



**ADDENDUM NO. 2**

**DATE: 9-14-2023**

**TO: ALL BIDDERS**  
**FROM: JKF ARCHITECTURE**  
**RE: STAR Communications New Headquarters & Operations Buildings**  
Project No. 2022-17

The following corrections, clarifications, or supplemental information is to be incorporated into the Contractor(s) bid to perform the Work:

**CLARIFICATIONS:**

1. None.

**CHANGES TO DRAWINGS:**

1. See attached Atlantec Engineers Addendum No. 2; dated 9-14-2023 (1 Page).

**CHANGES TO SPECIFICATIONS**

1. Add attaches Specification SECTION 102213- WIRE MESH PARTITIONS; dated 7-15-2023 (6 Pages).

**END OF ADDENDUM NO. 2 (TOTAL NUMBER OF PAGES = 8)**

Attachments:

1. As Noted

xc:

- All Bidders
- Donna Bullard, CEO
- Jeff Nethercutt
- Johnny Eason
- Matthew Briley, PE
- Brad Felts, PE
- Patrick McCabe, PE
- Kevin Roomsburg, PE
- Steve Janowski, PE
- Plan Rooms

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**ADDENDUM NO. 2**

**DATE: 9/14/2023**

**To: ALL BIDDERS**  
**From: ATLANTEC ENGINEERS**  
**RE: STAR COMMUNICATIONS HEADQUARTERS AND OPERATIONS BUILDINGS**  
JKF Project No. 2022-17  
Atlantec Project No. 22194

The following corrections, clarifications, or supplemental information is to be incorporated into the Contractor(s) bid to perform the work:

**CHANGES TO DRAWINGS:**

1. None

**CLARIFICATIONS:**

1. All overflow drains are to terminate 12" AFG with a downspout nozzle. The downspout nozzle shall be a Zurn ZN-Z199, same size as the outlet pipe. Contractor shall include in his bid the cost to furnish and install the downspout nozzle.
2. All floor drains are to be provided with a trap primer connection as specified in the Plumbing Fixture Schedule. Additionally, the contractor shall furnish and install a MIFAB MR-500 Trap Primer, all piping, and connections as required for a complete project. The trap primer shall be connected to water piping above the ceiling in a location adjacent to the floor drain.

**CHANGES TO SPECIFICATIONS:**

1. None.

**END OF ADDENDUM NO. 2**

A circular professional engineer seal for James B. DePapa, Jr., a Professional Engineer in North Carolina, License No. 22035. The seal is stamped in blue ink and is partially obscured by a large, stylized blue signature. To the right of the seal, the date "9/14/23" is handwritten in blue ink.

## SECTION 102213 - WIRE MESH PARTITIONS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Heavy-duty wire mesh partitions.

#### 1.2 DEFINITIONS

- A. Intermediate Crimp: Wires pass over one and under the next adjacent wire in both directions, with wires crimped before weaving and with extra crimps between the intersections.
- B. Lock Crimp: Deep crimps at points of the intersection that lock wires securely in place.

#### 1.3 ACTION SUBMITTALS

- A. Product Data:
  - 1. Wire mesh partitions.
- B. Shop Drawings:
  - 1. Include plans, elevations, sections, and attachment details.
- C. Samples for Initial Selection: Manufacturer's standard color sheets, showing full range of available colors for units with factory-applied color finishes.
- D. Samples for Verification: Panel constructed of specified frame members and wire mesh. Show method of finishing members at intersections.
  - 1. Size: 12 by 12 inches.
- E. Sustainable Design Submittals:
  - 1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wire mesh items with cardboard protectors on perimeters of panels and doors and with posts wrapped to provide protection during transit and Project-site storage. Use vented plastic.
- B. Inventory wire mesh partition door hardware on receipt, and provide secure lockup for wire mesh partition door hardware delivered to Project site.

1. Tag each item or package separately with identification, and include basic installation instructions with each item or package.

## 1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of construction contiguous with wire mesh units by field measurements before fabrication.

## **PART 2 - PRODUCTS**

### 2.1 MANUFACTURERS

### 2.2 SOURCE LIMITATIONS

- A. For wire mesh products, obtain each color, grade, finish, type, and variety from single source with resources to provide products of consistent quality in appearance and physical properties.

### 2.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Wire mesh units to withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated.
  1. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft. at any location on a panel.
  2. Total load of 200 lbf applied uniformly over each panel.
  3. Concentrated load and total load need not be assumed to act concurrently.
- B. Seismic Performance: Wire mesh units to withstand the effects of earthquake motions determined in accordance with ASCE/SEI 7.
- C. Regulatory Requirements: Comply with applicable provisions in the United States Access Board's ADA-ABA Accessibility Guidelines and ICC A117.1 for doors and gates designated as accessible.

### 2.4 HEAVY-DUTY WIRE MESH PARTITIONS

- A. Mesh:
  1. 0.192-inch-diameter, intermediate-crimp steel wire woven into 2-inch diamond mesh.
- B. Vertical and Horizontal Panel Framing: 1-1/2-by-3/4-by-1/8-inch cold-rolled steel channels; with holes for 3/8-inch-diameter bolts not more than 12 inches o.c.
- C. Horizontal Panel Stiffeners: Two cold-rolled steel channels, 1 by 1/2 by 1/8 inch, bolted or riveted toe to toe through mesh.
- D. Top Capping Bars: 3-by-1-inch steel channels.
- E. Posts for 90-Degree Corners: 1-1/2-by-1-1/2-by-1/8-inch steel angles or tubes or 2-by-2-by-0.075-inch cold-rolled steel angles or tubes, with holes for 3/8-inch-diameter bolts aligning with bolt holes in vertical framing; with 1/4-inch steel base plates.

- F. Line Posts: 3-inch-by-4.1-lb or 3-1/2-by-1-1/4-by-1/8-inch steel channels; with 1/4-inch steel base plates.
- G. Floor Shoes: Metal, not less than 2 inches high; sized to suit vertical framing, drilled for attachment to floor, and with setscrews for leveling adjustment.
- H. Swinging Doors: Fabricated from same mesh as partitions, with framing fabricated from 1-1/2-by-3/4-by-1/8-inch steel channels, banded with 1-1/2-by-1/8-inch flat steel bar cover plates on four sides, and with 1/8-inch-thick angle strike bar and cover on strike jamb.
  - 1. Hinges: Full-surface type, 3-1/2-by-3-1/2-inch steel, three per door; bolted, riveted, or welded to door and jamb framing.
  - 2. Cylinder Lock: Mortise type with manufacturer's standard cylinder; operated by key outside and lever inside; mounted in lower section of door.
- I. Finish: Powder-coated finish unless otherwise indicated.
  - 1. Color: As selected by Architect from manufacturer's full range.

## 2.5 MATERIALS

- A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent.
- B. Steel Wire: ASTM A510/A510M.
- C. Steel Plates, Channels, Angles, and Bars: ASTM A36/A36M.
- D. Steel Sheet: Cold-rolled steel sheet, ASTM A1008/A1008M, Commercial Steel (CS), Type B.
- E. Steel Pipe: ASTM A53/A53M, Schedule 40, unless another weight is indicated or required by structural loads.
- F. Steel Tubing: ASTM A500/A500M, cold-formed structural-steel tubing or ASTM A513/A513M, Type 5, mandrel-drawn mechanical tubing.
- G. Panel-to-Panel Fasteners: Manufacturer's standard steel bolts, nuts, and washers.
- H. Post-Installed Anchors: Capable of sustaining, without failure, a load equal to 6 times the load imposed when installed in unit masonry and 4 times the load imposed when installed in concrete, as determined by testing in accordance with ASTM E488/E488M, conducted by a qualified independent testing agency.
  - 1. Material for Interior Locations: Carbon-steel components are zinc plated to comply with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, unless otherwise indicated.
- I. Power-Driven Fasteners: ICC-ES AC70.
- J. Seismic Bracing: Angles with legs not less than 1-1/4 inches wide, formed from 0.040-inch-thick, metallic-coated steel sheet; with bolted connections and 1/4-inch-diameter bolts.

## 2.6 FABRICATION

- A. General: Fabricate wire mesh items from components of sizes not less than those indicated. Use larger-sized components as recommended by wire mesh item manufacturer. Furnish bolts, hardware, and accessories required for complete installation with manufacturer's standard finishes.
  - 1. Fabricate wire mesh items to be readily disassembled.
  - 2. Welding: Weld corner joints of framing and grind smooth, leaving no evidence of joint.
- B. Heavy-Duty Wire Mesh Partitions: Fabricate wire mesh partitions with cutouts for pipes, ducts, beams, and other items indicated. Finish edges of cutouts to provide a neat, protective edge.
  - 1. Mesh: Weld mesh to framing.
  - 2. Framing: Fabricate framing with mortise-and-tenon corner construction.
    - a. Provide horizontal stiffeners as indicated or, if not indicated, as required by panel height and as recommended by wire mesh partition manufacturer. Weld horizontal stiffeners to vertical framing.
    - b. Fabricate partition and door framing with slotted holes for connecting adjacent panels.
  - 3. Fabricate wire mesh partitions with 3 to 4 inches of clear space between finished floor and bottom horizontal framing.
  - 4. Fabricate wire mesh partitions with bottom horizontal framing flush with finished floor.
  - 5. Doors: Align bottom of door with bottom of adjacent panels.
    - a. For doors that do not extend full height of partition, provide transom over door, fabricated from same mesh and framing as partition panels.
  - 6. Hardware Preparation: Mortise, reinforce, drill, and tap doors and framing as required to install hardware.

## 2.7 STEEL AND IRON FINISHES

- A. Powder-Coat Finish: Immediately after cleaning and pretreating, apply manufacturer's standard baked-on powder-coat finish, suitable for use indicated, with a minimum dry film thickness of 2 mils.
  - 1. Color and Gloss: As selected by Architect from manufacturer's full range.

## **PART 3 - EXECUTION**

### 3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine floors for suitable conditions where wire mesh items will be installed.
- C. Examine walls to which wire mesh items will be attached for properly located blocking, grounds, and other solid backing for attachment of support fasteners.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION OF WIRE MESH PARTITIONS

- A. Anchor wire mesh partitions to floor with 3/8-inch-diameter, postinstalled expansion anchors at 12 inches o.c. through floor shoes located at each post and corner. Adjust wire mesh partition posts in floor shoes to achieve level and plumb installation.
  - 1. Anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if indicated on Shop Drawings.
- B. Anchor wire mesh partitions to walls at 12 inches o.c. through back corner panel framing and as follows:
  - 1. For steel-framed gypsum board assemblies, use lag bolts set into wood backing between studs. Coordinate with stud installation to locate backing members.
- C. Secure top capping bars to top framing channels with 1/4-inch-diameter, "U" bolts spaced not more than 28 inches o.c.
- D. Provide line posts at locations indicated or, if not indicated, as follows:
  - 1. On each side of sliding-door openings.
  - 2. For partitions that are 7 to 9 ft. high, spaced at 15 to 20 ft. o.c.
- E. Provide seismic supports and bracing as indicated or, if not indicated, as recommended by manufacturer and as required for stability, extending and fastening members to supporting structure.
- F. Where standard-width wire mesh partition panels do not fill entire length of run, provide adjustable filler panels to fill openings.
- G. Install doors complete with door hardware.
- H. Bolt accessories to wire mesh partition framing.

### 3.3 REPAIR

- A. Repair Painting:
  - 1. Wire brush and clean rust spots, welds, and abraded areas immediately after installation, and apply repair paint with same material as used for shop painting to comply with SSPC-PA 1 requirements for touching up shop-painted surfaces.
    - a. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.

### 3.4 ADJUSTING

- A. Adjust doors to operate smoothly and easily, without binding or warping. Adjust hardware to function smoothly. Verify that latches and locks engage accurately and securely without forcing or binding.

### 3.5 PROTECTION

- A. Remove and replace defective work, including doors and framing that are warped, bowed, or otherwise unacceptable.

**END OF SECTION 102213**