



Date: February 15, 2017

ROCKINGHAM COUNTY PUBLIC SCHOOLS
PLEASANT VALLEY ELEMENTARY SCHOOL – RENOVATION AND ADDITION
I.F.B. 082-95-00-101
DAYTON LEARNING CENTER
I.F.B. 082-95-01-100
JOHN WAYLAND ELEMENTARY SCHOOL – RENOVATION AND ADDITION
I.F.B. 082-97-00-101

ADDENDUM #1

GENERAL:

Please inform all concerned that the Contract Documents are modified by this Addendum.

Acknowledge receipt of this Addendum by inserting addendum number and date in space provided on the Bid Form.

The following revisions, additions, and clarifications are hereby a part of the Contract Documents and supersede or otherwise modify the provisions of the published Project Manual and Drawings dated February 01, 2017.

Refer to Specification Sections and Drawings attached to end of this Addendum as these documents are a part of this Addendum and as such form a part of the Contract Documents.

A. PROJECT MANUAL:

- 1. Section 00 41 00, Bid Form – PVES & DLC (Section Reissued)**
- 2. Section 00 41 00, Bid Form - JWES (Section Reissued)**
- 3. Section 01 21 00, Allowances**
Page 3: **Add** "E" to part 3.3 as follows:
E. Allowance No. 5: Permanent Gas Connection:
 1. Include an allowance sum of **\$5,000.00** for the Natural Gas Company "permanent gas service connection fee" for Dayton Learning Center.
- 4. Section 03 30 00, Cast-In-Place Concrete**
Page 2: **Revise** part 2.3 as follows:
2.3 VAPOR AND RADON BARRIER
 - A. Plastic Vapor and Radon Barrier: Provide a vapor and radon barrier under all slabs-on-grade. ASTM E 1745, Class A, no less than 15 mils. . Must maintain permeance of less than 0.01 Perms [grains/(ft² · hr · inHg)] as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.5). Include manufacturer's recommended adhesive or pressure-sensitive tape.
 1. Products:
 - a. Stego Wrap 15 by Stego Industries
 - b. Vaporguard by Reef Industries
 - c. VaporFlex 15 by Layfield

Page 4: **Revise** part 3.3 as follows:

3.3 VAPOR AND RADON BARRIER

- A. Plastic Vapor and Radon Barrier: Place, protect, and repair vapor retarders according to ASTM E 1643 and manufacturer's written instructions.
1. Following leveling and tamping of granular base/porous fill for slabs on grade, place vapor and radon barrier membrane in position with longest dimension parallel with direction of pour. Turn vapor and radon barrier membrane up at face of walls at edges of slabs and provide a continuous seal.
 2. Lap joints 6 inches (150 mm) and seal with manufacturer's recommended tape. Provide manufacturer's boots at all pipes, conduits, and other items penetrating the slab. Seal all penetrations and vertical surfaces.
 3. Inspect the vapor and radon barrier membrane installation prior to pouring concrete and seal all punctures and tears in the membrane with manufacturer's recommended sealing tape system.

5. Section 11 66 23, Athletic Equipment

Page 5: **Add** "6" to part 2.4.D. as follows:

6. Height of curtain lower section to be 8'-0" A.F.F.

6. Section 11 94 00, Miscellaneous Equipment

Page 1: **Add** "B" to part 1.1 as follows:

- B. Rapid entry box(es) will be provided by the Owner and are to be installed by the contractor.

1. Section 22 07 00, Plumbing Insulation

Page 5: **Delete** paragraph 2.5, B in its entirety.

Page 7: **Delete** paragraph 2.7, A in its entirety.

Page 13: **Delete** paragraph 3.10, A in its entirety.

Page 16: **Delete** paragraph 3.16 in its entirety.

2. Section 23 20 00, HVAC Piping and Pumps

Page 3: **Revise** paragraph 2.1 C, Underground Piping, to include the following acceptable manufacturers:

Rovanco Corp., Thermacor Process, Inc., Insul-Pipe systems, Perma-Pipe/Ricwill, Insul-Tek, Inc., or Energy Task Force (ETF).

Page 5: **Add** the following to paragraph 3.1 D as follows:

Install strainers on supply side of each heating and cooling coil, chiller or other element with a control valve. In addition, install strainers on the supply side of each pump, pressure-reducing valve, solenoid valve, in-line pump, and elsewhere as indicated.

3. Section 23 50 00, Central Heating Equipment

Page 3: **Revise** paragraph 2.1 B. 1 as follows:

1. All Steel, Positive Pressure, Double Wall Vents: UL labeled double wall metal stacks for use with forced draft, high efficiency, condensing gas-fired appliances. Construction shall provide for 1" minimum fiber insulation between walls; inner jacket shall be of Type 29-4C or 444 stainless steel, minimum 0.035" thick; outer jacket shall be Type 430 or 304 stainless steel, minimum 0.025" thick.

4. Section 23 60 00, Central Cooling Equipment (John Wayland E.S. and Pleasant Valley E.S. only)

Page 4: **Add** "N" to part 2.1 as follows:

- N. Provide BACNET interface to allow the BAS specified in Section 23 09 00 to monitor, control, and display chiller status and alarms. The following points shall be available to/from the BAS: status, power demand, power consumption, %RLA, supply temperature setpoint, base loading setpoint, refrigerant temperatures and pressures,

entering and leaving water temperatures, compressor voltage by phase, compressor current, water flow status.

Page 4: **Add** "O" to part 2.1 as follows:

- O. Provide operator interface with touchscreen display.
1. Minimum display functions shall include: Date and time, Operating or alarm status, Fault history with not less than last 10 faults displayed, Set points of controllable parameters, Trend data, Operating hours, Number of chiller starts, Temperature and pressure of operating set points, Entering- and leaving-fluid temperatures, Refrigerant pressures in evaporator and condenser, Refrigerant saturation temperature, No cooling load status, Pump status, Anti-recycling timer status, Percent of maximum motor amperage, Current-limit set point, Compressor refrigerant suction and discharge temperature, Oil temperature, Oil discharge pressure, Phase current, Percent of motor rated load amperes, Phase voltage.
 2. Minimum control functions shall include: Manual or automatic startup and shutdown time schedule, Entering and leaving chilled water temperatures, control set points, and motor load limits, External chiller emergency stop, Anti-recycling timer.

5. Section 23 70 00, Central HVAC Equipment (Dayton Learning Center only)

Page 6: **Revise** 2.2 B as follows:

"Casings for all sections shall be double wall for RAC-CR and single wall for RAC-ADM and RAC-CAF, galvanized steel..."

6. Section 27 41 16, Sound System

Page 3: **Change** "c" from #DN-700H to #DN-700C

7. Section 27 51 23, Intercommunications and Program Systems

Page 9: **Revise** 2.1 D as follows:

"Bogen "Multicom 2000", Telecor or Valcom Class Connection Intercom shall be..."

8. Section 27 53 13, Clock Systems

Page 2: **Revise** 2.1 A as follows:

"System shall be based on the Rauland-Borg Corporation, whose numbers are used herein or Bogen "Multicom 2000", Lathem, Telecor and Valcom Clock System or accepted equal."

9. Section 28 16 00, Security and Communication Systems

Page 2: **Revise** 1.4 F 9 as follows:

"SYSTIMAX[®] MGS400-361 CAT 6 RJ45 Jack. T568A/B, Violet or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others."

Page 2: **Revise** 1.4 F 11 as follows:

"Cabling by SYSTIMAX[®] (numbers used herein) or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others:"

Page 9: **Delete paragraph** 1.6 I in its entirety.

Page 13: **Revise** 2.3 B 6 as follows:

"SYSTIMAX[®] # M16-L-246 (Ivory) single gang face plate. Provide two (2) port faceplate with one (1) to two (2) jacks or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others."

Page 13: **Revise** 2.3 B 7 as follows:

"SYSTIMAX[®] # MGS4600-361 CAT 6A RJ45 Jack. T568A/B, Violet or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others."

Page 13: **Revise** 2.3 B 8 as follows:

"SYSTIMAX[®] # M20AP-246 (Ivory) dust cover for M-Series Faceplates and Outlets or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others."

Page 13: **Revise** 2.3 B 9 as follows:

"SYSTIMAX[®] # 2091E Cat-6A Cables for above grade applications or provided by AMP,

Panduit, CommScope, Leviton or acceptable equal by others.”

Page 14: **Revise** 2.3 B 10 as follows:

“SYSTIMAX® # 1592A Cat-6A Cables with MS400-361 category 6A jack for any below grade applications or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others....”

Page 15: **Revise** 3.2 D as follows:

“SYSTIMAX® 2079E Cat-6A Cables or provided by AMP, Panduit, CommScope, Leviton or acceptable equal by others:”

10. **Section 28 31 00, Fire Detection and Alarm**

Page 5: **Revise** 2.1 A as follows:

“The system specified herein is based on the arrangement of a Notifier “NFS-640” series intelligent analog fire alarm system and how the system components are grouped into the basic panels, additional modules, auxiliaries and accessories. It is the intent of this specification to allow the total assembly of components to accomplish the specified operation and installation herein and not the exact arrangement of the various subcomponents. Alternatives to the Notifier fire alarm system are the Edwards “EST3”, Siemens, Firelite and DSC fire alarm systems....”

Page 18: **Add** 2.7 as follows:

“2.7 ELECTROMAGNETIC DOOR HOLDERS:

- A. Provide where indicated on the drawings, 24 volt wall mounted electromagnetic door holders, Notifier FM series, controlled from the fire alarm control panel, to release when the general alarm is activated. The holders shall be furnished complete with all adapters, extensions and accessories necessary to suit the door limits of travel and distances to the wall, and shall be coordinated with the Architect for locations and mounting height. Wall or floor mounted door holders are indicated on the drawings. All wiring shall be concealed.”

Page 21: **Add** 3.2 O as follows:

- “O. Provide wall mounted magnetic door holders where indicated. Connect to 24 VDC output without standby batteries. All door holders shall release on general alarm or loss of normal 24 VDC power. Provide armature extensions and adapters as required and coordinate with door swing arc. Holders shall be mounted eight (8) inches below the top of the door. All wiring shall be concealed. Verify exact location and mounting height with Architect to prevent damage to doors (s).”

11. **Section 31 21 00, Earth Moving**

Page 3: **Revise** part 1.6.A to read as follows:

- A. It is anticipated that some material will be required to be exported or imported to achieve the finish grades indicated on the Drawings. Excavation and disposal of the required material off-site in a legal manner shall be a Contract responsibility. No additional payment will be made for the import or export and disposal of this material.

Page 3: **Revise** part 1.7.C to read as follows:

- C. Testing and Inspection Service: Contractor shall employ and pay for an independent Geotechnical testing and inspection laboratory to perform soil testing and inspection service during earthwork operations. Contractor to provide written results of all testing and inspection to the Architect and the Owner. These services do not relieve the responsibility for compliance with Contract Document requirements.

Page 6: Part 3.3.B. **Change** “Owner’s” to “Contractor’s”.

Page 7: Part 3.8.B. **Change** “Owner’s” to “Contractor’s”.

Page 8: Part 3.8.D. **Change** “Owner’s” to “Contractor’s”.

Page 10: Part 3.14.C.2. **Change** “Owner’s” to “Contractor’s”.

Page 13: Part 3.19.B. **Change** “Owner will” to “Contractor shall”.

Page 13: Part 3.19.C. **Change** “Owner” to “Contractor”.

Page 13: Part 3.19.D. **Change** "Owner's" to "Contractor's".
Page 13: Part 3.19.E. **Change** "Owner's" to "Contractor's".
Page 13: Part 3.19.F. **Change** "Owner's" to "Contractor's".
Page 13: Part 3.19.G. **Change** "Owner's" to "Contractor's".

12. Section 32 12 16, Asphalt Paving

Page 5: Part 3.10.A **Change** "Owner will" to "Contractor shall".

13. Section 32 93 00, Exterior Plants

Page 1: **Add** "B" to part 1.2 as follows:

B. This specification section only applies to Dayton Learning Center.

B. DRAWINGS - PLEASANT VALLEY ELEMENTARY SCHOOL:

CIVIL

1. C2.0 (Drawing Reissued)

Revise General Note 15, Concrete & Asphalt Note 1, and Drainage Notes 3 & 4 to reference Contractor's Inspector in place of Owner's Inspector or Engineer Inspector.

ARCHITECTURAL

2. PH1.1 (Drawing Reissued)

Revise drawing to incorporate locations of temporary partitions and doors.

3. AS1.1 (Drawing Reissued)

Revise drawing to show locations of grease interceptors and to relocate note.

4. D1.1 (Drawing Reissued)

Delete plenum separation in a portion of main corridor as it does not exist.

5. D1.3 (Drawing Reissued)

Delete plenum separation in a portion of main corridor as it does not exist.

Revise note to read "(E) BACKBOARD AND HOOP TO REMAIN, TYP FOR ALL IN THIS ROOM"

6. A2.1

Add the following General Door Note: "TEMPORARY DOORS: Temporary doors in temporary smoke partitions shall have a latch and spring closing (or door closer). Temporary doors are to include smoke seals and are to facilitate egress where required through the work zone by building occupants in case of emergency."

7. A6.5, Elevations 7, 8, 9 and 10 (Drawing Reissued)

Revise elevation height to 5'-9" for the Acoustical Wall Panel and correctly depicted trim

8. A8.1 (Drawing Reissued)

Add detail "PARTITION TYPE T" for temporary partitions.

9. A9.1

Change notes on details 1, 5, 6, 7 and 12 from "INTERIOR FINISH – PLAM (PL-3)" to read "WHITE MELAMINE INTERIOR FINISH"

INTERIORS

10. F0.1 (Drawing Reissued)

Revise Finish Schedule to match Finish Plan for Rooms, B52, P7, P7D and P8.

PLUMBING

11. P0.2 (Drawing Reissued)

Add Detail 3 GREASE INTERCEPTORS DETAIL.

12. P2.2 (Drawing Reissued)

B1 Foundation Plan extended to show the location of (2) 500 gallon grease interceptors serving Kitchen area B2.

MECHANICAL

13. M0.1

Refer to the GENERAL NOTES (APPLICABLE TO ALL EQUIPMENT NOTE SHEETS). **Add** the following:

13. Chiller and boiler capacity based on 30% propylene glycol solution.

14. M5.1

Refer to the Rooftop Air Conditioning Unit Details. **Delete** the following, "VIBRATION ISOLATION RAIL ON PAC UNITS 10 TONS & LARGER".

ELECTRICAL

15. E0.1 (Drawing Reissued)

Revise Monitor Outlet description as follows:

"MONITOR OUTLET WITH ONE (1) NL4 NEUTRIK CONNECTOR AND SPEAKER CABLE EXTENDED TO SOUND SYSTEM AMPLIFIER"

16. E4.1 (Drawing Reissued)

Revise Monitor Speaker Box to Monitor Speaker Jack on stage at Cafeteria P9 in two (2) places.

17. E4.2 (Drawing Reissued)

Add two (2) data drops in room TDT Counseling P20.

C. DRAWINGS - DAYTON LEARNING CENTER:

ARCHITECTURAL

1. A9.1

Change notes on details 2 and 10 from "WHITE MELAMINE INTERIOR FINISH" to read "INTERIOR FINISH – PLAM (PL-3)"

Change note on detail 7 from "INTERIOR FINISH" to read "WHITE MELAMINE INTERIOR FINISH"

Change notes on detail 12 from "INTERIOR FINISH – PLAM (PL-3)" to read "WHITE MELAMINE INTERIOR FINISH"

MECHANICAL

2. M0.1

Refer to the GENERAL NOTES (APPLICABLE TO ALL EQUIPMENT NOTE SHEETS). **Add** the following:

11. Boiler capacity based on 30% propylene glycol solution.

ELECTRICAL

3. E0.1 (Drawing Reissued)

Add Monitor Outlet with symbol with description as follows:

"MONITOR OUTLET WITH ONE (1) NL4 NEUTRIK CONNECTOR AND SPEAKER CABLE EXTENDED TO SOUND SYSTEM AMPLIFIER"

4. E3.1 (Drawing Reissued)

Add two (2) monitor speaker jacks in Multi-purpose (Gym/Caf) 115.

Add two (2) data outlets in room Support/Serving Line 117.

Add one (1) data outlet in room Teacher Workroom 113 for telephone.

D. DRAWINGS - JOHN WAYLAND ELEMENTARY SCHOOL:

CIVIL

1. **C2.0** (Drawing Reissued)

Revise General Note 15, Concrete & Asphalt Note 1, and Drainage Notes 3 & 4 to reference Contractor's Inspector in place of Owner's Inspector or Engineer Inspector.

ARCHITECTURAL

2. **A2.1**

Change door height dimension for door type C to be 3'-6". Omit sill height and instead refer to detail 8/A4.1.

3. **A6.5** (Drawing Reissued)

Revise Music Room elevations to show locations, size and quantity of acoustical wall panels

4. **A6.7** (Drawing Reissued due to miss print)

5. **A7.5** (Drawing Reissued)

Revise Cafeteria elevations to show locations, size and quantity of acoustical wall panels

6. **A9.1**

Change notes on details 1, 5, 6, 7 and 12 from "INTERIOR FINISH – PLAM (PL-3)" to read "WHITE MELAMINE INTERIOR FINISH"

INTERIORS

7. **F0.1** – (sheet reissued)

Revise Finish Schedule to sort by room number and added missing information for Stem and Resource 3 and changed ceiling types for toilet rooms and locker rooms.

PLUMBING

8. **P2.1** (Drawing Reissued)

Revise Foundation Plan to indicate (2) 500 gallon grease interceptors as specified.

MECHANICAL

9. **M0.1**

Refer to the GENERAL NOTES (APPLICABLE TO ALL EQUIPMENT NOTE SHEETS). **Add** the following:

13. Chiller and boiler capacity based on 30% propylene glycol solution.

10. **M5.1**

Refer to the Rooftop Air Conditioning Unit Details. **Delete** the following, "VIBRATION ISOLATION RAIL ON PAC UNITS 10 TONS & LARGER".

ELECTRICAL

10. **E0.1** (Drawing Reissued)

Revise Monitor Outlet description as follows:

"MONITOR OUTLET WITH ONE (1) NL4 NEUTRIK CONNECTOR AND SPEAKER CABLE EXTENDED TO SOUND SYSTEM AMPLIFIER"

11. **E4.1** (Drawing Reissued)

Add two (2) pull stations, one (1) fire alarm and one (1) speaker to Hall B38H.

Add one (1) data outlet in room Waiting/Administration Y5.

12. **E4.2** (Drawing Reissued)

Add "S" designation to four (4) speakers in Gym Y14.

Add one (1) monitor speaker jack in Gym Y14.

13. **E4.3** (Drawing Reissued)

Add one (1) data outlet in room Resource 4 G33.

Add one (1) data outlet in room Books 3 O57.

14. E6.2 (Drawing Reissued)

Add two (2) spare 3 pole 100 amp breakers to panelboard LRDP.

Add one (1) spare 3 pole 225 amp breaker to panelboard LRDP.

Add 20 spare 1 pole 20 amp breakers to panelboard LRDP.

Revise panelboard key.

15. E6.3 (Drawing Reissued)

Add panelboard MDP to sheet and revised panelboard key.

E. CLARIFICATIONS - PLEASANT VALLEY ELEMENTARY SCHOOL:

1. Drawing A8.2

The space prior to detail 12 is purposely left blank.

F. CLARIFICATIONS – PVES, DLC & JWES:

1. Section 06 41 00, Architectural Wood Casework

“Semi-Exposed” surfaces are permitted to be White Melamine.

2. Section 11 66 23, Athletic Equipment

Part 1.3.C.: PE stamped drawings are to be signed by an engineer registered in the state of installation.

3. Specification Section 12 66 00:

Contractors may substitute an un-ballasted, fully adhered EPDM roof system for the currently specified ballasted loose laid EPDM roofing system. Membrane thickness as well as all other specified roof system parameters must be the same for the un-ballasted, fully adhered EPDM roof system as currently specified.

G. MANUFACTURERS:

1. Section 09 84 13, Fixed Sound-Absorptive Panels

Part 2.2.A, **Add** the following manufacturer:

7. Working Walls Solutions, Inc. (Super High Impact APS-3): www.workingwalls.com

END OF ADDENDUM #1