



To: Prospective Bidders
From: Wold Architects and Engineers
Date: October 23, 2017
Comm. No: 173040

Subject: Addendum No. 1 for Bidding Documents for the Scott County Courthouse
Second Floor Clerks Renovations

BIDS DUE OCTOBER 27, 2017 AT 10:00 AM.

This addendum forms a part of the Contract Documents dated October 6, 2017. Acknowledge receipt of this Addendum on the space provided on the Bid Form. Failure to do so may result in disqualification of Bid.

This Addendum consists of one (1) typed sheet and attachments:
Project Manual: 08 10 00 Steel Doors and Frames
Drawings: A6.41

PROJECT MANUAL

1. **SECTION 08 10 00 STEEL DOORS AND FRAMES**
 - A. Reissued this Addendum

DRAWINGS

1. **SHEET A6.41 – DETAILS – INTERIOR**
 - A. Refer to attached Sheet A6.41 for revisions at Details B5 and B7.

END OF ADDENDUM #1

SECTION 08 10 00

STEEL DOORS AND FRAMES

PART 1: GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings, Details of Construction and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work specified in this section.

1.02 SUMMARY

- A. Section includes:

1. All hollow metal doors, doorframes and borrowed light frames.
2. Conduits and boxes in frames for powered hardware.
3. Modifications to existing frames as noted on drawings or for hardware changes.

- B. Related work specified in other sections:

1. Finish hardware – Section 08 71 00.
2. Glazing – Section 08 80 00.
3. Painting – Section 09 91 00.

1.03 QUALITY ASSURANCE

- A. Provide doors and frames complying with the SDI Standard 100-"Recommended Specifications Standard Steel Doors and Frames" and as herein specified.
- B. Obtain hardware templates from hardware supplier (Section 08 71 00) and obtain necessary hardware for factory application.
- C. Where noted on Door Schedule, provide nationally recognized testing agency label of proper classification. Label requirements take precedence over conflicting details. Advise the Architect of any conflict before fabricating work on that item is started.

1.04 SUBMITTALS

- A. Submit in accordance with Section 01 33 00.

1. Coordinate with any special conditions of anchorage. Submit door/opening schedule on shop drawings indicating relationship of door, number of room, number and function of door, such as Corridor A-13 to Lavatory A-14.

2. Shop Drawings: Include the following:
 - a. Elevations of each door design.
 - b. Details of doors, including vertical and horizontal edge details and metal thicknesses.
 - c. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
 - d. Locations of reinforcement and preparations for hardware.
 - e. Details of each different wall opening condition.
 - f. Details of anchorages, joints, field splices, and connections.
 - g. Details of accessories.
 - h. Details of molding, removable stops, and glazing.
 - i. Detail of conduit and preparations for power, signal, and control systems.
 - j. Rating of doors and frames as noted on door/opening schedule and/or Code Plan.
3. Submit documentation for UL 10C or other approved testing agency stating doors have passed UBC Standard 7-2.

1.06 PRODUCT PROTECTION

- A. Deliver doors and frames in suitable crating or packaging to prevent damage in transit and storage.
- B. Storage at jobsite:
 1. Store frames on plywood and block at least 4" above plywood, under waterproof cover.
 2. Store doors under cover in a dry area with doors set upright with ¼ inch spacers between doors. Keep doors at least 4" above ground.
 3. Do not store HM material in a manner that traps excess humidity.
 4. Materials that are rusted prior to installation may be rejected.

PART 2: PRODUCTS

2.01 MANUFACTURERS

- A. Approved Manufacturer(s): Steelcraft, Pioneer, Ceco, Curries
- B. Accompany any request for acceptance of alternative manufacturers by descriptive details or brochures demonstrating compliance with specifications, and sample frame corner.

2.02 MATERIALS

- A. Steel: Commercial quality, level, cold rolled steel conforming to ASTM A366, free of scale and surface defects. Commercial quality hot rolled and pickled steel conforming to ASTM A569 may be used at contractor's option for interior frames. Where noted, form frames of galvanized steel conforming to ASTM A526 or A527, A60 zinc coating. Gauges are as follows unless otherwise noted:
 1. Interior Frames: 16 gauge.
 2. Flush Doors: 16 gauge galvanized (exterior), 18 gauge (interior).
 3. Rough Bucks and Stiffeners: 12 gauge.
 4. Miscellaneous Trim: 16 gauge.

B. Rust-Inhibitive Primer

1. Manufacturer's standard rust inhibitive baked-on primer. Provide additional primer for touch-up.
2. Pretreat galvanized metal in accordance with paint manufacturer's recommendations.

2.03 FABRICATION

- A. Make hardware mortises and reinforcements according to templates. Provide hinge, lock, door holder and closer hardware reinforcements. Mortise, drill tap for hardware; fabricate grooves, rabbets as necessary for weatherstripping, soundstripping.
- B. Fabricate doors to a maximum tolerance of 1/16 inch from a straight edge when laid on face of door in any direction, including diagonal.
- C. Attach proper testing agency's labels as indicated on the Drawings. Provide equal labeled frames for labeled doors. Frames with glazing in rated walls must conform to UBC Standard 7.4 (hose stream test). Provide intumescent fire and smoke material for fire rated openings as required by door and frame manufacturer to comply with UL 10C, UBC Test 7-2.
- D. Clearances: Edge clearances shall be provided as follows:
1. Between doors and frame, at head and jambs - 1/8"
 2. At door sills: where no threshold is used – 5/8" maximum to finish floor surface
 where threshold is used – 1/4" maximum between door and threshold
 where required for hardware operation – as recommended by hardware manufacturer
 3. Between meeting edges of pairs of doors - 1/8"

2.04 METAL FRAMES

- A. Provide custom metal frames of the types and styles indicated on the drawings or schedules and complying with SDI 100 for materials and construction requirements.
- B. Provide metal frames for doors, transoms, sidelights, borrowed lights, and other openings, as shown on the drawings. Provide thermally broken frames at exterior wall.
- C. Miter corners on face of all frames, internally weld face and grind smooth exterior. Die coped frames at mullions and stops. Provide with floor anchors.
- D. Provide one removable and one fixed stop at perimeter of openings for glazed frames. Removable stop on secure side.
- E. Provide closed metal covers over all hardware cutouts to protect against mortar.
- F. Provide integral channel frames, subframes and stiffeners to structure where indicated or required for fastening and stiffening frames.
- G. In masonry walls, provide three (3) - 16 gauge corrugated, adjustable, slip type standard frame anchors up to 7'-6" height jamb; frames 7'-6" to 8'-0" - 4 anchors; frames over 8'-0" - 1 anchor for each 2' or fraction thereof in height. In labeled frames, anchors shall be non-removable.
- H. Provide steel spreader temporarily attached to feet of both jambs for welded frames.

- I. Provide three factory installed silencers on single door frames at strike jamb; four (two at each head) silencers on double door frames.
- J. Hinge reinforcements to have 10 gauge straps welded directly above and below each hinge pocket.
- K. Coordinate locations of conduit and wiring boxes for electrical connections with Division 26.

2.06 HARDWARE LOCATION

- A. Prepare for hardware at mounting heights and locations as recommended by the Builder's Hardware Manufacturing Association.

2.07 HOLLOW METAL PANELS

- A. Provide hollow metal panels of same materials, construction, and finish as specified for adjoining hollow metal frames.
- B. *Perforated metal panels of same material, construction, and finish as specified for adjoining hollow metal frames. Perforations to be 1/4" round on 5/16" centers with 60% open area.*

2.08 SHOP PAINTING

- A. Completely clean all frames by degreasing process, followed by one coat rust inhibitive primer equal to a salt spray test (5% solution) of 70 hours. Thoroughly prime all surfaces without runs, smears, or bare spots, and under and inside all removable stops.
- B. Completely clean all doors of impurities and pressure sand to a smooth surface and correct all irregularities with metallic putty sanded smooth. Provide one (1) spray coat of primer, baked on. Thoroughly paint unexposed inside surfaces of exterior doors, fire doors, and other doors occurring in excessive moisture area.
- C. Provide vinyl wash pre-treatment of galvanized steel as recommended by shop primer manufacturer.
- D. Provide primer for field touch up of rusted areas, splices, connections, welds and abrasions.

2.09 MODIFICATIONS TO EXISTING HOLLOW METAL

- A. Where modifications to existing doors or frames are required to accept new doors or hardware, neatly make modifications in field per hardware templates. Provide flush metal blank off plates, welded in place, ground smooth, filled with body putty, where existing hardware is removed. Or, provide new door or frame conforming to project requirements.

PART 3: EXECUTION

3.01 INSTALLATION

- A. Prime-Coat Touchup: Prior to erection sand smooth rusted, damaged, connection points and welded areas of prime coat and apply touchup primer.
- B. Securely fasten Work in place, without twists, warps, bulges or other unsatisfactory defacing of workmanship. Set plumb, level square to proper elevation true to line and eye. Set clips and other anchors with piston driven fasteners equal to Ramset or drilled-in anchors as approved. Fasten units and trim together with neat, uniform and tight joints.
- D. At steel columns and/or concrete surfaces, install sub-frame or rough bucks as specified. At steel columns use 5/16" diameter self-tapping metal screws and at concrete use expansion bolts of the same diameter. Install frame to

sub-frame and/or rough buck with countersunk self-tapping metal screws. Fill screw holes with a suitable metallic filler, sand and prime.

- E. Where field installed hardware is required, provide wood or other suitable filler to avoid drilling and tapping into mortar inside frames.
- F. For all attachments including removable stops, use flat head self-tapping screws. Drill and tap in the field for surface mounted closers, brackets, rim exit devices, door holders, and other surface hardware. At horizontal exterior surfaces, set screws with neoprene gaskets or set with caulking compound under screw head and wipe clean.
- G. All field splices to be welded and filled with body putty and ground smooth, no exposed screw heads will be accepted. Locate splices where shown on final reviewed shop drawings.

3.02 PROTECTION

- A. Protect installed hollow metal work against damage from other construction.
- B. Repair or replace all damaged work at no extra cost to Owner.

END OF SECTION 08 10 00

