With WPU On Schedule And Written Consent Shall Be Required Before Any Interruptions	 Contractor To Provide Add Alternate Unit Prices To Replace A Typical 500, 1000 and 2000 CFM VAV Box In Kind Including All Accessory Work Including Ductwork Modification, Electrical Connections, Damper, Ceiling Removal And Replacement, Etc. 	 General Notes - One Or More In List Form Which Are Not Indicated Specifically On A Plan, Section, Elevation, Or Detail. Notes For This Drawing - General Notes Located Only On The Drawing That Applies.
10	Are Permitted. The Dates For RTU Shutdown And Replacement Are: a) RTU 5,6,11 Start May 15th And Be Fully Operational By June 2nd b) RTU 3,7,8,8a Start June 5 And Be Fully Operational By June 23rd	2. Contractor To Provide An Add Alternate Unit Price To Replace A Typical Electric Duct Mounted Reheat Coil Of 1.25kw 277v, 1.75kw 277v and 8.25kw 480v Including Ductwork Modification, Electrical Connections, Disconnect Switch, Ceiling Removal And Replacement, Etc.	3. Key Notes - Used In Lieu Of Standard Notes Where They Improve Readability, Key Notes Are Gathered Together And Listed Collectively On The Drawings On Which They Are Located.
10	c) RTU 9,10 Start July 3rd And Be Fully Operational By July 21st d) RTU 1,2,4 Start July 21 And Be Fully Operational By August 11th	3. Contractor To Provide Alternate Price In The Event That An Existing Feeder Does Not Pass Testing. The Existing Feeder Shall Be Removed And New Feeder Pulled In Utilizing Existing Conduits.	Addenda & Revisions 1. Some Addenda And Revisions Are Identified On The Drawings Using A /1 . The Number In The
	 The Existing Roof Top Units Are Being Replaced In Kind. Coordinate All Access Including Crane With WPU. Hobart Hall Is Only Available Outside Of Normal 	Replacement Feeder Will Be 3# 1/0, #6G, 2"C. Utilizing Existing Conduits. Existing Main Breaker Would Also Need To Be Replaced.	Triangle Links To The Revision Block In The Title Block Section. 2. Sometimes The Most Recent Change Is Clouded To Provide Increased Clarity.
	Business Hours And While Building Is Not Occupied.	4. Contractor To Provide Alternate Price To Provide Four Commercial 18,000 btu Portable AC Units (Ocean Air Or Eq.) Including All Installation Requirements / Materials (Condensate, Hoses, Ducts, Etc.). Alternate Price To Include Installation And Maintenance Of These Units During This Project To	2. Sometimes the wost recent change is clouded 10 Provide increased Clarity.
11	4. WPU Will Retain 3rd Party Testing And Balancing Company For Final System Balancing After Units Are Installed. Contractor Responsible For Pre-Ballancing. Contractor Also Responsible To Working With The Universities Post Balancing Company To Make Any Adjustments Required.	Provide Temporary Cooling In Classroom Spaces. Once Project is Complete Units And Accessories Shall Be Turned Over To WPU For Future Use.	
	5. Coordinate All Fire Alarm Work With Simplex, Contact Is Umberto Bringas (201) - 294 - 5777		
98	dlb associa	TODANI HALL HVAC	dwg. no. GENERAL INFORMATION SHEET-1
X	CONSULTING ENGINEE 265 Industrial Way West, Eatontoo	WAYNE, NJ, 07470	G1H
1 01/26/17 REV 1 ITEM DATE ISSUE DESCRIPTION ITEM DATE ISSUE DESCRIPTION	Questions For DLB Call: DLB Project ID: 47401 Phone: y Gowers, Scot	Scot Gowers S 732-927-5145 A	scale drawn by checked by date filename AS SHOWN DR SG 03/08/2016 47401G1H



