



Specifications

Guild Door Replacement for the Tennessee Department of Correction (TDOC), Morgan County Correctional Complex (MCCX)

Location:

Morgan County Correctional Complex
541 Wayne Cotton Morgan Drive
Wartburg, Tennessee 37367

Facility Contact:

Marty LaRue, Facilities Maintenance Manager
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(423) 346-1423

PURPOSE:

This Invitation to Bid (ITB) issued by the Tennessee Department of Correction (TDOC), Morgan County Correctional Complex (MCCX) for the replacement of twelve (12) guild doors. Services shall include the removal of the current Left-Hand Reverse (LHR) doors, frames and locks, the replacement of the doors, frames, and the installation of all other associated hardware and accessories. The Contractor shall provide written notification to the State upon project completion and shall provide a minimum warranty of twelve (12) months on both parts and labor.

BACKGROUND:

The job site is located at the Morgan County Correctional Complex (MCCX), 541 Wayne Cotton Drive, Wartburg, TN 37887. All visitors, including the Contractor, shall notify the Facility Manager or designee prior to arrival on-site. The old doors are worn out and their existing condition has become a factor in the ability of the agency to provide a safe and secure environment. As such, it is in the best interest of the State to provide new door and sidelight window frames. All visitors, including the Contractor, must notify Facility Manager, by calling 423-346-1423 – prior to arrival on-site. The Contractor shall provide both materials and labor to remove the old door and install the new door assemblies including primer to match existing. Contractor shall remove and reinstall in the same day or make security provisions approved by Facility Manager in writing, if work needs to be spread out over a longer period.

FIELD VERIFICATION, SCHEDULE OF WORK, AND PHASING/SECURITY PLAN:

Upon award, the Contractor is required to complete the following prior to commencing construction:

1. **Field Verification Visit:** The Contractor shall visit the facility to field verify all measurements, existing conditions, and local site requirements identified in the specifications prior to fabrication and delivery of any products. Any conflicts between the field conditions and the specifications must be immediately brought to the State's attention.
2. **Phasing and Security Plan:** The security of the facility will be a primary concern and all work shall follow the TDOC policies and procedures outlined during the required field verification visit. Since these are occupied buildings, demolition on any doors to install new door frames shall not proceed until the new door, frame, and hardware are all available for immediate installation. If reinstallation of the new door and locking system cannot be completed on the same day as the removal, then Contractor shall install a temporary security door / barrier approved in advance by the Facility Manager which shall be left in place to secure the building until completion. This barrier shall be constructed of three-quarter ($\frac{3}{4}$) inch plywood and provide full coverage of the work area. The facility shall make all alternate access and exit arrangements as needed for the safety of building occupants in advance of the work. These arrangements shall be built into the Phasing/Security Plan in a way that provides for occupant use of the building during construction with adherence to the following:

The Contractor shall phase the work to be completed so that no more than three (3) buildings are under construction at one time and or no more than three (3) doors are out of service at one time. All doors once begun shall be considered out of service until acceptance by the Facility Manager is achieved.

The facility will provide a temporary or permanent sidewalk from the back door to the maintain egress and then to the front of the building during construction/ installation of the new front door.

The Contractor's proposed Phasing and Security plan shall be submitted to the Facility Manager for review and approval. Please note that the plan will not be approved unless the above referenced requirements are met.

Schedule of Work:

To ensure the safety and security of all parties, the Contractor shall be under the escort of a correctional officer always assigned by the Warden of MCCX while inside the secure perimeter of the facility. The Contractor shall work with the State to establish a schedule of work as a part of the phasing and security plan to establish the days/times that work will be performed at the facility. This is necessary so that correctional officers can be scheduled and assigned in advance to escort the Contractor. The State may refuse access to the facility and the Contractor may be turned away for work performed outside of the agreed upon schedule of work.

The Contractor shall provide updates to the facility on a weekly basis so that the schedule may be modified due to institutional operational needs or changed due to the Contractor's needs. Proposed changes to the schedule must be presented by the Contractor to the State ten (10) days in advance for consideration.

SCOPE OF SERVICES:

The Contractor shall remove the existing front door, and frame, from each detention grade guild unit. Contractor shall install the new detention grade frame, guild door and hardware complete with a security glazed vision panel. While the work is being performed, the door shall be deemed out-of-service and the Contractor shall maintain security of the area until the door is accepted and determined to be operable by the State.

The Contractor shall furnish and remove Twelve (12) existing door and frames from Twelve (12) Guild Building Entries and install Twelve (12) new 12 ga, galvanized detention grade doors and frames. Doors and frames will be prepped for Four (4) detention hinges. Contractor will furnish and install Forty Eight (48) detention mortise hinges, Twelve (12) raised pulls, Twelve (12) recessed pulls, Twelve (12) surface mount security closures, Twelve (12) Trim Protector Bar - Long Lever Handles and Twelve (12) threshold plates. New polycarbonate to be supplied and installed at each door matching existing clear opening. Locks to be supplied by facility.

All doors shall be Detention Grade 1 per ASTM F1450. Door and windows are in the same custom hollow metal frame. Door is 3'x7' with a top lite. The windows are 8'-0" x 11'-2" and will be installed per the details shown on drawing A-1 dated by TDOC.

The doors shall be 36" x 84" x 2" in size and shall be hollow galvanized steel with seamless twelve (12) gage skin and stiffened steel cores reinforced at hinges, strikes, closers, lock

pockets, etc. and edge channels welded so they are flush the with edge of the doors on all four (4) sides.

Exterior Door:

One (1) - 12 gage Hollow Metal Doors to include:

- Left Hand Reverse Door Size 3'x7' (36"x84"x2")
- 12 gage frames with 5/8" stops and 2" faces reinforced.
 - Hinge reinforcement 7 gage
 - Strike reinforcement 12 gage.
 - Prepped for Qty (4) 4-1/2" x 4-1/2" Stainless Steel Security Hinges each door.
 - Prep for series 7080MG0310 RR Brinks Locks
- 4-1/2" x 4-1/2" Stainless Steel Security Hinges and Screws (4 each)
- 24"x38" Frame and 23"x37" glass clad polycarbonate level 3 at 0.375" thick
- Stainless Steel Flush Cup Door Pull
- Stainless Steel Wrought, 1" Round Door Closures
- Trim Protector Bar – Long Lever Handle
- Field Measurement Trip Charges
- Delivery to Facilities

There shall be four (4) full mortise stainless steel hinges with security studs which shall be grade one (1) per ANSI A156.1 and ASTM F1450.

The frames shall be twelve (12) gage galvanized steel with welded seams that are punched and dimpled then anchored with post installed expansion anchors capable to sustain, without failure, the load of four (4) times the load imposed and restore door jamb to original design.

All hardware accessories shall be included with the doors, such as thresholds, stops, and closers.

All moldings shall be secured with ¼-28 hardened stainless steel security grade fasteners spaced two inches (2") from corners and eight inches (8") oc and caulked with "pick proof" security grade sealants.

Glazing panels must comply as ANSI Security 1 Grade and be mounted vertically on the strike side of the door, so the bottom of the glazing does not to exceed forty inches (40") above the finished floor.

Glazing materials shall be a minimum of 13/16" thick laminated impact resistant

glass/polycarbonate.

All operational features, hardware, and accessories shall have the approval of the facility's Key Control Staff or designated representative in writing prior to the ordering the materials.

When completed, the finished assembly shall comply with all installation tolerances indicated in HMMA 841-13 standards and meet with requirements to be considered a Detention Grade 1 door installation according to the latest edition of ASTM F 1450.

DEFINITIONS:

- a) Key Control Staff: Due to security this correctional facility has a primary staff person in charge of controlling the keys. Contractor shall verify this Key Control Staff person during field verification. All key and lock related questions are best answered by this Key Control Staff member or anyone else on staff as may be delegated by him for this project.
- b) Schedule of Delivery: This is a detailed projection by the vendor of all time needed to deliver the product to the site so the facility can plan for receiving the delivery at the warehouse dock.

CONTRACTOR DUE DILIGENCE REQUIRED:

Upon award, the Contractor is required to do two things at a minimum time frame of 20 days after award of contract.

1. Determine in advance any special security requirements will be approved by the Warden and have those approved. (Only required if installation work is planning to spread out over longer than one day)
2. Schedule of Delivery:
schedule all production dates and provide a firm delivery date to the facility within 20 calendar days.

CONTRACT TERM:

The term of the contract shall be limited to a single purchase, one time only.

PRODUCT CERTIFICATIONS AND LISTINGS AND ADHERENCES TO STANDARDS:

American Concrete Institute (ACI)

<https://www.concrete.org>

The awarded Contractor shall adhere to the following building code requirements:

ACI 304	Guide to Measuring, Mixing, Transporting and Placing Concrete
ACI 305	Hot Weather Concreting
ACI 306	Cold Weather Concreting
ACI 308	Guide to Curing Concrete

American National Standards Institute (ANSI)

www.ansi.org

The awarded Contractor shall adhere to the following specifications, test methods, and standards:

A156.1	This Standard establishes requirements for butts and hinges including cycle tests, lateral and vertical wear tests, friction tests, strength tests, finish tests, and material and dimensional requirements.
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American Society for Testing and Materials (ASTM)

<https://www.astm.org>

The awarded Contractor shall adhere to the following specifications, test methods, and standards:

F 1450	Standard test method for hollow metal swinging door assemblies for detention facilities.
C 1107	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-shrink).
E 488	Standard Test Methods for Strength of Anchors in Concrete Elements.

Hollow Metal Manufacturer's Association (HMMA)

A Division of National Association of Architectural Metal Manufacturers (NAAMM)

www.naamm.org

The awarded Contractor shall adhere to the following specifications, test methods, and standards:

841-13	Tolerances and Clearances for Commercial Hollow Metal Doors and Frames.
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