SHAFER ZAHNER ZAHNER
OFFICE OF ARCHITECTURE

AUGUST 4, 2025
GS# 320-099, EMCF CELL DOOR SYSTEM REPLACE
MISSISSIPPI DEPARTMENT OF CORRECTIONS
MERIDIAN, MISSISSIPPI

ADDENDUM NO. 1

This addendum forms part of the Contract Documents for the above referenced project. All other requirements of the original Contract Documents shall remain in effect except as specifically modified in this addendum. Bidder is to acknowledge receipt of this addendum with their bid. Failure to do so may subject the Bidder to disqualification.

1. A Pre-Bid Meeting was held on July 22, 2025. See the minutes and attachments for discussion points and other information discussed at this meeting. The Pre-Bid minutes and attachments are included as part of this addendum. The attachments include requirements for this project. The contractor will be responsible for adhering to these and all rules associated with this facility.
    a. See the attached BOB Instructions to Bidders that were discussed and are part of the minutes/addendum.
    b. See the attached Meeting Outline that was discussed and are part of the minutes/addendum.
    c. See the attached Discussion Points that were discussed and are part of the minutes/addendum.
    d. See the attached Magic Instructions to Bidders for electronic bidding requirements that are part of the minutes/addendum.
    e. See the attached Sign-In Sheet for this meeting.

2. Note that proprietary equipment, components, software, etc. is not allowed to be included in any of the work or equipment associated with this project. The intent is for MDOC to have full control and flexibility to repair, augment, alter, supplement and generally manage their control systems. This restriction against proprietary components/software includes any fees, subscription, and any other agreements or restrictions required by the installer, vendor or manufacturer. There can be no proprietary constraints that hamper maintenance or repair work by requiring specialized equipment, coding, etc. that restricts repair personnel from performing repair/modification tasks. This restriction is included in several specification sections: however, it is being clearly stated here so that there is no confusion so that nothing that is proprietary is used on or included in this project.
3. The doors, frames and transom above the doors are all to be repainted (including new door numbers) as noted on the drawings and in the notes. The contractor will also be responsible for touching up the paint on any adjacent construction, walls, etc. that are damaged during construction. For example, the bottom rail that is mounted to the wall must be removed, ground smooth and the remaining wall surface must be painted to match the adjacent wall surface.
4. Find attached a new Proposal Form (Specification Section 00 4200). This “Proposal Form” is to be used for your bid and will replace the Proposal Form originally issued in the specifications. The new Proposal Form will require the contractor to provide a unit price per door for all labor and materials to supply and install new cell doors to replace existing cell doors that are damaged. Include all costs associated with overhead, taxes, bond, insurance and otherwise as required by the

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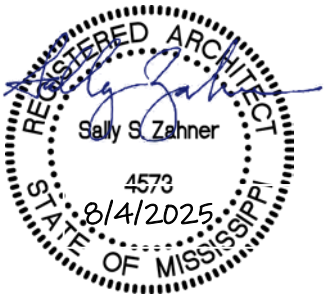
Project Manual. The Contractor is to assume the replacement of 16 cell doors (as defined and stated in specification Section 08346 Detention Hollow Metal Doors & Frames, Part 1 – General and 2.3.A.1. There is also a "door reuse note" on detail 3/A201 of drawing sheet A201 that references these doors) and include this cost in his bid. In the event that less than the replacement of 16 cell doors is required, cell doors will be removed from the contract at unit cost provided by the contractor. In the event that more than 16 cell doors require replacement, cell doors will be added to the contract at the unit cost provided by the contractor.

5. Find attached a new Specification Section 08780, "Special Function Hardware", this new specification section will replace the specification section by the same name that was originally issued with the specifications. The specific changes in this specification are:
   a. Section 1-Quality, C: The specified lock will now be Willoughby Locking Systems WLS 1520M or approved equal per Division 1 requirements.
   b. Section 2-Products, D-Additional Required Design and Features: Note the addition of 5, 6, and 7.

Approval of a Manufacturer or product as an "equal" does not in any way alter the Contract Documents. Any approved manufacturer must accommodate construction details, required finishes, owner's specific requirements, adjacent materials, etc. Any additional materials or components required by the "approved equal" for proper installation for the given conditions are the responsibility of the Contractor. Approval of a Manufacturer also shall not cause an up-charge for the desired finish or limit the choices of finishes, colors, materials, etc. Field measurement of existing conditions for the installation of items is the responsibility of the Contractor.

Contents: This addendum consists of **22** (8 ½" x 11") sheets (including this page).

End of Addendum No. 1 for: GS# 320-099, EMCF CELL DOOR SYSTEM REPLACE



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Note: Parking is limited, bidders will be required to pass through security, the official time clock is behind the receptionist's desk in the Woolfolk Bldg on the 14th floor, and no bids will be accepted after 2 pm.

GS# 320-099

Project Name: EMCF Cell Door Replace

Bid Date: Thursday, August 7, 2025

PRE-BID AGENDA
INSTRUCTIONS TO BIDDERS

SECTION 00100

PART 1 - GENERAL

1.01 **QUESTIONS:** Questions should be directed to the Professional. Should a Bidder find discrepancies in or omissions from, the Drawings or Project Manual, or be in doubt as to their meaning, the Bidder should immediately notify the Professional. The Professional will send written instruction(s) or interpretation(s) to all known holders of the documents. Neither the Owner, nor the Professional, will be responsible for any oral instruction or interpretation.

1.03 **NON-RESIDENT BIDDER:** When a non-resident Bidder (a Contractor whose principal place of business is outside the State of Mississippi) submits a bid for a Mississippi public works project, one of the following is required and shall be submitted with the Proposal Form:

A. Copy of Law: If the non-resident Bidder's state has a resident Bidder preference law, a copy of that law shall be submitted with the Proposal Form.
B. Statement: If the state has no such law then a statement indicating *the State of (Name of State) has non-resident Contractor preference law* shall be submitted with the Proposal Form.

1.08 **OBLIGATION OF BIDDER:** At tile bid opening, each Bidder will be presumed to have inspected the site, read and become thoroughly familiar with the Drawings and the Project Manual, including all addenda.

PART 2- PROPOSAL FORM

2.02 **PROPOSAL FORMS:** The Bidder shall make all proposals on forms provided and shall fill all applicable blank spaces without interlineations or alteration and must not contain recapitulation of the work to be done. No oral or telegraphic proposals will be considered.

- ***Make sure your name at Secretary of State and Contractor's Board match.***

2.06 **ADDENDA:** Any addenda to the Drawings or Project Manual issued before or during the time of bidding shall be included in the proposal and become a part of the Contract. The Proposal Form will have ample space to indicate the receipt of addenda. When completing the Proposal Form, the Bidder shall list the Addendum number, and the date received in spaces provided.

- ***Note that all addenda will be issued NO LATER THAN (48) forty-eight hrs before bid time. (Monday, August 4, at 5 pm)***
- ***Ask Professional if any addenda are planned.***

PART 4 - BID OPENING AND AWARD OF CONTRACT

4.03 **PROTEST:** Any protest must be delivered in writing to the Owner within twenty-four (24) hours after the bid opening.

- ***Do not send any protest or errors to the project professional, both must be sent to Owner.***

4.04 **ERRORS:** Any claim of error and request for release from bid must be delivered in writing to the Owner within twenty-four (24) hours after the bid opening. The Bidder shall provide sufficient documentation with the written request clearly proving an error was made.

PART 5 - BIDDER'S CHECKLIST

The following checklist is for the Bidder's assistance only. It is not inclusive and **is not a part of the bid documents**; therefore, this checklist should not be included with the Proposal Form when submitting a bid proposal.

5.01 **PROPOSAL FORM**: (only one original proposal form to be submitted) (also see 3.01 and 600.42 of Manual)

Base Bid

( ) Write in the amount of the base bid in words and numbers. The written word shall govern.

Alternates

( ) Write in each alternate's amount in words and numbers. The written word shall govern.

Addenda

( ) Acknowledge the receipt of each addendum by writing in the number of the addendum and the date received.

Acceptance

( ) Proposal is signed by authorized person

( ) Name of Business - complete spelling of bidder's name and address - exact as recorded at the Secretary of State [http://www.sos.state.ms.us/busserv/corp/soskb/csearch.asp] which should be the same as you applied for at the Mississippi State Board of Contractors [http://www.msboc.us/Search2.CFM] (see 2.07, 3.01, 5.01, proposal form)

( ) Legal address of the business listed above (at SOS and Contractor's Board)

( ) Correct Certificate of Responsibility Number(s) as it appears in the current Mississippi State Board of Contractors Roster

Certificate of Responsibility Number(s) on envelope (see below for on proposal form)

( ) Base Bid is under $50,000 and no number is required

( ) Base Bid is under $50,000 and the statement "bid does not exceed $50,000" is on the outside of the sealed envelope

( ) Base Bid is over $50,000 and number is required

( ) Joint Venture and *joint venture* number is required

OR ( ) Joint Venture participants' numbers are required

5.02 **BID SECURITY:**

( ) Included Bid Bond

OR ( ) Included Certified Check

5.03 **POWER OF ATTORNEY:**

( ) Included Power of Attorney

5.04 **NON-RESIDENT BIDDER:**

( ) Attached a Copy of Non-Resident Bidder's Preference Law

OR ( ) Attached a Statement

5.05 **SUB-CONTRACTORS NAME** **Refer to 1.04 for responsiveness**

( ) List your Mechanical and Electrical Contractors regardless of cost

* List name even for under $50,000
* Fire Protection Sprinkler Contractors do not have to be listed
* If there is a separate HVAC/Plumbing Contractor, so notate as mentioned herein
* If Mechanical, Plumbing, and/or Electrical Contractor is performed by the General, be sure the General has a COR for said discipline and list General's name on the line and COR number mentioned herein

OR * If there is no Mechanical, Plumbing, and/or Electrical Contractor, so notate "none" on the line

5.06 **SUB-CONTRACTORS' COR NUMBER** **Refer to 1.04 for responsiveness**

( ) * List Certificate of Responsibility Number for over $50,000.00 (also allowed, but not required, for under $50,000)

* If under $50,000 – so notate on the COR line "under $50,000" (or can still show COR#)

OR * If there is no Mechanical, Plumbing, and/or Electrical in Divisions 15 or 16, so notate "none" on the name line and the COR# line as mentioned herein

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GS# 320-099, EMCF CELL DOOR SYSTEM REPLACE
MISSISSIPPI DEPARTMENT OF CORRECTIONS
PRE-BID MEETING: JULY 22, 2025 @ 1:00 PM

Project Contacts: Barney Poole, Deputy Administrator-Facilities - MDOC
Heith Newman, Assistant Director – Bureau of Buildings
Warden Angelina Johnson– EMCF
Deputy Warden Derrick Smith –EMCF
Paul Jefferson – Facilities EMCF
Scott Comish, Project Manager - Shafer Zahner Zahner

Bid Date: Thursday, August 7, 2025 at 2:00:00 p.m. @ the Bureau of Building, Grounds and Real Property Management Office in Jackson, MS (see ***Advertisement For Bids, Section 00000*** for official information). Official Time is by the Bureau of Buildings. Electronic bidding is allowed (see Advertisement For Bids for RFx#). See issued addenda for any changes.

Current Bidders List: (See attached sign-in sheet for attendance)

Construction days: **340** days for project (see *Proposal Form*)
Notice to Proceed – by B.O.B. Must hold price per specifications.

Contract Administration: Architect's representative will be on site regularly and as needed.
BOB construction administrators will visit regularly.
EMCF staff is on site.
Construction Progress Meetings are held monthly as required by Division 1.
Commissioning- none on this project.

Construction Access: **All** workers, delivery persons, etc. must pass NCIC background check to enter the facility.

Weekends, Sunday work, holidays, etc.: There will be no restrictions on days of the week that work is allowed. Weekend work will be considered by MDOC with prior notice from the contractor. In the event of a lockdown, work will not be allowed for the affected period of time.

Restricted "no work" days due to events: **None Known at this time.**

Staging Areas/Fencing/Access and Construction Sign: A lockable job box will be allowed in the pods (that are emptied of inmates) that are being worked on. The job box must be locked at the end of each day with all tools locked into the box in a designated cell. The staff must be given a key to the lock on the box. Materials can be stored in the area that is being worked on and locked in that pod (the designated cell) at the end of the night. Work in the more common, general areas will be coordinated once the work begins.

Scope of work: A general discussion of the work. See discussion and/or site visit notes.

Bidding rules: Pay attention to *Instructions To Bidders* and Special Conditions
Bureau of Buildings is the owner- Contract is between BOB and Contractor.

Common mistakes: Certificate of Responsibility number on envelope. Acknowledge addenda. Fill out every item in the bid form…if it doesn't apply mark "N/A" or note otherwise.

PRE-BID DISCUSSION POINTS: GS# 320-099, EMCF CELL DOOR SYSTEM REPLACE

SEE ALL OTHER DRAWINGS, NOTES AND SPECIFICATIONS FOR ADDITIONAL, COMPLETE INFORMATION:

1. ALL EXISTING CONTROLS WILL BE REPLACED, ALTERED OR AUGMENTED TO PROVIDE A COMPLETE OPERATING CONTROLS SYSTEM FOR BUILDINGS 5 AND 6 AND THE COMMON CONNECTING CORRIDORS ASSOCIATED WITH THESE BUILDING AS SHOWN ON THE PLANS. THERE IS AN ADDITIONAL CONTROL SCREEN BEING ADDED TO THE CENTRAL CONTROL ROOM AND GRAPHIC CONTROL PANELS IN THE CONTROL TOWERS (PICKETS) OF BUILDINGS 5 AND 6. SOME OF THESE CONTROLS ARE THE MANUAL/GRAPHIC CONTROL/PUSH BUTTON TYPE; OTHERS ARE TOUCHSCREEN TYPE. SEE DRAWINGS FOR CONTROL PANEL LAYOUTS AND CONFIGURATIONS. COORDINATE THE CONTROL PANELS WITH ALL NEW AND EXISTING MILLWORK. SEE THE DESCROPTIONS OF ALTERNATES FOR ADDITIONAL WORK REQUIRED AS ALTERNATE PRICING. SEE PLANS AND SPECIFICATIONS FOR A COMPLETE DESCRIPTION OF THE WORK.
2. ALL CONTROL PANELS (BOTH GRAPHIC PANEL AND TOUCHSCREEN TYPES), WIRING, CONDUIT, PLCS, REQUIRED COMPONENTS, CONNECTIONS TO NEW/EXISTING LOCKS, ETC. ARE REQUIRED TO BE SUPPLIED AND INSTALLED FOR A COMPLETE OPERABLE SYSTEM.
3. BUILDINGS 5 AND 6 WILL HAVE THE EXISTING SLIDING DOORS TO THE CELLS IN PODS A-D OF BOOTH BUILDINGS CHANGED TO A SWINGING DOOR FUNCTION WITH NEW FRAMING ALTERATIONS AS NEEDED AND NEW SURFACE MOUNTED LOCKS (EQUAL TO WILLO WEDGE). THE CONTRACTOR IS TO RETAIN AND TURN OVER ALL REMAINING PARTS (LOCKS, DOORS, ETC.) TO THE OWNER FOR FIRST RIGHT OF REFUSAL. IF THE OWNER HAS NO NEED FOR THESE ITEMS, THEN THEY ARE TO BE DISPOSED OF BY THE CONTRACTOR.
4. THE LOCKS WILL BE REPLACED WITH NEW SURFACE MOUNTED LOCKS IN BUILDING 5 AND 6 WHEN THE DOORS ARE CHANGED FROM SLIDING DOORS TO SWINGING DOORS. THIS WILL CORRECT THE INMATE'S ABILITY TO DEFEAT THE SLIDING DOORS BY TAMPERING WITH THEM.
5. **ANY EXISTING INTERCOM SYSTEM WILL NOT BE ALTERED.**
6. THERE ARE EXERCISE CAGES IN THE EXERCISE AREAS OF BUILDING 5 AND 6 THAT APPEAR TO BE KEYED ONLY WITH PHYSICAL LOCKS. THE CONTRACTOR WILL NOT BE PERFORMING ANY WORK ON THESE. IF ANY DOORS CURRENTLY HAVE BUTTON CONTROLS OR INDICATOR LIGHTS ON THE CONTROL PANELS INDICATING THAT THE DOOR IS OPEN, THE CONTRACTOR MUST MAINTAIN THAT FUNCTION ON THE NEW PANELS
7. THE WIRING IN BUILDING 5 IS BELIEVED TO BE IN PLACE IN THE TRANSOME TO CONTROL BUILDING 5 CELL DOORS FROM THE CONTROL TOWER. HOWEVER, THE WIRING IS BELIEVED TO HAVE BEEN REMOVED FROM THE TRANSOME TO CONTROL BUILDING 6 CELL DOORS FROM THE CONTROL TOWER. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY WIRING IN THE TRANSOMS AND ALTERATERING/REPLACEING THE PLC CONTROLS IN THE EXISTING ELECTRIC/DATA ROOMS AS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DEFINED.
8. IN BUILDINGS 5 AND 6 THE EXISTING MILLWORK IN THE CONTROL TOWERS WILL RECEIVE NEW COUNTERTOPS. THE FACE OF THE EXISTING COUNTERS WILL RECEIVE NEW PLASTIC LAMINATE (SEE DETAILS). IN GENERAL; WE WILL MATCH EXISTING CONFIGURATION OF THE EXISTING MILLWORK. WE WILL ALSO BE PROVIDING NEW FINISHES IN THESE AREAS. SEE DRAWINGS AND SPECIFICATIONS FOR DETAILS.

9. **THERE IS NO ALTERATION TO ANY WINDOWS IN CONTROL AREAS.**
10. DOOR NUMBERING/IDENTIFIERS: THE DOOR NUMBERS TO CELLS AND CORRIDORS DOORS WILL REMAIN AS THEY EXIST NOW (THAT IS TO SAY THAT WE WILL NOT BE RENUMBERING THE CELLS). ALL PODS (A-D) IN BUILDINGS 5 AND 6 WILL HAVE NEWLY PAINTED DOOR NUMBERING REFLECTING THE EXISTING NUMBERNG AND AS DETAILED ON THE PLANS. THE DOORS, FRAMES AND TRANSOMS AT THE CELL DOORS ARE ALSO TO BE REPAINTED.
11. ORIENTATION OF CONTROL PANELS: THERE WILL BE 2 NEW GRAPHIC CONTROL PANELS IN EACH HOUSING UNIT TOWER (PICKETS) IN BOTH BUILDINGS 5 & 6. THESE GRAPHIC CONTROL PANELS SHALL BE ORIENTED TO ALLOW GUARD TO HAVE VISUAL CONTROL OF THE PODS THAT THE PANEL CONTROLS BY FACING THE DIRECTION THAT THE PODS ARE LOCATED (THE OBSERVED CELLS WILL MATCH THE ORINETATION OF THE PANEL DIAGRAM).
12. THE EXISTING GRAPHIC CONTROL PANELS HAVE DIFFERENT COLORED LIGHT INDICATORS. THE CONTRACTOR WILL MATCH THE EXISTING COLOR INDICATORS AND IN GENERAL PROVIDE THE EXISTING FUNCTIONS ON ALL NEW PANELS. SOME ADDTIOINAL FUNCTIONS WILL ALSO BE REQUIRED, SEE DOCUMENTS.
13. **THERE WILL BE NO WORK TO THE EXISTING CAMERAS**
14. CENTRAL CONTROL ROOM – NEW DOOR CONTROLS WILL BE PROVIDED IN THIS ROOM FOR BUILDING 5 & BUILDING 6 AND THE CORRIDORS THAT ARE ADJACENT TO THESE BUILDINGS AS SHOWN ON THE DRAWINGS. THE CONTOLS IN THE CENTRAL CONTROL ROOM WILL BE THE TOUCH SCREEN (COMPUTER SCREEN) TYPE (NOT A GRAPHIC CONTROL PANEL). THESE CONTROLS IN THE CENTRAL CONTOL ROOM FOR THIS PROJECT WILL REQUIRE A PASS CODE TO OPERATE ALL FUNCTIONS IN BUILDINGS 5 AND 6, THE CORRIDORS, MECICAL CORRIDOR, ETC.
15. ALL GRAPHIC CONTROL PANELS IN BUILDINGS 5 AND 6 WILL RECEIVE NEW LOCK OUT BUTTONS WITH FLIP-UP COVERS. THIS LOCK OUT BUTTON WILL DISABLE THE PANEL ON WHICH THE BUTTON IS INSTALLED. THESE BUILDINGS WILL ONLY BE ABLE TO BE CONTROLLED FROM THE CENTRAL CONTROL ROOM WHEN THOSE PANELS ARE “LOCKED OUT” (OR DISABLED). A RESET FUNCTION WILL BE REMOTELY LOCATED TO RESTOR THE FUNCTION OF THE DISABLED GRAPHIC CONTROL PANEL ONCE IT IS LOCKED OUT. SEE DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
16. **THERE ARE NO NEW COMPUTER MONITORS (SCREENS) RELATED TO THE CAMERA SYSTEM BEING INSTALLED IN ANY LOCATION.**
17. THE CONTRACTOR SHALL “OVERHAUL” SLIDING DOORS BY RETROFITTING THE OPERATING COMPONENTS AT EACH OF THE EXISTING SLIDING DOORS THAT WILL REMAIN AS SLIDING DOORS. THE RETROFIT OF THESE DOOR OPERATING COMPONENTS GENERALLY MEANS THAT THE WORKING COMPONENTS WILL BE RESTORED OR REPLACED. THERE ARE 7 IN EACH SECURE VESTIBULE OF BUILDINGS 5 AND 6, THERE ARE 3 IN THE CORRIDOR CONNECTING BUILDINGS 5 AND 6 (CALLED “SECURE CORRIDOR 5-6 ”), THERE ARE 4 CONNECTING EACH POD TO THE EXERCISE YARDS IN EACH BUILING 5 & 6 (FOR A TOTAL OF 8). IF THIS COUNT IS CORRECT, THERE ARE **25 TOTAL** SLIDING DOORS TO BE OVERHALED.
    - THE EXISTING HOUSING WILL BE REUSED.
    - ALL MATERIALS INSIDE THE TRANSOM WILL BE REMOVED NEW DEVICE WILL BE RETROFITTED INSIDE EXISTING HOUSING.
    - THE NEW DEVICE WILL CONSIST OF A NEW RACK AND PINION LOCKING DEVICE.
    - THE NEW DEVICE INCLUDES A NEW TRACK, WHEEL BAR UNIT WITH (RACK, CAM BAR, AND LOCKING DOGS), MOTOR MOUNT BRACKET, MOTOR, MOTOR HOLD DOWN

BRACKET, LIMIT SWITCH BRACKETS, SWITCHES, AND WIRING HARNESS, LOCK POST, RECEIVER, TOP AND BOTTOM ANGLE FOR THE EXISTING HOLLOW METAL DOOR.

- ALL LABOR TO ACHIEVE THIS SCOPE OF WORK DESCRIBED IN THESE DOCUMENTS, WIRING, CONNECTIONS, AND MISCELLANEOUS COMPONENTS THAT ARE NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM ARE REQUIRED TO BE INSTALLED BY THE CONTRACTOR.
- REPAINT THE DOORS/FRAMES BY PRIMING AND PAINTING THE DOORS AND FRAMES TO MATCH THE EXISTING FINISHES.

Construct the work in stages as follows: Discuss

a. The work related to modifying and controlling the doors in Buildings 5 and 6 shall take place first so that inmates can be moved into these areas prior to work all other areas.
b. The control panel and PLC work in the Central Control Room shall be performed after (or simultaneously) the control panel work is performed in all other areas. This will allow the facility to have maximum control over the majority of the facility from all other control panels not contained in the Central Control Room while the Central Control work takes place.

Owner will occupy the following areas throughout the Project or during portions of the Project as follows:

The entire facility will be occupied during construction. The contractor will be given 1 or 2 pods at a time that will be emptied of inmates so that the door modification work can take place in those areas. Job Boxes will be allowed in the pod(s) being worked in. The job box must be locked with a key supplied to EMCF. The locked job box will be stored in a locked cell each night and the pod will also be locked down. An inventory must be kept updated listing all materials, tools, accessories, etc. that are in the job box.

ADD ALTERNATES, WHAT WOULD THE ADDITIONAL COST BE TO:

ALTERNATE #1:

A. IN THE NORTH CORRIDOR OF BUILDING 1 - CHANGE EXISTING SLIDING DOORS 119D & 119F TO SWINGING DOORS. THIS WORK REQUIRES ALL MODIFICATIONS, ADDITIONS, OR ALTERATIONS TO THE DOOR, FRAME & WIRING AS NECESSARY FOR A COMPLETE OPERABLE SYSTEM AS DESCRIBED IN THE PROJECT DOCUMENTS. CONNECT DOORS TO NEW COMPUTER/SCREEN IN CENTRAL CONTROL.
B. ADJUST EXISTING SWING DOORS IN SECURE CORRIDOR 119, DOORS 119A & 119B. INSTALL NEW CONTINUOUS HINGES, REWORK FRAMES, REMOUNT THE EXISTING DOORS, GRIND DOORS & MAKE CORRECTIONS AS NECESSARY FOR DOOR TO OPERATE AND FIT CORRECTLY. INSTALL NEW LOCKS AND CONNECT EXISTING DOORS SO THAT IT IS CONTORLLED BY THE NEW COMPUTER/SCREEN IN CENTRAL CONTROL.
C. ALL WORK DESCRIBED FOR 5- 6 MEDICAL CORRIDOR, CONNECT EXISTING SWING DOORS 108, 113, 117,118, 120, 122, 125 & 130 TO NEW COMPUTER/ SCREEN IN CENTRAL

CONTROL. DOORS WILL REQUIRE AN ADMINISTRATIVE PASSWORD TO ACCESS THE AREAS.

ALTERNATE #2:

PROVIE AND INSTALL NEW FOOD TRAY PASS LOCKS AND KEEPERS IN BUILDING 5, POD B. TOUCH UP THE PAINT ON THESE DOORS AS NECESSARY.

ALTERNATE #3:

PROVIED AND INSTALL 6 DOUBLE-GLAZED DOORS IN BUILDING 3, DELTA POD, DOORS 1 THROUGH 6. THE WORK RELATED TO THESE 6 DOORS WILL INCLUDE (AT EACH DOOR OPENING): THE DOUBLE-GLAZED DOORS, ¾" SECURITY GLASS, 1 EACH 1710 PARACENTRIC LOCK FOR FOOD PASS, 2 EACH #3 FOOD PASS HINGE WITH STOP, 3 EACH SECURITY HINGE, REUSE THE EXISTING LOCK, REUSE THE EXISTING FRAME (AND ADJUST AND ALTER AS NECESSARY).

Clarifications:

New food tray pass locks and keepers will be installed in Building 5, Pod B only. This will be Alternate #2.

EMCF will install new glass and security mesh as necessary when the work is taking place. No new glass is being installed in any existing doors. New glass will be required in any new doors (both standard cell doors and double glazed doors).

No double-glazed doors are needed in Buildings 5 and 6. However, there will be an alternate #3 for 6 double-glazed doors to be installed in Building 3, Delta Pod. The work related to these 6 doors will include (at each door opening): the double-glazed doors, ¾" security glass, 1 each 1710 paracentric lock for food pass, 2 each food pass hinge with stop, 3 each security hinge, reuse the existing lock, reuse the existing frame (adjust and alter as necessary for proper operation).

The contractors shall "build in" to their bid the cost to replace 16 total (2 per pod) new standard doors that match the existing doors to account for any that may be damaged

Buttons on the control panels:

- **The phones are not to be controlled by the panels.**
- **The TVs are not to be controlled by the panels.**
- **There are no "call buttons" in the cells.**
- **"lock out" buttons will be provide on the panels as mentioned above.**
- **See drawings for all panel buttons and layout requirements.**

The lock supplier will supply door stops that are mounted on the door surface mounted lock housing. See specifications for a description.

The wiring is believed to exist in the transom above the cell doors in Building 5. The wiring has all been removed in building 6. So, Building 6 will require complete replacement of wiring in the transom above the cell.

Note that data wiring from the work areas included in this project back to the main control room is believed to be in place.

The 8 locks in the medical corridor are believed to be working. The locks were disconnected for security reasons and are now only controlled by key. This project will only require the locks to be reconnected to the new control panel in the central control room.

A passcode will be required for both the controls in buildings 5 & 6; the connecting corridors; and for the control of the medical corridor areas. This passcode will be required for all of the functions on the new screen that is in the central control room.

Two UPS power back-ups will be required in each tower (pickets) for a total of 4 UPS power back-ups for the project.

Division 1:

- **Contract days? 340 days**
- **Liquidated Damages will be $250.00 per day**

STATE OF MISSISSIPPI
GOVERNOR PHIL BRYANT

DEPARTMENT OF FINANCE AND ADMINISTRATION

Liz Welch
EXECUTIVE DIRECTOR

M E M O R A N D U M

TO: Contractors, through the AGC, ABC, and MBOC

FROM: Bureau of Building, Grounds and Real Property Management

DATE: May 30, 2023 (links modified)

SUBJECT: Electronic Construction Bidding per Law effective 1/1/2018

Beginning January of 2018, the Mississippi Department of Finance and Administration / Bureau of Building Grounds and Real Property Management started receiving construction bids electronically as required by House Bill 1106, Laws of 2017. Electronic bids are at the discretion of the Bidder/Supplier. Paper bids WILL STILL BE received as stipulated in the Advertisement / Request for Bids The instrument being used to carry out this is a program called MAGIC which is available to all State of Mississippi departments, agencies, and Bidders/Suppliers. (MAGIC is the State's Accounting System.)

TO BID USING MAGIC: Potential Bidder/Supplier must first register (see below). When the Bidder/Supplier registers themselves, they will automatically receive their Magic sign-in information. (The Bureau of Building, et al, can assist with this, and, if so, will notify the Bidder/Supplier by email of doing so, so they can contact Magic to get their sign-in information for bidding electronically) Construction Bidders/Suppliers who have received awards in recent years through the Bureau of Building, et al, should already have their company information properly entered. Those companies should still verify that their system "Product Code" is set to "90922" [for construction] in order to receive "system generated Bid Notices" for construction projects. (Bid Opportunities will continue to be in the newspaper, on the Magic Portal, and on the Bureau of Building, et al, web.) When registering, a company should enter their company information EXACTLY as shown per the Mississippi Secretary of State's listing and per their W9. Contact Magic at: mash@dfa.ms.gov or 601-359-1343. A tutorial is available at: http://uperform.magic.ms.gov/gm/folder-1.11.7512?originalContext=1.11.8507
(when registering, the MS SoS, MBOC, and W9 should all agree.)

HOW BIDDER/SUPPLIER REGISTERES THEMSELVES:
www.dfa.ms.gov
vendor registration (middle of the page)
down the page to State of Mississippi Supplier Registration
Complete that form
And "send" (top left or bottom of form on left)
This is the current link for the info above: https://sus.magic.ms.gov/sap/bc/webdynpro/sapsrm/wda_e_suco_sreg?sap-client=100#

TO ADD THE PRODUCT CODE 90922 once in your MAGIC Address Table click the steps below:
1. Click on Suppliers Self Service Tab.
2. Click Company Data.
3. Click the Process Button.
4. Click Add Categories in the Product Categories section
5. Add the product Categories from here (90922 for construction)

TO VIEW ADVERTISED PROJECT INFORMATION on line
1. DFA Web site
2. Supplier/Vendor
3. Mississippi Procurement Portal
4. (RFx) Procurement Opportunities and Public Notifications
5. Advanced Search Options
6. Major Procurement Category: Select Construction
7. Dept/Agency: Select MS DEPT FINANCE AND ADMINISTRATION 6. SEARCH

Another option from the DFA/BoB web site is to:
1. Select DFA Offices
2. Select Bureau of Building Grounds and Real Property Management.
3. Bid and RFP Notice
4. Construction Solicitations and Bid Tabs
5. Locate the GS# at left of the list and the RFx number at the right.

On both lists, the RFx number for each project is listed which is required in MAGIC when preparing bids.

For additional information regarding registration in MAGIC, contact MMRS at (601) 359-1343 or by email at mash@dfa.ms.gov .

/pgw

SHAFER ZAHNER ZAHNER
OFFICE OF ARCHITECTURE

GS# 320-099
EMCF CELL DOOR SYSTEM REPLACE
DEPARTMENT OF CORRECTIONS

PRE-BID MEETING, 07/22/2025

SIGN-IN SHEET

NAME	FIRM	EMAIL
Scott Comish	Shafer-Zahner-Zahner	scomish@szzarch.com
Barney Poole	MDOC	barney.poole@mdoc.state.ms.us
Heith Newman	Bureau of Buildings	heith.newman@dfa.ms.gov
Ryan Powe	Shafer-Zahner-Zahner	rpowe@szzarch.com
Jim Mayfield	Cornerstone Inc	JMayfield@cornerstoneinc.com
David Carroll	DC Services, LLC	david@dcs-build.com
Guy Nelson	Paul Jackson & Son, Inc.	guynelson@pauljacksonandson.com
Ryan Childers	rchilders@w.llo products.com	W.llo Product
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Angelena Johnson	MTC Warden	Angelena.Johnson@mtctrains.com
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Mark Boone	B&E Communications	markb@becominc.com
Andrew Godwin	B+E Communications	
Scott Pritchett	Icotech	
Dawson Pritchett	Icotech	
Paul Jefferson	EMCF	Paul.Jefferson@mtctrains.com

PROPOSAL FORM
SECTION 00 4200

To: Bureau of Building, Grounds and Real Property Management
501 North West Street, Suite 1401B [Woolfolk Building]
Jackson, Mississippi 39201

Re: Project # 320-099
Project Title EMCF Cell Door System Replace
Location East Mississippi Correctional Facility

I propose to complete all work in accordance with the Project Manual and Drawings within 340 consecutive calendar days for the sum of: (Professional must specify number of days)

BASE BID: (Write in the amount of the base bid in words and numbers. In case of conflict, the written word governs.)

Words:_____ Dollars ($_____

ALTERNATES: (Write in the amount of all of the alternates in words and numbers. In case of conflict, the written word governs.)

Alternate #1 ☑ Adds ☐ Deducts
Words:_____ Dollars
($_____)
Description
A. IN THE NORTH CORRIDOR OF BUILDING 1 - CHANGE EXISTING SLIDING DOORS 119D & 119F TO SWINGING DOORS. THIS WORK REQUIRES ALL MODIFICATIONS, ADDITIONS, OR ALTERATIONS TO THE DOOR, FRAME & WIRING AS NECESSARY FOR A COMPLETE OPERABLE SYSTEM AS DESCRIBED IN THE PROJECT DOCUMENTS. CONNECT DOORS TO NEW COMPUTER/SCREEN IN CENTRAL CONTROL.
B. ADJUST EXISTING SWING DOORS IN SECURE CORRIDOR 119, DOORS 119A & 119B. INSTALL NEW CONTINUOUS HINGES, REWORK FRAMES, REMOUNT THE EXISTING DOORS, GRIND DOORS & MAKE CORRECTIONS AS NECESSARY FOR DOOR TO OPERATE AND FIT CORRECTLY. INSTALL NEW LOCKS AND CONNECT EXISTING DOORS SO THAT IT IS CONTORLLED BY THE NEW COMPUTER/SCREEN IN CENTRAL CONTROL.
C. ALL WORK DESCRIBED FOR 5- 6 MEDICAL CORRIDOR, CONNECT EXISTING SWING DOORS 108, 113, 117,118, 120, 122, 125 & 130 TO NEW COMPUTER/ SCREEN IN CENTRAL CONTROL. DOORS WILL REQUIRE AN ADMINISTRATIVE PASSWORD TO ACCESS THE AREAS.

Alternate #2 ☑ Adds ☐ Deducts
Words:_____ Dollars
($_____)
Description PROVIDE AND INSTALL NEW FOOD TRAY PASS LOCKS AND KEEPERS IN BUILDING 5, POD B.

Alternate #3 ☑ Adds ☐ Deducts
Words:_____ Dollars
($_____)
Description
PROVIDE AND INSTALL 6 DOUBLE-GLAZED DOORS IN BUILDING 3, DELTA POD, DOORS 1 THROUGH 6. THE WORK RELATED TO THESE 6 DOORS WILL INCLUDE (AT EACH DOOR OPENING): THE DOUBLE-GLAZED DOORS, ¾" SECURITY GLASS, 1 EACH 1710 PARACENTRIC LOCK FOR FOOD PASS, 2 EACH #3 FOOD PASS HINGE WITH STOP, 3 EACH SECURITY HINGE, REUSE THE EXISTING LOCK, REUSE THE EXISTING FRAME (AND ADJUST AND ALTER AS NECESSARY).

UNIT COSTS: (Write in the amount of all of the alternates in words and numbers. In case of conflict, the written word governs.)

Unit Cost #1
Words:_____ Dollars
($_____)
Description
PROVIDE A UNIT PRICE PER DOOR FOR ALL LABOR AND MATERIALS TO SUPPLY AND INSTALL NEW CELL DOORS TO REPLACE EXISTING CELL DOORS THAT ARE DAMAGED. INCLUDE ALL COSTS ASSOCIATED WITH OVERHEAD, TAXES, BOND, INSURANCE AND OTHERWISE AS REQUIRED BY THE PROJECT MANUAL. THE CONTRACTOR IS TO ASSUME THE REPLACEMENT OF 16 CELL DOORS (AS DEFINED AND STATED IN SPECIFICATION SECTION 08346 DETENTION HOLLOW METAL DOORS & FRAMES, PART 1 – GENERAL AND 2.3.A.1. THERE IS ALSO A "DOOR REUSE NOTE" ON DETAIL 3/A201 OF DRAWING SHEET A201 THAT REFERENCES THESE DOORS) AND INCLUDE THIS COST IN HIS BID. IN THE EVENT THAT LESS THAN THE REPLACEMENT OF 16 CELL DOORS IS REQUIRED, CELL DOORS WILL BE REMOVED FROM THE CONTRACT AT UNIT COST PROVIDED BY THE CONTRACTOR. IN THE EVENT THAT MORE THAN 16 CELL DOORS REQUIRE REPLACEMENT, CELL DOORS WILL BE ADDED TO THE CONTRACT AT THE UNIT COST PROVIDED BY THE CONTRACTOR.

ADDENDA ACKNOWLEDGMENT: (modified dates August 2016)

No. _____ No. _____ No. _____

No. _____ No. _____ No. _____

ACCEPTANCE:

I certify that I am authorized to enter into a binding contract, if this Proposal is accepted.

Signature _____ Date _____
Name and Title _____
Name of Business _____

Complete spelling of bidder's name and address - exact as recorded at the Secretary of State [http://www.sos.state.ms.us/busserv/corp/soskb/csearch.asp] which should be the same as you applied for at the Mississippi State Board of Contractors [http://www.msboc.us/Search2.CFM] (see 2.07, 3.01, 5.01) **PLEASE LOOK IT UP at SoS. SoS rules when the 2 are different.**

Address _____(mailing)
Address _____(physical)
City/State/Zip Code _____ County _____
Phone _____ Fax _____ Email _____

■ **BIDDER'S CERTIFICATE OF RESPONSIBILITY NUMBER(S):** _____

■ **MINORITY BUSINESS ENTERPRISE? Yes** _____ **No** _____ (to assist with Code 57-1-57)

■ Attach copy of Non-Resident Bidder's Preference Law (5.04 of Bidder's Checklist)

■ **Mechanical / Plumbing / Electrical Contractors:** (modified Dec 2013 SoS per 10/17/12 Addendum 1 & Feb 2014; 021219 sub over $50,000.00; modified 04/06/2020)

Regarding said Divisions of the Specifications of the BoB Standard Form of Agreement Between The Owner and The Contractor: List any Mechanical/Plumbing and/or Electrical Sub-Contractors that will perform work of this contract; regardless of cost even for under $50,000.00. COR must be included where sub-contract exceeds $50,000.00. If no sub-contractor is listed, and such work is within scope of contract and over $50,000.00, bidder's own COR classification(s) must be sufficient to self-perform any such work. If no sub-contractor is listed, then use of sub-contractor to perform such scope will not be permitted. This is in accordance with 5.05 and 5.06 of the Bidder's Checklist.

Mechanical Contractor: _____ Certificate of Responsibility No. _____
Plumbing Contractor: _____ Certificate of Responsibility No. _____
Electrical Contractor: _____ Certificate of Responsibility No. _____

■

MODIFIED BY ADDENDUM NO. 1

SECTION 08780
SPECIAL FUNCTION HARDWARE
(GRADE 1 MAXIMUM SECURITY SURFACE-MOUNTED LOCK POCKET)

SUMMARY

A Surface-Mounted Grade 1 Maximum Security Lock Pocket locking system is differentiated from standard locks and lock pockets in that it is surface-mounted on the new, existing and/or modified hollow-metal door and frame. Additionally, this class of products has tamper-resistant security features that make it difficult for the detainee to “pop”, “sheet”, or otherwise exploit lock vulnerabilities that enable the detainee to defeat the lock and open the cell door This lock pocket is for use in areas of a jail, prison, or detention facility where it is likely that bodily harm can come to the staff or to other residents should a detainee illicitly open and exit the cell or area of custody.

SECTION 1-QUALITY

COMPONENTS AND FEATURE SUMMARY (all components must accommodate existing conditions)

A. Detention security hollow metal surface-mounted lock pocket including surface-mounted door strike.
B. Cover plates welded in place where existing lock and strike were removed where applicable.
C. Willoughby Locking Systems, WLS1520M, or approved equal, Grade 1 Maximum Security Lock, having been tested and compatible with the Surface-mounted Lock Pocket. Lock shall monitor the status of the position of the roller bolt.
D. Housing/Cover of Lock pocket, containing **no exposed screws for cover attachment**, that covers internal Grade 1 Lock and electronic components.
E. Interlocking material that encapsulates and protects the lock bolt and roller bolt to prevent “sheeting” or “popping” the lock.
F. High intensity door status LED indicating secure and insecure states.
G. Tamper Alarm that provides audible and visual indication of roller and latch bolt tampering.
H. Triple biased Door Position Switch.
I. Modifications to the Locking Control System.
J. Coordinate with the new doors and frames or altered doors/frames as indicated and specified and associated alterations to the existing construction to accommodate new frames/doors and hardware.

TESTING AND PERFORMANCE

A. Lock Pocket Assembly Impact Test
   1. The lock pocket and strike shall be tested in accordance with ASTM F 1450-12, Section 6, “Specimen Preparation” and Section 7.2 “Door Assembly Impact Test.”
   2. Proof of test compliance shall be provided from an independent testing agency.

QUALITY ASSURANCE

A. **D**etention **E**quipment **C**ontractor's Qualification
   1. Detention Equipment Contractors (DEC) are required to submit for approval the name of the detention equipment manufacturer they intend to use along with all information as required by Division 1 specification sections that address submittals and approvals. These Division 1 specification sections include "Shop Drawings, Product Data and Samples", "Substitutions and Product Options", and all other applicable requirements Division 1 and in the AIA General Conditions.

   2. Subject to compliance with the requirements, the following DEC's are approved to perform work in this section:

      a. Willo Products Company LLC
      b. Approved Equal, per Division 1 requirements.

   3. Non approved DEC's intending to submit a bid on the work in this section shall provide to the Owner the information as required by Division 1 specification sections that address submittals and approvals. These Division 1 specification sections include "Shop Drawings, Product Data and Samples", "Substitutions and Product Options", and all other applicable requirements in Division 1 and in the AIA General Conditions. Verbal approval will not be given. The following information is also required:

      a. Submit a list of 5 jobs comparable in size and construction, built within the last 5 years. Include job name, person to contact, phone number and contract amount.
      b. Submit for approval the name of the detention equipment manufacturer from which you intend to purchase this equipment.
      c. Provide a letter from your surety agent stating the bidder has the bonding capacity for this job and that bonding will be allocated to this project if the bidder is successful.
      d. Any bidder who fails to submit the above or submits misrepresented or incomplete information is subject to disapproval.

B. Manufacturer's Qualification
   1. Subject to the information as required by Division 1 specification sections that address submittals and approvals. These Division 1 specification sections include "Shop Drawings, Product Data and Samples", "Substitutions and Product Options", and all applicable requirements in Division 1 and in the AIA General Conditions, the following manufacturers are pre-approved to perform work in this section:

      a. Willo Products Company LLC, Decatur, AL
      b. Approved Equal, per Division 1 requirements (see above for information).

   2. Non-pre-approved manufactures intending to submit a bid on the work in this section shall meet the requirements as defined above (in addition to the items listed below). Verbal approval will not be given.

      a. Submit a list of 5 jobs comparable in size and construction, built within the last 5 years. Include job name, person to contact, phone number and contract amount.
      b. **On-site demonstration**. A Full-size sample, including lock pocket, LED, lock, and DPS, shall be brought to the facility and demonstrated to the State Department of

Corrections officials, Superintendent, Warden and/or facility security staff, etc.. The product shall be mounted on a detention grade hollow metal door and frame and demonstrated to show that the product meets the security requirements as outlined in SECTION 2 C.

c. All samples submitted shall be of the production type and shall represent in all respects the minimum quality of work to be furnished by the manufacturer for the remainder of this project.
d. Any bidder who fails to submit the above or submits misrepresented or incomplete information shall be subject to disapproval.

C. Installer's Qualification
1. Installer shall receive special training from Manufacturer on how to install and adjust the special lock pocket. This training shall be done either at the Manufacturer's facility or at the job site and must be completed prior to or at the time of first installation of the new lock pockets. The installing company shall have a minimum of one representative designated as the Certified Installer and this individual shall be the one trained and the one responsible for training all other personnel within that company who will be installing the new lock pocket and lock at the project.
2. Manufacturer shall provide the Certified Installer with a certification designating him/her as a qualified installer for this product.

WARRANTY

The manufacturer shall provide standard warranty documentation that notes the products will be free from defects in workmanship and materials, under normal and proper use, for a period of one (1) year from the date of Substantial Completion of the project. The manufacturer shall not require a service agreement for the product warranty to remain valid.

Installer shall provide standard warranty documentation that notes that the services will be performed in accordance with generally accepted industry standards and practices by competent personnel for a period of one (1) year from the date of Substantial Completion of the project.

SECTION 2-PRODUCTS

LOCK POCKET, STRIKE ASSEMBLY, and HARDWARE

A. Materials
1. Lock pocket and strike assembly shall be constructed of commercial quality, level, 304 dull and/or 316 no. 4 Stainless Steel. Steel shall be free of scale, pitting, coil breaks or other surface blemishes. It shall also be free of buckles, waves, flaws or any other defects caused by the use of improperly leveled sheets.
2. Interior and exterior assemblies: Shall be 12 gauge or 10 gauge as required to meet testing performance requirements defined in Section 1.

B. Construction
1. General:
a. All assemblies shall be of the types and sizes shown on the approved submittal drawings, shall be constructed in accordance with the specifications and shall meet the performance requirements of Section 1, where applicable. Alternate methods of construction, which meet the aforementioned performance criteria, shall be permitted.

b. Exposed fasteners are only allowed on accessory ports, strike, or latch/roller bolt assembly. Fasteners for these non-structural areas of the lock pocket and strike assembly shall be Torx with pin. The lock-pocket housing/cover used to secure the enclosed Grade 1 lock shall not have any exposed fasteners.
c. Provisions shall be made in the lock-pocket assembly to accept conduit for control lines and power from existing transom. Conduit entering lock-pocket shall be enclosed in 12-gauge steel, secured with welds or expansion anchored into wall structure.
d. The minimum height of formed stops in door openings shall be 7/8".

C. Features Required for Officer and Resident Safety and Liability Protection

1. Prevent residents from having access to the lock bolt from "inside" side of the opening or cell by offsetting the lock bolt from the original door opening.
2. When cell door is closed, the design of the lock pocket shall prevent resident from having access to the lock bolt from top, front or bottom while "outside" of the opening or cell.
3. The design shall prevent the lock from being defeated by common methods, such as "sheeting" or "carding", by gripping or pinching the material that is being used in the attempt. A demonstration of this feature is required prior to approval of the product. A lock box that does not have a means of gripping or pinching the material will not be accepted.
4. Design of the lock pocket shall prevent two residents, one inside and one outside of the opening, from slipping a sheet, card, paper or other foreign object between the door and frame, from above or below, and by using a sawing motion allow that object to touch or engage any part of the lock bolt. A simple overlapping of the cover alone is not sufficient to prevent this from happening. Demonstration is required prior to approval.
5. Lock-Pocket Cover**:**
   a. Lock-side and strike-side housing covers shall be attached and secured by means other than resident-accessible exposed security screws. Covers shall be attached and secured, about the entire perimeter, as well as along the front lock face, without use of exposed security screws.
   b. Lock-side and strike-side housing covers shall be designed to have minimum tolerances between surfaces to prevent separation and removal by prying.
   c. Cover lock/unlock system shall include:
      (1) Primary attachment mechanism for housing cover is concealed via access port. Access port covers shall be mechanically attached so that they cannot be removed when opened for access to housing covers of the lock system.
      (2) Primary attachment fastener(s) for housing cover shall be a tamper-resistant head (Torx head not permitted).
      (3) Primary attachment fastener shall be applied with 20 ft.lb. torque with minimum 20 ft. lb. removal torque.
6. Lock pocket design shall not include any front-facing exposed cavity for stuffing or packing material that prevents normal locking operation.
7. Both a visual and audible Tamper Alarm notifying the officer if the roller bolt is being or has been tampered with.
8. Each Lock pocket assembly shall provide, within the assembly itself, one High-Intensity LED, daylight visible, rugged polycarbonate lens, 30 mm fully translucent dome, and 24 VDC. It must be UL rated and meet IP67 (Totally protected against dust as well as protected from effects of immersion between 15cm and 1m) and specification IP69K (protected against close-range high pressure, high temperature sprays.) rating. The "Green" and "Red" indications shall be clearly visible from secure side of door at all traffic directions and from the control room.
9. The LED shall indicate the following conditions:

a. GREEN LED: For a secure condition meaning the door is closed, dead-locked, and roller bolt is fully retracted,
b. RED LED: For an unsecure condition meaning the door is open.
c. FLASHING RED LED: For a lock that is being tampered with through manipulation of roller bolt or for a door that is closed but not dead-locked.

10. Provide a heavy 12 gauge shield over the High-Intensity LED to protect it from vandalism from all angles. This shield shall prevent damage of the light by an object similar to a tooth brush handle or a ball point pen. This shield shall not prevent the light from being clearly visible from secure side of door at all traffic directions and from the control room. Removal of fasteners for attaching the shield shall not be accessible from exterior of cover.
11. Opening around the outer diameter of the lock cylinder shall be no more than 0.01" around the cylinder and no more than 0.045" between inside of cover to the face of the face of the Grade 1 lock assembly. This limits the ability for a resident to insert contraband material into the cover/housing of the Lock-pocket through the lock cylinder opening.

D. Additional Required Design and Features
1. Provide access to allow for easy clean out of the strike pocket
2. Design the Lock Pocket to allow maintenance to remove the lock cover and adjust the lock without removing the lock from the Lock Pocket.
3. Sloped top and bottom cover to prevent jumping on or prying against the lock pocket.
4. One Wiring Harness shall be factory wired inside each lock pocket. This Wiring Harness shall have a standard connector so that the lock can be easily unplugged for testing with a test box. The mating pigtail shall be furnished for butt splicing to the field wires.
5. Closure plates and security screws for existing strikes, deadlock and DPS faceplates shall be provided by lock pocket supplier.
6. There shall be no exposed cavity, opening, or accessible voided space around the latch bolt or roller bolt when these components are fully depressed into the lock housing to limit the ability to insert foreign material into the lock housing around the latch bolt and roller bolt.
7. Opening around the latch bolt and roller bolt of the locking mechanism shall be no more than 0.01" around the latch bolt and roller bolt to limit the ability to insert foreign material into the lock housing.
8. There shall be a door stop bumper added to the surface mounted lock pocket. The bumper shall be Ives FS18S or equal.

E. Anchorage
1. The structural integrity and physical appearance of the existing wall must be maintained.
2. Lock pocket and strike assemblies shall be bolted onto the wall and/or field welded to existing frame and door as required to meet test performance criteria in Section 1. The contractor is to repair any damaged or marred wall materials and prep, prime and paint.

    a. Where there are exposed perimeter field welds of box to frame and door, apply security caulk, continuous between welds. Caulk shall be pick-proof Pecora Dyna-Poxy or equal, color to match lock pocket body. Touch up paint and finishes for wall shall match existing wall and cover all exposed field welds and areas damaged by field welding or installation.

F. Electrical
1. The existing or new door control and monitoring system (locking control panel) must remain intact and completely operational. When lock pocket installation is completed, the

indicator LED on lock pocket shall perform as described in Section 2. Modifications may be required to the circuitry in order for the 24 VDC DPS and 24 VDC LED to work with the existing locking control panel. All necessary modifications are the contractor's responsibility.
2. Pull additional field wire as necessary to make the new lock and DPS work with the existing controls. Existing conduit may be used when it exists, otherwise, new conduit is to be installed with a new conduit protective cover from the top of the door jamb to the new hardware.
3. All new field wiring shall be minimum #16 AWG stranded copper THHN. All wiring shall be clearly and specifically labeled and identified. Conductors routed to individual lock pockets shall be continuous from the remote electrical enclosure to the individual lock pocket. No common wiring shall be used for multiple locks.

G. Hardware
1. The lock shall be a Grade 1 / Maximum Security Lock, 120 VAC/24VDC, that has been ASTM tested as defined in these specifications.
2. Door Position Switch shall be a Triple Bias DPS or equivalent.
3. Door Pull shall be made integral in the door receiver portion of the lock pocket.
4. The surface mounted lock pocket door hardware shall have an integral door stop mounted to act as a bumper so that the door mounted housing does not impact the wall. The bumper shall be Ives FS18S or equal.

H. Basis of Design:
1. Willo Products Company LLC
   a. The Willo Wedge (with features listed herein)
2. Approved Equal, per Division 1 requirements and as defined above in these specifications.

FINISH

After fabrication, all tool marks and surface imperfections shall be filled and sanded as required to make face sheets, vertical edges and weld joints free from irregularities.

All marring, tool marks, weld burns and smoke damage done to the existing/new door or frame shall be primed and painted to blend with the existing paint. After appropriate metal preparation, all surfaces shall be finish painted, inside and out, with an epoxy paint or durable polyester finish paint (Powder Coat) that is compatible with any existing paint. Color to be selected by the owner from manufacturer's standard color chart

All filler plates used behind the lock pocket, in the jamb, in the head/transom to make it fit the frame and wall condition shall be security caulked between the filler plate and the wall and between the filler plate and the lock pocket.

SECTION 3-EXECUTION

INSTALLATION

A. Demolition
1. Remove existing lock and receiver.
2. Remove and relocate the door bumper and any light switch, cover plate, or any other fixture on the wall or door that will interfere with installation of the new lock pocket.

3. Remove existing DPS and disconnect wiring. Route wiring back to the lock pocket for use with the new DPS located in the new lock pocket.

B. Installation
   1. Check for loose or missing screws in the door hinges. Tighten and add new where necessary.
   2. Adjust existing door and frame as needed, and where possible to hold a 1/8" gap at the sides and top.
   3. Install lock pocket and strike, plumb, level, square, rigid, aligned and anchored in accordance with the final reviewed and accepted shop drawings and manufacturer's product data.
   4. Where required, reinstall the existing door bumper on the new strike portion of the lock pocket.
   5. Add relays, wiring, and other components to the existing Locking Control System as necessary to provide a positive and negative 24 VDC for the newly added LED in the new lock pocket. Conveniently locate relays and all new wires for easy identification and future maintenance. Provide a new cabinet to house the relays if necessary.
   6. Exposed field welds shall be finished smooth, touched up with a rust inhibitive primer, and finish painted as defined above.
   7. Primed or painted surfaces which have been scratched or otherwise marred during installation (including field welding) and/or cleaning, shall be promptly finished smooth, cleaned, treated for maximum paint adhesion, touched up with a rust inhibitive primer comparable and compatible to shop applied primer then finish coated as defined above.
   8. Where the gap between the lock pocket and the wall, frame, or door is greater than .046 inch, the gap shall be filled with pick proof caulk.

FINAL CLEANING AND ADJUSTING

A. Doors and hinges shall be adjusted to ensure proper operation and performance with the new lock and lock pocket.

B. Clean exposed frame and door surfaces of all weld smoke, grease, and grime caused by construction after completion of each cell block, pod or other division of the work.

END OF SECTION

A. Additional Required Design and Features
   1. Provide access to allow for easy clean out of the strike pocket
   2. Design the Lock Pocket to allow maintenance to remove the lock cover and adjust the lock without removing the lock from the Lock Pocket.
   3. Sloped top and bottom cover to prevent jumping on or prying against the lock pocket.
   4. One Wiring Harness shall be factory wired inside each lock pocket. This Wiring Harness shall have a standard connector so that the lock can be easily unplugged for testing with a test box. The mating pigtail shall be furnished for butt splicing to the field wires.
   5. Closure plates and security screws for existing strikes, deadlock and DPS faceplates shall be provided by lock pocket supplier.