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WAYNFLETE LOWER SCHOOL - ADDENDUM #4 [post bid]

date: Friday, March 31, 2017
project: Waynflete Lower School Addition & Renovations, 2013-0050
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Subject: Addendum #4 to Bid Documents of January 12, 2017

ADDENDUM #4

This addendum revises the Drawings and/or Specifications as described below and becomes a part of the Contract Documents. The contractor will be held to do all work required for the full completion of the work described, including all work incidental thereto or necessary to complete the work properly, even though not specifically mentioned. The original General Conditions shall govern all work unless specifically exempted or modified herein.

This Addendum consists of the following:

Addendum #4	7 pages
Additional Information:	
VE Item 10b – Alternate Lighting Package (WRC Submission)	2 pages
Specification Sections:	
073113 - Asphalt Shingles	6 pages
New Sheets:	4 sheets
A111, A112, A113, A114	
Revised Sheets:	9 sheets
A201R, A202R, A511R, A512R, A532R, E000R, EP101R, EP102R, EP501R	

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Sketches:

SKA-08R, SKA-09

3 pages

31 total pages

Indicate receipt of this addendum on the Proposal/Bid Form where indicated.

QUESTIONS:

- 4-Q1 Question 1 Q: The 28'0" & 44'0" track lengths given on sheet A131 don't correspond with the room dimensions?
A: On sheet A131, Alternate No. 5 Detail RCP
Revise: "OVERHEAD TRACK
B: 28' IN LENGTH, (4) PANELS 4' X 7' " to say "OVERHEAD TRACK B: 36' IN LENGTH, (4) PANELS 4' X 7'". [Answered via e-mail 2/14/2017]
- 4-Q2 Question 2 Q: Referencing the operable partition Alternate #5 at Innovation Space 017A: The panels are noted at 4'x7'. Is the panel and track height 7'0"? The ceiling height in the area is 10'0"?
A: The panel height is to be at 8'-0. The track is to be recessed in the ceiling per the detail shown on A131. [Answered via e-mail 2/14/2017]
- 4-Q3 Question 3 Q: Referencing the operable partition Alternate #5 at Innovation Space 017A: Do all the panels get whiteboard finish or just the (6) as noted?
A: All panels are to have white board finish each face.
[Answered via e-mail 2/14/2017]
- 4-Q4 Question 4 Q: Referencing the operable partition Alternate #5 at Innovation Space 017A: Specs call for markerboard on one side and "tackable" vinyl wallcovering on the other.
A: Tackable vinyl wall covering not applicable to moveable visual display board panels at Innovation Space. Please see basis of design spec below:

"2.02 MATERIALS

A. Product to be top supported Series 631 individual, omni-directional panels as manufactured by Hufcor Inc. or approved equal.

1. Panels shall be nominally 3" thick and 48" in width and 84" in height

2. Custom white markerboard panel faces shall be laminated to appropriate substrate

3. Frames shall be of 16 gauge [1.42mm] painted steel with integral factory applied aluminum edge without trim for monolithic look, painted white to match white markerboard panel

4. Sound seals not required

5. Horizontal seals not required: panel is to be suspended on track and will not make contact at floor or track

6. Horizontal trim shall be of aluminum

B. Weight of the panels shall be 5.7-10.2 lbs. per sq. ft.

C. Suspension system:

1. Track shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6. Track design to be Type 26, omni-directional w/ suspension from concrete deck.

Track shall provide precise alignment at the trolley running surfaces and provide integral support for adjoining ceiling. Track shall be connected to the structural support by pairs of minimum 3/8" [10] dia. threaded steel hanger rods.

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Pairs of rods are directly attached to the track, no single point attachment allowed. L, T, or X intersections shall be factory assembled and welded.

a. Each panel shall be supported by two 2-wheeled counter-rotating horizontal carriers. Wheels to be of precision ground steel ball bearings with heat treated and hardened races encased with molded polymer tires.

2. Provide custom threaded 24" stem extensions from track mount to panel.

3. Plenum closure (by others): Design of plenum closure must permit lifting out of header panels to adjust track height. Plenum closure required for optimum sound control of partition.

D. Finishes

1. Face finish shall be white marker board w/ magnetic backing

2. Exposed metal trim and seal color shall be custom powder coated: white

3. Aluminum track shall be clear anodized

E. Available Accessories/Options

1. Custom Inset eraser / marker pocket

2. Finished end cover (see above)

2.03 OPERATION

A. Panels are manually moved from the storage area, positioned and set. "

[Answered via e-mail 2/14/2017]

4-Q5	Question 5	Q: Referencing the operable partition Alternate #5 at Innovation Space 017A: If tackable vinyl, is a gypsum backer acceptable for tackable or do they want 1/8" or 1/4" cork backer on the gyp to serve as tackable? A: Please see above. <i>[Answered via e-mail 2/14/2017]</i>
4-Q6	Question 6	Q: Please confirm whether Floor Tile PT-2 2"x2" Mosiac Sheet is to be used as the cove base? A: Please see SKA-08, Revised Finish Schedule attached.
4-Q7	Question 7	Q: Please clarify 212 Spanish Office - CPT-1 on Schedule or CPT-2 as shown on the Plan? A: 212 Spanish Office is to be CPT-1 per schedule.
4-Q8	Question 8	Q: Please clarify 211 – Classroom – PT-1/CPT-1 on Schedule or PT-3 on Plan? A: 211 Classroom is to be PT-3. CPT-1 to be area overlay, location to be determined with client as FF+E selection is determined, 150 SF assumed.
4-Q9	Question 9	Q: Please clarify 204, 204a – CPT-1 on Schedule or PT-3 on Plan? A: Please see SKA-08, Revised Finish Schedule attached.
4-Q10	Question 10	Q: Please clarify S12 Stair – PT-3 on Schedule or RT-2 on plan? A: Please see SKA-08, Revised Finish Schedule attached.
4-Q11	Question 11	Q: Please clarify the rigid insulation on the foundation walls. Wall Assembly #3 indicates 6" of rigid. Wall section 2/A311 indicates thicker insulation at the upper portion of the wall and less insulation down low on the wall. Which foundation walls have 6" of rigid and which have 3"? What is the insulation thickness between the excavation support system and the concrete foundation wall?

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A: Update to Addendum 3, Item 3-D3 revision on Sheet A311,

Under Wall Assembly #3:

Delete: "6" Rigid Insulation (R-37.5)"

Add: "4" Rigid Insulation (R-20)"

- 4-Q12 Question 12 Q: Please clarify extent of battery powered shades.
A: Please see SKA-09, Motorized Shade Clarification.
- 4-Q13 Question 13 Q: Please clarify requirement for wood strapping at fiber cement panels.
A: Per James Hardie Product Data, "the fastener chosen must be fully encompassed by a wood substrate - the furring may count as all or part of the necessary penetration if it has been proven that the furring and/or wood substrate has the same or better holding power as a timber stud." See manufacturer's recommendation for fastener depth.
- 4-Q14 Question 14 Q: Please clarify requirements for Founders Roofing:
A: Please see below as well as 4-S1:
ROOF ASSEMBLY #3 (U-MAX - 0.051) [FOUNDERS HALL]
- EXTERIOR
 - NEW SHINGLE ROOFING
 - ROOFING UNDERLAYMENT
 - PROVIDE CONTINUOUS ICE AND WATER SHIELD OVER ENTIRE ROOF SURFACE
 - (ALT FOR PRICING: PROVIDE MIN. 3 FT COVERAGE OF ICE AND WATER SHIELD AT ALL ROOF EDGES, RIDGES, VALLEYS, WALL FACES AT CONCEALED RAKE ENDS AND FULLY COVERING ALL LOW SLOPE ROOF AREAS)
 - EXISTING SHEATHING, WHERE SOUND (UNSUITABLE SHEATHING TO BE REMOVED AND REPLACED)
 - MECHANICAL PLENUM AND OPEN AIR SPACE
 - 11" MIN. OF MINERAL WOOL BATT INSULATION, INSTALLED IN 2 LAYERS, PERPENDICULAR
 - FINISH CEILING ASSEMBLY (REINFORCE HANGING FRAME AS NEEDED TO SUPPORT WEIGHT OF INSULATION)
 - INTERIOR
- 4-Q15 Question 15 Q: Please clarify the requirement for concrete duct casing.
A: All primary and secondary electrical conduit below paved vehicular ways are to be encased in concrete. See paragraph 3.5.J of Section 260543 for requirements for concrete encasement. All other conduit to be installed per detail 57 on ES-101.
- 4-Q16 Question 16 Q: Please consider proposed VE Item 10b alternate lighting package:
A: The submitted Lighting package is to be incorporated as a basis of cost for the bid as accepted by the client's agent. Performance review of fixtures and lighting controls in relation to project requirements, as well as MAB review, is pending. Revisions required to meet performance requirements of the project at the time of bid may be subject to a change order.
- Please see additional comments from Electrical Engineer below. Formal review pending:
- Type R1 is not included in submitted package.
 - Types R6 and R7 lumen output is nearly double that of the specified fixture. Is a lower-output version available?

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- Type U1: Provide with ML medium-lumen output.
- Type W1: Indirect lumen output is nearly double that of the specified fixture. Is a lower-output version available?
- Lighting controls shall provide control operation as described on the drawings for each space.

SPECIFICATIONS:

- 4-S1 Section 033530 Per WRC bid substitution request under Part 2, 2.1 Material:
Delete: "Ashford Formula"
Add: "Consolideck LS Sealer"
- 4-S2 Section 072726 Per accepted post-bid VE Item 1, under Part 1, 1.6.A.1 :
Delete: "1. Installer shall be licensed by ABAA according to ABAA's Quality Assurance Program and shall employ ABAA-certified installers and supervisors on Project."
- 4-S3 Section 073113 **Add** attached Section 073113 – Asphalt Shingle to Project Manual
- 4-S4 Section 074213 Per WRC bid substitution request, under 1.9.B.2:
Delete: "Finish Warranty Period: 20 years from date of Substantial Completion"
Add: "Finish Warranty Period: 35 years from date of Substantial Completion"
- Under Part 2, 2.B.1:
Delete: "a. Metal Sales Manufacturing Corporation: MiniBatten 1" Commercial"
Add: "a. Englert B4000 standing seam wall panels"
- Under 2.2.B.3:
Delete: "a. Nominal Thickness: 22 gage"
Add: "a. Nominal Thickness: 24 gage"
- 4-S5 Section 074646 Per VE directive, Under Part 2, 2.2 Fiber-Cement Siding, 1. Basis of Design Product:
Delete: "Reveal 2.0"
- Delete:** "d. Thickness: 7/16 inch"
Add: "d. Thickness: 5/16 inch"
- Under B. Metal Trim, 1. Material:
Add: "Aluminum trim to be factory primed, topcoat applied in field to match panel."
- Note:** Typical panel sizes are 1'-0"H, 1'-6"H, or 2'-0" H by 8'-0" wide.
- 4-S6 Section 075323 Per WRC bid substitution request, under 2.7.3:
Delete: "3. Product:
a. Hickman: Extruded TerminEdge Roof Edging.
b. Metal-Era: Anchor-Tite Fascia System.
c. Provide face size as indicated on the drawings."
- Note:** Material will be custom shop fabricated.
- 4-S7 Section 076100 Per WRC bid substitution request, under 1.9.B.2:
Delete: "Finish Warranty Period: 20 years from date of Substantial Completion"
Add: "Finish Warranty Period: 35 years from date of Substantial Completion"
- Note:** Proposed product is Englert S2000 standing seam panels. Custom, shop fabricated roofing accessories are assumed.

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4-S8 Section 083323 Per WRC bid substitution request, under 2.3.K.1:
Delete: "Powder-Coated"

4-S9 Section 085313 Per WRC bid substitution request, under Part 2, 2.1.A.1:
Delete: "U-PVC Series, Arcade by Intus Windows"
Add: "U-PVC Series, IsoStar by Unilux"

Under 2.4 Glazing, Subparagraph B:

Delete:

1. Product: ClimaGuard nrG by Guardian. (Eforte glazing No. 1)
2. Overall Unit Thickness: 2 inch.
3. Thickness of Each Glass Lite: 4.0 mm or 6.0 mm for larger spans.
4. Outdoor Lite: Float glass.
5. Interspace Content: Argon.
6. Middle Lite: Extra Clear Float glass.
7. Interspace Content: Argon.
8. Indoor Lite: Float glass.
9. Low-E Coating: Pyrolytic on second and fifth surfaces.
10. Visible Light Transmittance: 0.733
11. U-Value: 0.106.
12. SHGC: 0.620"

Add:

1. Product: ClimaGuard Premium 2 by Guardian. (IsoStar WSG 0.5)
2. Overall Unit Thickness: 2 inch.
3. Thickness of Each Glass Lite: 4.0 mm or 6.0 mm for larger spans.
4. Outdoor Lite: Float glass.
5. Interspace Content: Argon.
6. Middle Lite: Extra Clear Float glass.
7. Interspace Content: Argon.
8. Indoor Lite: Float glass.
9. Low-E Coating: Pyrolytic on second and fifth surfaces.
10. Visible Light Transmittance: 0.53 fixed / 0.46 tilt-turn
11. U-Value: 0.15
12. SHGC: 0.35 fixed / 0.31 tilt-turn"

Note: Where Safety glass or tempered glass is required by code, or is otherwise called for in documents, provide clear PVB laminated interlayer on panes 1 and 3, typical."

4-S10 Section 108000 Per WRC bid substitution request, under Part 2, 2.2 Column Covers:
Delete: "A. Series E"
Add: "A. Series SD"

Note: WRC to propose method of attachment of Series SD cover to structural steel columns. WRC to propose alternate insulation to spray foam insulation in cavity.

4-S11 Section 230700 Per accepted post-bid VE Item 9, under Part 3, 3.7.L:
Add: "Provide refrigeration line set piping for the VRF system, as approved by VRF manufacturer."

4-S12 Section 230900 Per accepted post-bid VE Item 6, under Part 3, 3.4.B:
Delete: "The Control System Contractor shall provide 40 hours of comprehensive training in two separate sessions (80 hours total) for system orientation, product maintenance and troubleshooting, programming and engineering, if not provided under a previous contract at the site using the same brand and type of controllers within the previous 3 years."

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- 4-S13 Section 230993 Per accepted post-bid VE Item 7, under Part 2, 2.2.D:
Delete: Peak Demand Limiting (PDL) section in its entirety.
- Note:** The VRF system shall monitor the building electrical demand KW. During a restart or morning warmup, the KW demand must be limited to not exceed the peak KW demand for the previous 12 months. Provide a PDL program to limit the consumption of electricity to prevent electrical peak demand charges.
- 4-S14 Section 238126 Per accepted post-bid VE Item 8, under Part 3, 3.3.A:
Delete: "A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections."

DRAWINGS:

- 4-D1 Sheet A131 At "Exterior GWB Soffit" Note:
Add: ": Provide level 5 finish skim-coat over sheathing, typical. Provide V-groove vinyl trim at control joints"
- 4-D2 Sheets A523,
A525
A536
A528 At classroom interior elevations all instances of this note:
Delete: "Dry erase paint surface, final extents to be coordinated w/ architects"
- 4-D3 Sheet A601 Under General Notes related to the Door and Frame Schedule:
Add: "5. All paired doors with combination 3'/2' doors, the 2' leaf shall be inactive with use of egress hardware"

SKETCHES:

- 4-SK-01 SKA-08R Revised Finish Schedule [A142R, A143R] [Issued 2/16/2017],
[Revised 3/31/2017 per accepted post-bid VE Items 2,3,4,5]
- 4-SK-02 SKA-09 Motorized Shade Clarification [Issued 2/22/2017]