**City of Dyersburg**
**Public Works Department**
**Dyersburg Farmers Market Renovation**
**Addendum 1**

**November 8, 2024**
**Addendum 1 includes the following posed questions/answers:**

Q1. Alternate #1 – What R-value or thickness of insulation is required? (Detail 2/A-401 scales at 7.5")
A1.Need to achieve an R-19 +R-11 LS.

Q2. Stairs – For the stairs and landing, is this to be for General Public or Staff use? Per the suppliers, it changes some of the configuration items.
A2. Staff use

Q3. Overhead Doors – Specs are wide open on this item.

Q3a. End stiles, Bottom Rails, and Top Rails – Two(2) sizes are specified (4" and 8")
Aa. 8'' see attached.

Q3b. Finish – Clear anodized, white powdercoat, black power coat, and custom powdercoat is specified.
A3b. OH DOORS: 100L,M,N,P,Q,R = white powder coated.
OH DOORS: 100S,T,U,U,V,W,X = black powder coated.

Q3c. Glazing – Twenty-nine(29) different types/thicknesses are specified.
A3c. Tempered Low E – see attached.

Q3d. Weather Seal – Four(4) different types are specified.
A3d. U-shaped bottom astragal with aluminum retainer – see attached.

Q3e. Operation – Three(3) different types are specified (manual, chain hoist, and electric)
Q3e. Electric – see attached.

Q3f. Track Type – Five(5) different types are specified
A3f. Follow roof pitch – see attached.

Q4 What is the expected NTP date?
A4 Unknown

Q5 The new drywell on the North side of the building looks like it will fall within the footprint of a silt fence for an adjacent project, what is the timing of the adjacent project? (see attached picture). Also, there is a pretty big grade change in this area & no Civil plans have been provided. What are the expectations for this scope? Are we to only cut the new drywell in & the existing hill is to remain as is?
A6 This construction should not overlap the ongoing project currently. Scope is only to include the new drywell.

Q7 Who is responsible for landscape patching? No notes/ landscaping plan have been provided. If by contractor, what are the limits of the scope?
A7 Patch and repair any landscape damaged during construction. Repair in kind.

Q8 What is the desired R value for the insulation alternate?
A8 Answered in Q1/A1

Q9 Please take another look at specification section 083600 – Overhead Doors. It doesn't look like any options have been selected from the general specification.
A9 Answered in Q3/A3

****Attached are the Overhead Door Specifications**

SECTION 8 36 00

OVERHEAD DOORS

1.1 SECTION INCLUDES

A. COMMERCIAL ALUMINUM DOORS

1.2 RELATED SECTIONS

A. Section 05 10 00 - Structural Metal Framing.

B. Section 09 90 00 - Painting and Coating.

C. Section 26 05 00 - Common Work Results for Electrical.

1.3 REFERENCES

A. America National Standards Institute (ANSI) / Door & Access Systems Manufacturers Association, International (DASMA):
   1. DASMA Thermal Performance Verification Program
   2. ANSI/DASMA 105 - Test Method For Thermal Transmittance And Air Infiltration Of Garage Doors.
   3. ANSI/DASMA 108 – Determination of Structural Performance Under Uniform Static Air Pressure Difference
   4. ANSI/DASMA 115 – Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure
   5. ANSI/DASMA 163 - R-Value and U-Factor As Applied To A Residential or Commercial Garage Door.

B. ASTM International (ASTM):
   1. ASTM A653/A653M - Standard Specification for Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
   2. ASTM B209 - Standard Specification for Aluminum-Alloy Sheet and Plate.
   3. ASTM B221 - Standard Specification for Aluminum-Alloy Extruded Bars, Rods, Wires, Shapes and Tubes.
   4. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
   5. ASTM E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
   6. ASTM E330 – Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
   7. ASTM E1886 – Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
   8. ASTM E1996 – Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.

C. American Architects Manufacturers Association (AMAA):
   1. AAMA 2604 – Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and

Panels (with Coil Coating Appendix).

D. Consult factory for projects requiring Buy American requirements for American Recovery and Reinvestment Act, Build America Buy America Act or American Iron and Steel Certification

1.4 SYSTEM DESCRIPTION

A. Design doors to withstand:
1. Positive and negative design wind loads in accordance with Building Code.
2. Positive and negative design wind loads of __ PSF.
3. Windborne-Debris Impact Resistance: Provide impact -protective overhead coiling doors that pass ASTM E1886 missile -impact and cyclic -pressure tests according to ASTM E1996 for Wind Zone ___ for basic protection.
4. Cycle life of 50,000 cycles.

B. Operation: Electric.

C. Track and Operating Hardware: Follow Roof/Incline pitch type.

1.5 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Shop Drawings: Indicate opening dimensions and required tolerances, jamb connection details, anchorage spacing, hardware locations, installation details, and special conditions.

C. [ Product Data ]: Provide information on components, application, hardware and accessories.

D. Closeout Submittals: Operation and maintenance data.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer shall provide an overhead door system capable of withstanding positive and negative wind loads as required by local building code for 10,000 cycles.

B. Installer Qualifications: Installer shall be authorized and qualified to install overhead door systems on the type and scope of project specified.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of all materials in accordance with federal, state and local laws.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 WARRANTY

A. Provide an original of the manufacturer's limited warranty against manufacturing defect and product workmanship.

1. Steel Sections: 10 years from date of manufacture for steel door sections used in commercial applications, under normal conditions, against splitting, cracking, rusting through or delaminating.
2. Hardware, including springs: 1 year from date of manufacture for defects in material or workmanship.
3. Aluminum Sections: 10 years from date of manufacture for aluminum door sections in commercial applications against defects in material and workmanship.
4. Aluminum Finishes: 3 years from date of manufacture for aluminum finishes against cracking, checking or peeling.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: C.H.I. Overhead Doors, which is located at: 1485 Sunrise Dr.; Arthur, IL 61911; Toll Free Tel: 800-677-2650; Fax: 217-543-4454; Email: request info (aia@chiohd.com); Web: http://www.chiohd.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 COMMERCIAL ALUMINUM DOORS

A. Aluminum Full View Door:
1. Product: Model 3297. Polystyrene Insulated Aluminum Full View.
a. Insulation: CFC-free polystyrene sized to rail profile.
b. U-Factor: 0.88 with 1/2 inch (13 mm) insulated glass.
c. Calculated R-Value: 3.07. Will vary according to glass selection.
d. Air Filtration 0.42 per ANSI/DASMA 105, ASTM E283.
2. Additional Product Features
a. Maximum Standard Door Size (WxH): 24 ft 2 inches (7.37 m) x 16 ft 0 inches (4.88 m). Larger widths not available. Consult factory for taller doors.
b. Material: Extruded 6063-T6 Aluminum
c. Thickness: 2 inches (51 mm)
d. Joints: Tongue and groove.
e. Pass door capable. Complete section 2.6.C if required.
f. Center Stiles: 2 inch (51 mm) face, thru bolted rails.
g. End Stiles: 8 inch (203 mm) face, thru bolted rails
h. Intermediate Rails: 2 inch (51 mm) by full width of section.
i. Bottom Rail: 8 inch (203 mm) by full width of section.
j. Top Rail: 8 inch (203 mm) by full width of section
k. Plank Sections: 18 inches (457 mm), 21 inches (533 mm) and 24 inches (610 mm) based on overall door height. Consult factory for custom height sections.
l. STC rating of 27.
m. Finish: While powder coat for Doors 100L, 100M, 100N, 100P, 100Q, 100R.
n. Finish: Black powder coat for Doors 100S, 100T, 100U, 100V, 100W, 100X.
o. Locking: Inside slide lock.
p. Glazing: 1/2 inch (13 mm) tempered Low E insulated.
q. Weather Seal: U-shaped bottom astragal with aluminum retainer
r. Operation: Electric.
s. Jamb Material: Steel – Sections will be 2 inches (51 mm) wider than

opening.

t. Track Type: Follow Roof Line / Incline. Available in pitch increments of 0.5 from 0.5/12 to 12/12. Consult factory if less than 15 inches (381 mm) of headroom, openings more than 300 square feet (27.9 square meters) or pitch greater than 6/12.

u. Track Appearance: Galvanized.

v. Track Size: Track mounting and size is based on door size and weight. Lower track is adjustable for weathertight fit. Optional to upgrade to clip angle or continuous when not standard. Track will be minimum 16-gauge, 0.055 inch (1.39mm) galvanized steel. Gauge will increase based on design requirements. 2-inch (51 mm) track for 2 inch (51 mm) rollers or 3 inch (76 mm) track with 3 inch (76 mm) rollers.

w. Roller Assemblies: Galvanized steel adjustable roller holders with floating hardened steel bearing rollers, located at top and bottom of each side of each section. Size and type to be determined by the manufacturer based on door size and weight.

x. Hinges: 14-gauge, 0.070 inch (1.77 mm) galvanized steel standard to 24 ft 2 inches (7.37m). 11-gauge, 0.114 inch (2.89 mm) galvanized steel standard if larger.

y. Spring Counterbalance: Helically-wound, oil-tempered torsion springs mounted on cross-header shaft supported by galvanized steel ball bearing end plates and center carrier brackets as required. Springs to be individually calibrated to each door. Spring shafts are hollow or solid based on door size and weight. Counterbalance transferred to doors via aircraft quality braided steel lift cables.

z. Spring Cycle Life: 10,000 cycles standard. Consult factory for extended life cycles up to 100,000 cycles. There are limitations based on door size and weight.

## 2.3 COMPONENTS

A. Electric Operator:
1. Externally mounted on drive side of door.
2. Power Supply: 115 Volts AC single phase.
3. Power Supply: 208/230 Volts AC single or three phase.
4. Power Supply: 460 Volts AC three phase.
5. Manually operable in case of power failure.
6. Control Station Power: 24 VDC.
7. Control Station Power: 115 VAC.
8. Control Station: Keyed Switch.
9. Control Station: Two button (Open / Close) station.
10. Control Station: Three button (Open / Stop / Close) station.

B. Safety Reversing Device:
1. Safety Device: Photoelectric sensor; detect obstruction and reverse door without requiring door to contact obstruction.
2. Safety Device: Electric pneumatic edge; detect obstruction and reverse door upon contact with pneumatic hose.
3. Safety Device: Electric edge; detect obstruction and reverse door upon contact with electric strips in vinyl housing.
4. Safety Device: Electric edge; fail-safe, self-monitoring.

C. Pass Door: Entry door incorporated into the overhead door allowing for entry and exit without opening the door. Placement of door and opening direction based on inside looking out orientation. All doors open to the outside. Not ADA compliant.

1. Overhead door requirements:
   a. Minimum Width: 5 ft 6 inches (1.68 m)
   b. Maximum Width: 14 ft 2 inches (4.32 m)
   c. Minimum Height: 7 ft 0 inches (2.13 m)
   d. Maximum Height: 18 ft 0 inches (5.49 m)
   e. Minimum Headroom: 15 inches (0.38 m)
2. Door Width: 32 inches (0.81 m).
3. Door Height: Based on stacking arrangement required for overhead door. Minimum height is 68 inches (1.73 m) and maximum height is 77 inches (1.96 m).
4. Door Placement. For side placement, door will be approximately 8 inches (0.20 m) from end of section.
   a. Left
   b. Middle
   c. Right
5. Hinge Side:
   a. Left
   b. Right
6. Door Handle:
   a. Door Latch
   b. Push Bar

## PART 3 EXECUTION

### 3.1 EXAMINATION

A. Do not begin installation until work areas have been properly prepared.

B. If preparation is the responsibility of another installer, notify Architect of unsatisfactory conditions before proceeding.

### 3.2 INSTALLATION

A. Install door assembly in accordance with manufacturer's instructions.

B. Anchor to adjacent construction without distortion or stress.

C. Securely brace door tracks suspended from structure. Secure tracks to structural members only.

D. Fit and align door assembly including hardware, level and plumb, to provide smooth operation.

E. Position head and jamb weatherstripping to contact door sections when closed; secure in position.

F. Make wiring connections between power supply and operator and between operator and controls.

### 3.3 ADJUSTING

A. Adjust to operate smoothly throughout full operating range.

### 3.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION