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Addendum No. 1

Date: 02/22/18

Project:	New Cold Storage Building for the Perrysburg Department of Public Utilities
Project Location:	211 East boundary, Perrysburg, Ohio 43551
Architect's Project No.:	1637

This addendum supplements and amends the original drawings and specifications and shall be taken into account in preparing proposals and shall become part of the Contract Documents.

1) Drawings appear to show an existing Storm sewer running under the building between two storm manholes. There is **NO** storm line connecting the North and South manholes.
2) Clarification: Concrete Apron around the building: Base bid is a concrete apron at the 5 garage doors and the two man doors with the balance of the perimeter of the building where disturbed to be 4" asphalt / 8" compacted select fill. The Alternate is to replace the asphalt with a 5' wide concrete apron in all areas of the perimeter not covered by the base bid aprons in front of all door openings. If Concrete Apron Alternate is accepted: any area disturbed beyond 5'-0" from the building shall be patched with the 4" asphalt / 8" compacted select fill.
3) Clarification: Base Bid Roof is to be standing seam as called out on drawings and in specification Section 13121 Pre-Engineered Wood Building Systems, Article 1.4.C.3.e.2 (as being equal to): Roof Panel: ECP 26GA AZ50 SMP ("Eclipse" standing seam panel) . Intent is for color of the standing seam roof to match as closely as possible the existing adjacent roof.
4) Clarification: Roof Alternate: Section 13121, Article 2.3.A: Metal Roofing: Equal to: UNI-RIB 28ga AZ50 SMP as manufactured by Lester Building Systems. This Alternate shall be bid under "Substitutions" on the Bid Sheet.
5) Roof Rake: Roof rake trim shall match fascia.
6) Trench Drain Vent: Vent is shown on drawing A2 and labelled as "2" vent up to 3" VTR" (Vent Through Roof)
7) Siding Color: Match the adjacent building siding color.Trim to match adjacent building color.
8) Exit Emergency Light Combo: Combination Exit / Egress light, wall mounted, single face as required, 6 inch red letters in white stencil face. Poly carbonate housing, arrows as required, 5 watts max per face, with two hi-intensity adjustable flood light heads, universal mounting canopy with built in 90 minute extra capacity battery backup. May include as part of this fixture (in place of the standalone egress light) an outdoor weather proof remote floodlight head where shown on plan. Lithonia LHQM-SW3R-HO/ELA-NX-HO606-REV or equal.
9) Pre-Engineered Wood Building: It is the requirement of this project that the building be a pre-engineered building system with design of all component parts to be by building manufacturer as well as providing manufacturer's warranty on the building. The structural design of the building shall be by an Ohio registered Engineer, be compliant with the 2017 Ohio Building Code and Design Engineer shall affix his Ohio Engineer seal on all the building and detail drawings. At the award of the contract the successful building manufacturer shall provide the structural loads of the building to be transferred to the building foundation and provide 4 sets of Ohio Engineer sealed drawings for submittal to the Wood County Building Department within 3 weeks maximum.
   ***Any proposed substitution / alternative building that is not a manufacturer's pre-engineered building system shall provide the engineering design and include all building structural calculations, details and engineering fees required for a complete structure in the proposed substitution / alternative price including an Ohio Engineers seal on all drawings submitted and Warranty for the building.
   NOTE: it is the intent of the Owner to insulate the ceiling in the future. Design of the building shall include a 10 lb. ceiling load to accommodate same.
10) Wood Building Clarifications:
    A. Building manufacturer shall include his standard soffit, fascia and rake trim in the building package. Trim is to match the roof color. See Item 3 above.
    B. The returns at the door openings shall be 1x cedar boards – not the horizontal siding as it appears in several of the building sections.
    C. The 2' x 4' access panels shown shall have double 2x6 ceiling purlins @ north and south ends and a double 2x6 header opposite the main truss side. Provide "J" mold trim around both the adjacent opening panels and the access panel itself. All headers are flush with bottom of main trusses. Panels are screwed to structure.
    D. Specification: See Attached page for Revised Structural Loading requirements: 13121-2
        1. Section 13121, Article 1.4.C.2. Supercedes this Section and Cover sheet loading as applicable.

Attachment: Structural Requirements, Specification Page 13121-2

END OF ADDENDUM No. 1

b. Maximum Width: 60 feet.
c. Maximum Clear Height: 20 feet.
d. Columns: Bolt to foundation.
e. Purlins: Manufacturers' standard configurations or recessed between trusses on galvanized steel joist hangers.

B. Dimensions:
1. Width: 60 feet 0 inches, outside to outside of primary or secondary wall framing.
2. Length: 100 feet 0 inches, outside to outside of primary or secondary wall framing.
3. Height: 20 feet 0 inches, clearance from top of floor to underside of truss or rafter.
4. Roof Slope: 4:12 (units of rise per 12 units of run).

C. Structural Requirements:

1. Building Code: Ohio Building Code (OBC), International building Code (IBC) and ASCE-7, current edition.
2. Design Loads: Wood County Ohio, inside City Limits

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a. Ground Snow Load: 37.7 psf
b. Ground Exposure Factor: C
c. Roof Snow Load: 25.1 psf
d. Roof Dead Load: 4 psf
e. Truss Bottom Chord: 10 psf - Design Bottom Chord for Ceiling
f. Wind Load: Ultimate Wind speed 115 V*ult* - OBC Chapter 1609.3
g. Equivalent Wind speed: 90.9 (Warranted wind speed: 90.9)
h. Seismic Load: Equivalent Lateral Force Procedure
i. Seismic Zone: Seismic Design Category A
j. Collateral Loads: Additional loads imposed by contract documents other than weight of building systems specified in this section.
k. Combination Loads: Comply with Ohio Building Code.
l. Warranty shall allow for properly designed Snow Retention Trim on building

3. Structural Design:
   a. Perform calculations using diaphragm and/or frame analysis. Incorporate bracing as required.
   b. Comply with AF&PA "National Design Specification for Wood Construction (NDS)."
   c. Trusses:
      1) Limit deflection for live or snow loads to L/240 for trusses supporting ceilings and to L/180 for overhangs.
      2) Comply with appropriate NDS and Truss Plate Institute (TPI) standards.
   d. Metal Wall Panels: **WALL PANELS NOT REQUIRED THIS PROJECT**
   e. Roof and Ceiling Panels
      1) Design in accordance with AISI "Specifications for the Design of Light-Gauge, Cold-Formed Steel Structural Members" and in accordance with sound engineering methods and practices.
      2) Roof Panel: ECP 26GA AZ50 SMP ("Eclipse" standing seam panel)
      3) Ceiling panels equal to "Uni-Rib" Steel Panel Liner 30GA –G40 POLY
      4) Roof shall be installed over 5/8" exterior grade OSB (project requirement)
   f. Plywood or Oriented Strand Board Sheathing: Comply with APA "Plywood Design Specification."
   g. Expansion/Contraction Provisions: Design roof attachment system to allow for expansion and contraction of metal roofing, due to seasonal temperature variations, without detrimental effect to the roof panels.