

ADDENDUM NUMBER 3

July 21, 2023

**PROJECT: SHELBY COUNTY JAIL EXPANSION
FOR THE SHELBY COUNTY COMMISSION
COLUMBIANA, ALABAMA
GMC PROJECT NO. AMGM220005
Local Funds**

AD3-1 GENERAL:

- A. The following revisions and/or additions to the Drawings and Project Manual are hereby made a part of same, and shall be incorporated in the Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. When a revision and/or addition is called for to the Drawings or Project Manual, they shall be fully coordinated with and carried through all applicable Drawings and portions of the Project Manual, including in part, all related Civil, Landscaping, Architectural, Structural, Plumbing, Mechanical, Electrical, and other Documents.

AD3-2 PROJECT MANUAL AND SPECIFICATIONS:

- A. SECTION 000300 – PROPOSAL FORM AND SAMPLE BID BOND
 - a. Replace section in its entirety
- B. SECTION 012200 – UNIT PRICES
 - a. Replace section in its entirety
- C. SECTION 017419 – CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
 - a. Add section in its entirety
- D. SECTION 042000 – UNIT MASONRY
 - a. Replace section in its entirety to remove split-face CMU
- E. SECTION 081113 – STEEL DOORS AND FRAMES
 - a. Replace section in its entirety
- F. SECTION 087100 – DOOR HARDWARE
 - a. Revise Hardware set 1.0 Doors to include doors S135A, S135B & S143B
 - b. Revise Hardware set 5.0 Doors from H1156 to H1321
- G. SECTION 090000 – MATERIAL AND FINISH CODES
 - a. Replace section in its entirety
- H. SECTION 101000 – VISUAL DISPLAY BOARDS
 - a. Remove section 3.2.B.1.a in its entirety
 - b. Add the following section in its entirety to section 3.2 - INSTALLATION:
 - C. Provide products and installation in the following rooms:
 - 1. H-1577: Two 4’x8’ Markerboards (Location to be coordinated with Owner)
 - 2. H-1432: One 4’x4’ Markerboard (Location to be coordinated with Owner)
 - 3. M-131: One 4’x4’ Markerboard (Location to be coordinated with Owner)
 - 4. M-132: One 4’x4’ Markerboard (Location to be coordinated with Owner)
 - 5. M-137: One 4’x4’ Markerboard (Location to be coordinated with Owner)

- I. SECTION 122410 – ROLLER WINDOW SHADES
a. Remove section in its entirety as they are not used

AD3-3 DRAWINGS:

- A. S001 – GENERAL NOTES
a. Replace sheet in its entirety to clarify concrete PSI requirements
- B. S101A – FLOOR AND FOUNDATION PLAN – AREA A
a. Replace sheet in its entirety
b. Includes added thickened slab and CMU wall to day room curtain wall locations
- C. S101C – FLOOR AND FOUNDATION PLAN AND ROOF FRAMING PLAN – AREA C
a. Replace sheet in its entirety
b. Includes added curb at new exterior window location
- D. S307 – SECTIONS
a. Replace sheet in its entirety
b. Includes added section detail 6 & 7
- E. A702 – INTERIOR ELEVATIONS
a. Replace sheet in its entirety
b. Adjusted graphics for painting extents in relation to doors
- F. A905 – WINDOW SCHEDULE & DETAILS
a. Remove window type W1 as it is no longer used
- G. A911 – WALL PARTITION TYPES
a. Remove details 4, 5 & 6 in their entirety
b. Refer to structural sheet S402 for all CMU attachment details

AD3-4 MISCELLANEOUS:

- A. Pre-Bid RFI's
a. Refer to attached Exhibit PB-02 for the current questions and answers from bidders
- B. Civil CAD File
b. Refer to attached “Electronic Data Transfer Agreement” to request access to the Civil CAD File
- C. Exhibit MS-1
c. Refer to attached Exhibit for the proposed Mobile Shelving Layout (FOR REFERENCE ONLY)

END OF ADDENDUM NUMBER 3

PREPARED BY

GMC

2660 EastChase Lane, Suite 200 | Montgomery, Alabama 36117
Tel 334.271.3200 | **GMCNETWORK.COM**
Goodwyn, Mills and Cawood, Inc.



Addendum #3
**SHELBY COUNTY JAIL EXPANSION PROJECT
PROPOSAL FORM AND SAMPLE BID BOND**

SECTION 00-0300 – Page 1 of 4

Bids shall be submitted in triplicate.

DATE: _____

TO: Mr. Chad Scroggins
Shelby County Commission
200 West College Street
Columbiana, AL 35051

Bidding Contractor

1. Pursuant to and in compliance with the Invitation to Bid and the proposed Contract Documents relating to the construction of:

**Shelby County Jail Expansion Project–
Shelby County, AL**

Including Addenda _____

The undersigned, having become thoroughly familiar with the terms and conditions of the proposed Contract Documents and with local conditions affecting the performance and costs of the Work at the place where the Work is to be completed, and having fully inspected the site in all particulars, hereby proposes and agrees to fully perform the Work within the time stated and in strict accordance with the proposed Contract Documents, including furnishing any and all labor and materials, and to do all work required to construct and complete said Work in accordance with the Contract Documents, for the following sum of money:

BASE BID:

Total project excluding the new housing pod and associated scope. See plans for complete scope:

Total Base Bid Amount - _____

ADD ALTERNATE BID:

Housing pod, exterior holding area and associated scope. See plans for complete scope

Total Add Alternate Bid Amount - _____

Addendum #3

**SHELBY COUNTY JAIL EXPANSION PROJECT
PROPOSAL FORM AND SAMPLE BID BOND**

SECTION 00-0300 – Page 2 of 4

2. I understand that Shelby County reserves the right to reject this Bid, but that this Bid shall remain open and not be withdrawn for a period of sixty (60) days from the date prescribed for its receiving.
3. There will be a pre-bid meeting for this project. Any questions or clarifications regarding the bid should be submitted in writing and answers will be provided.
4. The Bidder, if awarded the contract, hereby agrees to commence work under this contract on or before a date to be specified in a written Notice to Proceed from the Owner and to fully complete work as specified in the required timeframe.
5. If written notice of the acceptance of this Bid is mailed or delivered to the undersigned within sixty (60) days after the date set for the receiving of this Bid, or at any other time thereafter before it is withdrawn, the undersigned shall execute and deliver the Contract Documents to the Owner in accordance with this Bid as accepted, and will also furnish and deliver to the Owner the proof of insurance coverage, within ten (10) days after personal delivery or any deposit in the mails of the notification of acceptance of this Bid.
6. Notice of Acceptance or request for additional information may be addressed to the undersigned at the address set forth in Item 7 below.
7. The names of all persons interested in foregoing Bid as principals are:
8. Detention Equipment Contractor: _____

Addendum #3

**SHELBY COUNTY JAIL EXPANSION PROJECT
PROPOSAL FORM AND SAMPLE BID BOND**

SECTION 00-0300 – Page 3 of 4

BID FORM – Attachment A: Unit Prices

UNIT PRICES:

The following items of work are anticipated during construction of this contract; however, the exact quantity of each work item may not be determinable prior to bidding. The Contractor, shall therefore, include in his Lump Sum Base and / or Alternate Bid (as applicable), an allowance for the following items in the quantities indicated:

Allowance Unit Prices include all charges for labor, materials and equipment, shoring, layout, supervision (field and home), general expenses, taxes, insurance, overhead and profit, but not limited to, for accomplishment of the Allowance item(s). Where quantities of same items of work are defined and are quantified in the bid documents, the allowance quantities indicated hereinafter shall be in addition to those which are indicated. (Example: if the site grading plan indicates new and existing grades, the bidder shall compute the quantity of earthwork required and include that quantity of work in the bid the same as if no “allowance quantity was specified. If an additional allowance quantity of earthwork is stipulated, that stipulated allowance quantity of work shall also be included in addition to the quantity computed from the bidder’s earthwork “take off”)

The following Unit Prices Quoted are for increases (additive change orders) or decreases (deductive change orders) in the above quantities included in the lump sum Bas and /or Alternate Bids. These Unit Prices include all charges for labor, materials and equipment, shoring, layout, supervision (field and home), general expenses, taxes, insurance, overhead and profit, but not limited to, for accomplishment of the Bid Price Item(s). This requirement shall supplement the requirements of the General Conditions, and Instruction to Bidders. Changes in the contract amount which are computed using the Stated Allowances and Unit Prices shall be figured at the same unit price whether additive or deductive.

Schedule of Unit Prices: See Section 01 22 00 – Unit Prices

Follow all instructions and include all Base Bid Unit Prices, Add Alternate Unit Prices, and associated documentation as part of the Bid Form.

Base Bid Unit Prices:

Item	Unit	Quantity	Unit Price	Total
1. Undercut and Replacement Backfill in Building Control Area	CY	260	\$ x 260 CY =	
2. Geogrid Soil Reinforcement	SY	100	\$ x 100 SY =	
3. Replacement of the hot water return within the existing facility	LS	1	1	
4. Replacement of the fire alarm system within the existing facility.	LS	1	1	
5. Patch SFRM	SF	600	\$ x 600 CY =	
TOTAL				

Addendum #3

**SHELBY COUNTY JAIL EXPANSION PROJECT
PROPOSAL FORM AND SAMPLE BID BOND**

SECTION 00-0300 – Page 4 of 4

Add Alternate Unit Prices:

Item	Unit	Quantity	Unit Price	Total
1. Undercut and Replacement Backfill in Building Control Area	CY	400	\$ x 400 CY =	
2. Geogrid Soil Reinforcement	SY	250	\$ x 250 SY =	
TOTAL				

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give legal name of corporation, state where incorporated, and names of president and secretary; if a partnership, give name of firm and names of all individual co-partners composing the firm; if Bidder or interested person is an individual, give first and last names in full.)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

The Bidder acknowledges by his signature that he agrees to requirements contained in the Invitation to Bid and the Instructions to Bidders, and that should he fail to execute a Contract with the Owner, should the Owner award said Contract to him, that the Owner may rightfully collect the sum of the Bid Bond. The required Bid Bond is attached to this Bid.

NAME OF FIRM: _____

ADDRESS: _____

ALABAMA GENERAL CONTRACTOR'S LICENSE #: _____

SIGNED: _____

PRINT NAME: _____

TITLE: _____

Note: If a corporation, Bid must be signed by person authorized by corporation by-laws to bind it to a contract.

The entirety of this project shall be bid as a **“LUMP SUM BID”**. The Bidder agrees to perform all necessary work described in the **CONTRACT DOCUMENTS** for the project, constituted by the **LUMP SUM BID**.

FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That the contractor, as Principal, and _____
(Name of Surety)

_____, as Surety, are held and firmly bound
unto _____
(Address)

the **SHELBY COUNTY COMMISSION** as Obligee in the full and just sum of five percent (5%) of amount bid (Maximum amount - \$10,000.00), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal is herewith submitting its proposal for

PROJECT NAME: _____

The condition of this obligation is such that:

If the aforesaid Principal shall be awarded the contract and said Principal will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms and conditions of the contract, then this obligation will be void; otherwise, the Principal and the Surety will pay unto the Obligee the difference in money between the amount of the contract as awarded and the amount of the proposal of the next lowest acceptable bidder, but not to exceed the total amount of the proposal guaranty. If no other bids are received, the full amount of the proposal guaranty shall be retained and/or recovered as liquidated damages for such default.

Witness our hands and seals this _____ day of _____,
20____.

SIGNATURE OF INDIVIDUAL BIDDER: (USE ONLY WHERE BIDDER IS AN INDIVIDUAL)

_____, Doing Business As, _____
 (Name of Individual) (Business Name)

Business Mailing Address: _____

NAME OF PARTNERSHIP, JOINT VENTURE OR CORPORATION:

(Name of Partnership, Joint Venture or Corporation*) – (If Two Corporations**)

Business Mailing Address: _____ BY: _____ (L.S.)

 (Signature and Position or Title of
 Officer Authorized to Sign Bids and
 Contracts for the Firm)

Business Mailing Address: _____ BY: _____ (L.S.)

 (Signature and Position or Title of
 Officer Authorized to Sign Bids and
 Contracts for the Firm)

Business Mailing Address: _____ BY: _____ (L.S.)

 (Signature and Position or Title of
 Officer Authorized to Sign Bids and
 Contracts for the Firm)

* (Corporate Seal) Name of State under the laws of which the
 Attest: Corporation was chartered:

 (Secretary)

** (Corporate Seal) Name of State under the laws of which the
 Attest: Corporation was chartered:

 (Secretary)

 (Name of Surety)

BY: _____
 (Attorney-in-Fact)

**PROPOSAL WILL NOT BE ACCEPTED UNLESS THIS FORM FOR BID BOND IS USED,
 AND BIDS WILL NOT BE CONSIDERED UNLESS THIS FORM IS SIGNED BY PRINCIPAL
 AND SURETY OR A CERTIFIED CHECK IN THE PROPER AMOUNT IS FURNISHED.
 CASHIER'S CHECK IS NOT ACCEPTABLE.**

PLEASE LEAVE ATTACHED IN YOUR BIDDING FORM

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS:

Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.3 PROCEDURES:

Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.

Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES:

Base Bid Unit Prices

Unit Price No. 1: Undercut & Replacement Backfill in Building Control Areas. (Base bid without housing Pod)

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2022

Addendum #3

Project No. 21.01020.00

1. Description: Undercutting below planned subgrade in building control areas, and at least 10-feet beyond, as required due to careful inspection by probing, proofrolling, and testing shall be paid on a unit price basis per cubic yard of undercut. Unit price shall include excavation and legal off-site disposal of unsuitable material and replacement with compacted controlled fill back to subgrade elevation in cuts and back to original grade in fills in accordance with Section 31 3200 - "Earth Moving" as directed by the Owner's Geotechnical Engineer. This shall not apply to previously prepared areas of the site that may become unstable due to construction traffic, rain, etc.
2. Unit of Measurement: Cubic Yard (CY) of unsuitable material.

Unit Price No. 2: Geogrid. (Base bid without housing Pod)

1. Description: Provide geogrid meeting the specifications of Tensar BX-1100 or Pre-Approved Equivalent, including purchase, any applicable fees, taxes, delivery to job site, installation and all related costs, as indicated on the Drawings and in various additional portions of the Project Manual.
2. Unit of Measurement: Square yard in-place (SY) of geogrid.

Unit Price No. 3: Removal and replacement of the hot water return within the existing facility.

1. Scope Description: Provide complete replacement of the entire (3) hot water recirculation systems (one for the kitchen hot water system, one for the laundry hot water system, and one for the balance of the building including pods, segregation, medical, booking, and administrative). This includes:
 - a. Replacement of existing hot water return piping as shown on drawings. The minimum hot water return piping size shall be 3/4". Piping shall be Type L hard copper pipe with soldered joints. Include fiberglass insulation with all service jackets.
 - b. Replacement of all balancing valves with new ones, as shown on drawings. These are equal to the circuit solver by Thermomegatech (does not require balancing).
 - c. Replacement and resizing of existing recirculation pumps for kitchen and laundry system and balance of building system. Pumps shall be equal to Armstrong ECM pumps.
 - d. Removal of (2) existing tank-type water heaters and associated piping located in the existing pods (these were added to address poor recirculation).
2. Unit of Measurement: Lump Sum (LS).

Unit Price No. 4: Removal and replacement of the fire alarm system hot water return within the existing facility.

1. Scope as defined in the documents
2. Unit of Measurement: Lump Sum (LS).

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2022

Addendum #3

Project No. 21.01020.00

Unit Price No. 5: Patch Sprayed-Fire Resistive Material (SFRM) within the existing facility, where disturbed by alternation and renovation activities..

1. Patch SFRM on metal deck, joist or other structural members as required to match adjacent fireproofing. Scope as defined in the documents. Existing drawings indicate a UL system P-732.
2. Unit of Measurement: Square feet in-place (SF) of SFRM

Add Alternate Unit Prices

Unit Price No. 1: Undercut & Replacement Backfill in Building Control Areas. **(Entire project included add alternate housing pod.)**

1. Description: Undercutting below planned subgrade in building control areas, and at least 10-feet beyond, as required due to careful inspection by probing, proofrolling, and testing shall be paid on a unit price basis per cubic yard of undercut. Unit price shall include excavation and legal off-site disposal of unsuitable material and replacement with compacted controlled fill back to subgrade elevation in cuts and back to original grade in fills in accordance with Section 31 3200 - "Earth Moving" as directed by the Owner's Geotechnical Engineer. This shall not apply to previously prepared areas of the site that may become unstable due to construction traffic, rain, etc.
2. Unit of Measurement: Cubic Yard (CY) of unsuitable material.

Unit Price No. 2: Geogrid. (Entire project included add alternate housing pod.)

3. Description: Provide geogrid meeting the specifications of Tensar BX-1100 or Pre-Approved Equivalent, including purchase, any applicable fees, taxes, delivery to job site, installation and all related costs, as indicated on the Drawings and in various additional portions of the Project Manual.
4. Unit of Measurement: Square yard in-place (SY) of geogrid.

END OF UNIT PRICES

SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
 - 1. Recycling nonhazardous demolition and construction waste.
 - 2. Disposing of nonhazardous demolition and construction waste.
- B. Related Requirements:
 - 1. Section 042000 "Unit Masonry" for disposal requirements for masonry waste.
 - 2. Section 311000 "Site Clearing" for disposition of waste resulting from site clearing and removal of above- and below-grade improvements.

1.2 DEFINITIONS

- A. Construction Waste: Building, structure, and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building, structure, and site improvement materials resulting from demolition operations.
- C. Disposal: Removal of demolition or construction waste and, recycling, or deposit in landfill, incinerator acceptable to authorities having jurisdiction.

1.3 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to requirements in this Section. Plan shall consist of waste identification, and work plan.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 PLAN IMPLEMENTATION

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
- B. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work.

1. Distribute waste management plan to everyone concerned within three days of submittal return.
 2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for recycling, and disposal.
- C. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Comply with Section 015000 "Temporary Facilities and Controls" for controlling dust and dirt, environmental protection, and noise control.
- 3.2 RECYCLING DEMOLITION AND CONSTRUCTION WASTE, GENERAL
- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.
- 3.3 RECYCLING DEMOLITION WASTE
- A. Asphalt Paving: Break up and transport paving to asphalt-recycling facility.
- B. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.
- C. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.
- D. Metals: Separate metals by type.
1. Structural Steel: Stack members according to size, type of member, and length.
 2. Remove and dispose of bolts, nuts, washers, and other rough hardware.
- E. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.
- F. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in a dry location.
- G. Metal Suspension System: Separate metal members, including trim and other metals from acoustical panels and tile, and sort with other metals.
- H. Carpet: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.
1. Store clean, dry carpet in a closed container or trailer provided by carpet reclamation agency or carpet recycler.
- I. Carpet Tile: Remove debris, trash, and adhesive.
1. Stack tile on pallet and store clean, dry carpet in a closed container or trailer provided by carpet reclamation agency or carpet recycler.

- J. Piping: Reduce piping to straight lengths and store by material and size. Separate supports, hangers, valves, sprinklers, and other components by material and size.
- K. Conduit: Reduce conduit to straight lengths and store by material and size.
- L. Lamps: Separate lamps by type and store according to requirements in 40 CFR 273.

3.4 RECYCLING CONSTRUCTION WASTE

- A. Packaging:
 - 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
 - 2. Polystyrene Packaging: Separate and bag materials.
 - 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
 - 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- B. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.

3.5 DISPOSAL OF WASTE

- A. General: Except for items or materials to be recycled, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
 - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.

END OF SECTION 017419

SECTION 042000 - UNIT MASONRY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and any general provisions of the Contract for each Prime Contract, including General and Supplementary Conditions and Construction Manager's specific requirements apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Concrete unit masonry.
 - 2. 8" x 8"x16" running board pattern concrete unit masonry veneer.
- B. Related Sections: The following sections contain requirements that relate to this Section:
 - 1. Division 7 Section "Flashing and Sheet Metal" for exposed sheet metal flashing installed in masonry.
 - 2. Division 10 Section "Louvers and Vents" for wall vents.
- C. Products installed but not furnished under this Section include the following:
 - 1. Steel lintels in unit masonry are specified in Division 5 Section "Metal Fabrications."
 - 2. Wood nailers and blocking built into unit masonry are specified in Division 6 Section "Rough Carpentry."
 - 3. Reglets in masonry joints for metal flashing are specified in Division 7 Section "Flashing and Sheet Metal."
 - 4. Hollow metal frames in unit masonry openings are specified in Division 8 Section "Steel Doors and Frames."

1.3 SYSTEM PERFORMANCE REQUIREMENTS

- A. Provide unit masonry that develops the following installed compressive strengths(fm):
 - 1. For concrete unit masonry: As follows:
 - a. fm = 4500 psi.

1.4 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

-
- B. Shop drawings for reinforcing detailing fabrication, bending, and placement of unit masonry reinforcing bars . Comply with ACI 315 "Details and Detailing of Concrete Reinforcing" showing bar schedules, stirrup spacing, diagrams of bent bars, and arrangement of masonry reinforcement.
 - C. Product data for each type of unit to be incorporated into the project.
 - D. Samples for initial selection purposes of the following:
 - 1. Unit masonry sample in small-scale form showing units available for each different exposed masonry unit required.
 - 2. Colored masonry mortar samples showing full extent of colors available.
 - E. Samples for verification purposes of the following:
 - 1. Full-size units for each different exposed masonry unit required showing color, pattern and dimensions to be expected in completed construction.
 - 2. Colored masonry mortar samples for each color required showing the full range of colors expected in the finished construction.
 - 3. Aluminum weep holes/vents painted in color to match mortar color.
 - 4. Accessories embedded in the masonry.

1.5 QUALITY ASSURANCE

- A. Unit Masonry Standard: Comply with ACI 530.1/ASCE 6 "Specifications for Masonry Structures," except as otherwise indicated.
 - 1. Revise ACI 530.1/ASCE 6 to exclude Sections 1.4 and 1.7; Parts 2.1.2, 3.1.2, and 4.1.2; and Articles 1.5.1.2, 1.5.1.3, 2.1.1.1, 2.1.1.2, and 2.3.3.9 and to modify Article 2.1.1.4 by deleting requirement for installing vent pipes and conduits built into masonry.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver masonry materials to project in undamaged condition.
- B. Store and handle masonry units off the ground, under cover, and in a dry location to prevent their deterioration or damage due to moisture, temperature changes, contaminants, corrosion, and other causes. If units become wet, do not place until units are in an air-dried condition.
- C. Store cementitious materials off the ground, under cover, and in dry location.
- D. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.
- E. Store masonry accessories including metal items to prevent corrosion and accumulation of dirt and oil.

1.7 PROJECT CONDITIONS

- A. Protection of Masonry: During erection, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially completed masonry when construction is not in progress.
 - 1. Extend cover a minimum of 24 inches down both sides and hold cover securely in place.
 - 2. Where one wythe of multi-wythe masonry walls is completed in advance of other wythes, secure cover a minimum of 24 inches down face next to unconstructed wythe and hold cover in place.
- B. Do not apply uniform floor or roof loads for at least 12 hours and concentrated loads for at least 3 days after building masonry walls or columns.
- C. Stain Prevention: Prevent grout, mortar, and soil from staining the face of masonry to be left exposed or painted. Remove immediately any grout, mortar, and soil that come in contact with such masonry.
 - 1. Protect base of walls from rain-splashed mud and mortar splatter by means of coverings spread on ground and over wall surface.
 - 2. Protect sills, ledges, and projections from mortar droppings.
 - 3. Protect surfaces of window and door frames, as well as similar products with painted and integral finishes from mortar droppings.
- D. Cold -Weather Construction: Comply with referenced unit masonry standard for cold-weather construction and the following:
 - 1. Do not lay masonry units that are wet or frozen.
 - 2. Remove masonry damaged by freezing conditions.
- E. Hot-Weather Construction: Comply with referenced unit masonry standard.

PART 2 - PRODUCTS**2.1 MATERIALS, GENERAL**

- A. Comply with referenced unit masonry standard and other requirements specified in this Section applicable to each material indicated.

2.2 CONCRETE MASONRY UNITS

- A. General: Comply with requirements indicated below applicable to each form of concrete masonry unit required.
 - 1. Provide special shapes where indicated and as follows:
 - a. For lintels, corners, jambs, sash, control joints, headers, bonding, and other special conditions.

2. Size: Provide concrete masonry units complying with requirements indicated below for size that are manufactured to specified face dimensions within tolerances specified in the applicable referenced ASTM specification for concrete masonry units.
 - a. Concrete Masonry Units: Manufactured to specified dimensions of 3/8 inch less than nominal widths by nominal heights by nominal lengths indicated on drawings.
 3. Exposed Faces: Manufacturer's standard color and texture, unless otherwise indicated.
 4. Block Colors: Colors as indicated on drawings at exterior veneer applications shall match existing.
 - a. Verify final color selection and patterns with Architect prior to ordering block.
 5. Special Shapes: Provide 3/4" bullnose at outside corners unless noted otherwise on the drawings.
- B. Hollow Load-Bearing Concrete Masonry Units: ASTM C 90, Grade N and as follows:
1. Unit Compressive Strength: Provide units with minimum average net area compressive strength indicated below:
 - a. Not less than the unit compressive strengths required to produce concrete unit masonry construction of compressive strength indicated.
 2. Weight Classification: Normal weight.

2.3 MORTAR AND GROUT MATERIALS

- A. Portland Cement: ASTM C 150, Type I or II, except Type III may be used for cold-weather construction. Provide natural color or white cement as required to produce required mortar color.
- B. Masonry Cement: ASTM C 91.
1. For colored pigmented mortars use premixed colored masonry cements of formulation required to produce color indicated, or if not indicated, as selected from manufacturer's standard formulations. Use colored mortar with Dry-Block Additive supplied by concrete masonry unit supplier to match C.M.U.'s for monolithic appearance.
- C. Ready-Mixed Mortar: Cementitious materials, water, and aggregate complying with requirements specified in this article, combined with set-controlling admixtures to produce a ready-mixed mortar complying with ASTM C 1142.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

- D. Hydrated Lime: ASTM C 207, Type S.
- E. Aggregate for Mortar: ASTM C 144, except for joints less than 1/4 inch use aggregate graded with 100 percent passing the No. 16 sieve.
 - 1. White Mortar Aggregates: Natural white sand or ground white stone.
- F. Aggregate for Grout: ASTM C 404.
- G. Colored Mortar Pigments: Natural and synthetic iron oxides and chromium oxides, compounded for use in mortar mixes. Use only pigments with record of satisfactory performance in masonry mortars.
- H. Water: Clean and potable.
- I. Available Products: Subject to compliance with requirements, products that may be incorporated in the Work include, but are not limited to, the following:
 - 1. Colored Masonry Cement:
 - a. "Colorbond Custom Color Masonry Cement," Centurion.
 - b. "Atlas Custom Color Masonry Cement," Lehigh Portland Cement Co.
 - c. "Flamingo Color Masonry Cement," The Riverton Corporation.

2.4 REINFORCING STEEL

- A. General: Provide reinforcing steel complying with requirements of referenced unit masonry standard and this article.
- B. Steel Reinforcing Bars: Material and grade as follows:
 - 1. Billet steel complying with ASTM A 615.
 - 2. Grade 60.
- C. Deformed Reinforcing Wire: ASTM A 496.
- D. Plain Welded Wire Fabric: ASTM A 185.
- E. Deformed Welded Wire Fabric: ASTM A 497.

2.5 JOINT REINFORCEMENT

- A. General: Provide joint reinforcement complying with requirements of referenced unit masonry standard and this article, formed from the following:
 - 1. Galvanized carbon steel wire, coating class as required by referenced unit masonry standard for application indicated.

- B. Description: Welded-wire units prefabricated with deformed continuous side rods and plain cross rods into straight lengths of not less than 10 feet, with prefabricated corner and tee units, and complying with requirements indicated below:
1. Wire Diameter for Side Rods: 0.1483 inch (9 gage).
 2. Wire Diameter for Cross Rods: 0.1483 inch (9 gage).
 3. For single-wythe masonry provide type as follows with single pair of side rods:
 - a. Truss design with continuous diagonal cross rods spaced not more than 16 inches o.c.
 4. For multi-wythe masonry provide type as follows:
 - a. Truss design with diagonal cross rods spaced not more than 16 inches o.c. and number of side rods as follows:
 - 1) Number of Side Rods for Multi-wythe Concrete Masonry: One side rod for each face shell of hollow masonry units more than 4 inches in nominal width plus one side rod for each wythe of masonry 4 inches or less in nominal width.
 - b. Tab design with single pair of side rods and rectangular box-type cross ties spaced not more than 16 inches o.c.; with side rods spaced for embedment within each face shell of backup wythe and ties extended to engage the outer wythe by at least 1-1/2 inches.

2.6 TIES AND ANCHORS , GENERAL

- A. General: Provide ties and anchors specified in subsequent articles that comply with requirements for metal and size of referenced unit masonry standard and of this article.
- B. Galvanized Carbon Steel Wire: ASTM A 82, coating class as required by referenced unit masonry standard for application indicated.
1. Wire Diameter: 0.1875 inch.
- C. Steel Plates and Bars: ASTM A 36, hot-dip galvanized to comply with ASTM A 123 or ASTM A 153, Class B3, as applicable to size and form indicated.

2.7 BENT WIRE TIES

- A. Individual units prefabricated from bent wire to comply with requirements indicated below:
- B. Tie Shape for Hollow Masonry Units Laid with Cells Vertical: Rectangular with closed ends and not less than 4 inches wide.

- C. Type for Masonry Where Coursing Between Wythes Align: Unit ties bent from one piece of wire.

2.8 ADJUSTABLE ANCHORS FOR CONNECTING MASONRY TO STRUCTURAL FRAMEWORK

- A. General: Two-piece assemblies as described below allowing vertical or horizontal differential movement between wall and framework parallel to plane of wall, but resisting tension and compression forces perpendicular to it.
- B. For anchorage to concrete framework, provide manufacturer's standard with dovetail anchor section formed from sheet metal and triangular-shaped wire tie section sized to extend within 1 inch of masonry face and as follows:
- C. For anchorage to steel framework provide manufacturer's standard anchors with crimped 1/4-inch-diameter wire anchor section for welding to steel and triangular-shaped wire tie section sized to extend within 1 inch of masonry face and as follows:
 - 1. Wire Diameter: 0.1875 inch.

2.9 MISCELLANEOUS ANCHORS

- A. Unit Type Masonry Inserts in Concrete: Cast iron or malleable iron inserts of type and size indicated.
- B. Dovetail Slots: Furnish dovetail slots, with filler strips, of slot size indicated, fabricated from 0.0336-inch (22-gage) sheet metal.
- C. Anchor Bolts: Steel bolts complying with A 307, Grade A; with ASTM A 563 hex nuts and, where indicated, flat washers; hot-dip galvanized to comply with ASTM A 153, Class C; of diameter and length indicated and in the following configurations:
 - 1. Headed bolts.

2.10 POSTINSTALLED ANCHORS

- A. Anchors as described below, with capability to sustain, without failure, load imposed within factors of safety indicated, as determined by testing per ASTM E 488, conducted by a qualified independent testing laboratory.
 - 1. Type: Chemical anchors.
 - 2. Corrosion Protection: Carbon steel components zinc-plated to comply with ASTM B 633, Class Fe/Zn 5 (5 microns) for Class SC 1 service condition (mild).
 - 3. For cast-in-place and postinstalled anchors in concrete: Capability to sustain, without failure, a load equal to 4 times loads imposed by masonry.
 - 4. For postinstalled anchors in grouted concrete masonry units: Capability to sustain, without failure, a load equal to 6 times loads imposed by masonry.

2.11 EMBEDDED FLASHING MATERIALS

- A. Sheet Metal Flashing: Fabricate from the following metal complying with requirements specified in Division 7 Section "Flashing and Sheet Metal" and below:
 - 1. Fabricate through-wall metal flashings embedded in masonry as follows:
 - a. With ribs formed in dovetail pattern at 3-inch intervals along length of flashing to provide a three-way integral mortar bond and weep-hole drainage.
 - 2. Fabricate metal expansion joint strips from sheet metal indicated above, formed to shape indicated.
 - 3. Application: Use where flashing is fully concealed in masonry.
- B. Vinyl Sheet Flashing: Flexible sheet flashings especially formulated from virgin polyvinyl chloride with plasticizers and other modifiers to remain flexible and waterproof in concealed masonry applications, black in color and of thickness indicated below:
 - 1. Thickness: 20 mils.
 - 2. Application: Use where flashing is partly concealed in masonry
- C. Solder and Sealants for Sheet Metal Flashings: As specified in Division 7 section "Flashing and Sheet Metal."

2.12 MISCELLANEOUS MASONRY ACCESSORIES

- A. Nonmetallic Expansion Joint Strips: Premolded filler strips complying with ASTM D 1056, Type 2 (closed cell), Class A (cellular rubber and rubber-like materials with specific resistance to petroleum base oils), Grade 1 (compression-deflection range of 2-5 psi), compressible up to 35 percent, of width and thickness indicated, formulated from the following material:
 - 1. Neoprene.
- B. Preformed Control Joint Gaskets: Material as indicated below, designed to fit standard sash block and to maintain lateral stability in masonry wall; size and configuration as indicated.
 - 1. Styrene-Butadiene Rubber Compound: ASTM D 2000, Designation 2AA-805.
- C. Bond Breaker Strips: Asphalt-saturated organic roofing felt complying with ASTM D 226, Type I (No. 15 asphalt felt).
- D. Weep Holes: Provide the following:
 - 1. Rectangular Plastic Tubing: Clear butyrate, 3/8 inch by 1-1/2 inches by 3-1/2 inches long.
 - 2. Plastic Weep Hole Nent: One-piece flexible extrusion manufactured from ultraviolet-resistant polypropylene co-polymer, designed to weep moisture in masonry cavity to

exterior, sized to fill head joints with outside face held back 1/8 inch from exterior face of masonry, in color selected from manufacturer's standard.

2.13 MASONRY CLEANERS

- A. Job-Mixed Muriatic Solution: Solution of 1 part muriatic acid and 10 parts clean water, mixed in a nonmetallic container with acid added to water.

2.14 MORTAR AND GROUT MIXES

- A. General: Do not add admixtures including coloring pigments, air-entraining agents, accelerators, retarders, water repellent agents, antifreeze compounds, or other admixtures, unless otherwise indicated.
1. Do not use calcium chloride in mortar or grout.
- B. Mortar for Unit Masonry: Comply with ASTM C 270, Property Specification for job-mixed mortar and ASTM C 1142 for ready-mixed mortar, of types indicated below:
1. Limit cementitious materials in mortar to portland cement-lime.
 2. For masonry below grade and in contact with earth, and where indicated, use type indicated below:
 - a. Type S.
 3. For reinforced masonry and where indicated, use type indicated below:
 - a. Type S.
 4. For exterior, above-grade loadbearing and nonloadbearing walls and parapet walls; for interior loadbearing walls; for interior nonloadbearing partitions, and for other applications where another type is not indicated, use type indicated below:
 - a. Type N.
- C. Colored Pigmented Mortar: Select and proportion pigments with other ingredients to produce color required.
- D. Grout for Unit Masonry: Comply with ASTM C 476 and referenced unit masonry standard.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other specific conditions, and other conditions affecting performance of unit masonry.

- B. Examine rough-in and built-in construction to verify actual locations of piping connections prior to installation.
- C. Do not proceed until unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. Comply with referenced unit masonry standard and other requirements indicated applicable to each type of installation included in Project.
- B. Thickness: Build cavity and composite walls and other masonry construction to the full thickness shown. Build single-wythe walls to the actual thickness of the masonry units, using units of nominal thickness indicated.
- C. Build chases and recesses as shown or required to accommodate items specified in this and other Sections of the Specifications. Provide not less than 8 inches of masonry between chase or recess and jamb of openings and between adjacent chases and recesses.
- D. Leave openings for equipment to be installed before completion of masonry. After installation of equipment, complete masonry to match construction immediately adjacent to the opening.
- E. Cut masonry units with motor-driven saws to provide clean, sharp, unchipped edges. Cut units as required to provide continuous pattern and to fit adjoining construction. Use full-size units without cutting where possible.

3.3 CONSTRUCTION TOLERANCES

- A. Comply with construction tolerances of referenced unit masonry standard.

3.4 LAYING MASONRY WALLS

- A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint widths and for accurate locating of openings, movement-type joints, returns, and offsets. Avoid the use of less-than-half-size units at corners, jambs, and where possible at other locations.
- B. Lay up walls to comply with specified construction tolerances, with courses accurately spaced and coordinated with other construction.
- C. Bond Pattern for Exposed Masonry: Lay exposed masonry in the following bond pattern; do not use units with less than nominal 4-inch horizontal face dimensions at corners or jambs.
 - 1. One-half running bond with vertical joint in each course centered on units in courses above and below align pattern veneer joints with units above and below at alternate courses.
- D. Lay concealed masonry with all units in a wythe in running bond or bonded by lapping not less

than 2 inches. Bond and interlock each course of each wythe at corners. Do not use units with less than nominal 4-inch horizontal face dimensions at corners or jambs.

- E. Stopping and Resuming Work: In each course, rack back 1/2-unit length for one-half running bond or 1/3-unit length for one-third running bond; do not tooth. Clean exposed surfaces of set masonry, wet clay masonry units lightly (if required), and remove loose masonry units and mortar prior to laying fresh masonry.
- F. Built-In Work: As construction progresses, build-in items specified under this and other Sections of the Specifications. Fill in solidly with masonry around built-in items.
 - 1. Fill space between hollow metal frames and masonry solidly with mortar, unless otherwise indicated.
 - 2. Fill cores in hollow concrete masonry units with grout 3 courses (24 inches) under bearing plates, beams, lintels, posts, and similar items, unless otherwise indicated.

3.5 MORTAR BEDDING AND JOINTING

- A. Lay hollow concrete masonry units as follows:
 - 1. With full mortar coverage on horizontal and vertical face shells.
 - 2. Bed webs in mortar in starting course on footings and in all courses of piers, columns, and pilasters, and where adjacent to cells or cavities to be filled with grout.
 - 3. For starting course on footings where cells are not grouted, spread out full mortar bed including areas under cells.
- B. Cut joints flush for masonry walls to be concealed or to be covered by other materials, unless otherwise indicated.

3.6 CAVITIES/AIR SPACES

- A. Keep cavities/air spaces clean of mortar droppings and other materials during construction. Strike joints facing cavities/air spaces flush.
- B. Install vents in vertical head joints at the top of each continuous cavity/air space. Space vents and close *off* cavities/air spaces vertically and horizontally with blocking in manner indicated.

3.7 HORIZONTAL JOINT REINFORCEMENT

- A. General: Provide continuous horizontal joint reinforcement as indicated. Install longitudinal side rods in mortar for their entire length with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcing a minimum of 6 inches.
- B. Cut or interrupt joint reinforcement at control and expansion joints, unless otherwise indicated.

- C. Provide continuity at corners and wall intersections by use of prefabricated "L" and "T" sections. Cut and bend reinforcement units as directed by manufacturer for continuity at returns, offsets, column fireproofing, pipe enclosures, and other special conditions.

3.8 ANCHORING MASONRY TO STRUCTURAL MEMBERS

- A. Anchor masonry to structural members where masonry abuts or faces structural members to comply with the following:
 - 1. Provide an open space not less than 1 inch in width between masonry and structural member, unless otherwise indicated. Keep open space free of mortar or other rigid materials.
 - 2. Anchor masonry to structural members with flexible anchors embedded in masonry joints and attached to structure.
 - 3. Space anchors as indicated, but not more than 24 inches o.c. vertically and 36 inches o.c. horizontally.

3.9 ANCHORING SINGLE-WYTHER MASONRY VENEER

- A. Anchor single-wythe masonry veneer to metal studs with masonry veneer anchors to comply with the following requirements:
 - 1. Fasten each anchor section through sheathing to metal studs with 2 metal fasteners of type indicated.
 - 2. Locate anchor section relative to course in which tie section is embedded to allow maximum vertical differential movement of tie up and down.
 - 3. Space anchors as indicated but not more than 18 inches o.c. vertically and 24 inches o.c. horizontally with not less than one anchor for each 2 sq. ft. of wall area. Install additional anchors within 1'-0" of openings and at intervals around perimeter not exceeding 8 inches.
- B. Install vents at the top of each continuous air space in masonry veneer walls.

3.10 MOVEMENT (CONTROL AND EXPANSION) JOINTS

- A. General: Install control and expansion joints in unit masonry where indicated, but not less than 30' - 0" o.c. typical. Build in related items as the masonry progresses. Do not form a continuous span through movement joints unless provisions are made to prevent in-plane restraint of wall or partition movement.
- B. Form control joints in concrete masonry as follows:
 - 1. Install preformed control joint gaskets designed to fit standard sash block.

3.11 LINTELS

- A. Provide masonry lintels where shown and wherever openings of more than 1'-0" for brick size units and 2'-0" for block size units are shown without structural steel or other supporting lintels. Provide precast or formed-in-place masonry lintels. Cure precast lintels before handling and installation. Temporarily support formed-in-place lintels.
 - 1. For hollow concrete masonry unit walls, use specially formed bond beam units with reinforcement bars placed as indicated and filled with coarse grout.
- B. Provide minimum bearing of 8 inches at each jamb, unless otherwise indicated.

3.12 FLASHING/WEEP HOLES

- A. General: Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, other obstructions to the downward flow of water in the wall, and where indicated.
- B. Prepare masonry surfaces so that they are smooth and free from projections that could puncture flashing. Place through-wall flashing on sloping bed of mortar and cover with mortar. Seal penetrations in flashing with adhesive/sealant/tape as recommended by flashing manufacturer before covering with mortar.
- C. Install flashings as follows:
 - 1. At lintels and shelf angles, extend flashing a minimum of 4 inches into masonry at each end. Extend flashing from exterior face of outer wythe of masonry, through the outer wythe, turned up a minimum of 4 inches, and through the inner wythe to within 1/2 inches of the interior face of the wall in exposed masonry. Where interior surface of inner wythe is concealed by furring, carry flashing completely through the inner wythe and turn up approximately 2 inches, unless otherwise indicated.
 - 2. At heads and sills, extend flashing as specified above unless otherwise indicated but turn up ends not less than 2 inches to form a pan.
 - 3. Interlock end joints of ribbed sheet metal flashings by overlapping ribs not less than 1-1/2 inches or as recommended by flashing manufacturer and seal lap with elastomeric sealant complying with requirements of Division 7 Section "Joint Sealers" for application indicated.
 - 4. Cut *off* flashing flush with face of wall after masonry wall construction is completed.
- D. Install weep holes in the head joints in exterior wythes of the first course of masonry immediately above embedded flashings and as follows:
 - 1. Form weep holes with product specified in Part 2 of this Section.
 - 2. Space weep holes 24 inches o.c.

3.13 INSTALLATION OF REINFORCED UNIT MASONRY

- A. General: Install reinforced unit masonry to comply with requirements of referenced unit masonry standard.

- B. Temporary Formwork: Construct formwork and shores to support reinforced masonry elements during construction.
 - 1. Construct formwork to conform to shape, line, and dimensions shown. Make sufficiently tight to prevent leakage of mortar and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
- C. Do not place grout until entire height of masonry to be grouted has attained sufficient strength to resist grout pressure.
- D. Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and other temporary loads that may be placed on them during construction.

3.14 REPAIRING, POINTING, AND CLEANING

- A. Remove and replace masonry units that are loose, chipped, broken, stained, or otherwise damaged or if units do not match adjoining units. Install new units to match adjoining units and in fresh mortar or grout, pointed to eliminate evidence of replacement.
- B. Pointing: During the tooling of joints, enlarge any voids or holes, except weep holes, and completely fill with mortar. Point-up all joints including corners, openings, and adjacent construction to provide a neat, uniform appearance, prepared for application of sealants.
- C. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
 - 1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
 - 2. Test cleaning methods on sample wall panel; leave 1/2 panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of masonry.
 - 3. Protect adjacent stone and non-masonry surfaces from contact with cleaner by covering them with liquid strippable masking agent, polyethylene film, or waterproof masking tape.
 - 4. Wet wall surfaces with water prior to application of cleaners; remove cleaners promptly by rinsing thoroughly with clear water.
 - 5. Clean brick by means of bucket and brush hand-cleaning method described in BIA "Technical Note No. 20 Revised" using the following masonry cleaner:
 - a. Job-mixed acidic solution.
 - 6. Clean concrete masonry by means of cleaning method indicated in NCMA TEK 45 applicable to type of stain present on exposed surfaces.
- D. Protection: Provide final protection and maintain conditions, in a manner acceptable to Installer, that ensure unit masonry is without damage and deterioration at time of Substantial Completion.

3.15 EXECUTION FOR PRE-FACED CONCRETE BLOCK UNITS

- A. Execution: Inspect related conditions; do not start at any location until all adverse conditions at that location have been corrected.
- B. Lighting: Do not work without proper lighting.
- C. Floor Surface: Test for straightness, levelness. Notify job superintendent where grinding or troweled filler corrections are needed.
- D. Aligning Base Course: Do not set base course to follow an inaccurate floor line.
- E. Cove Base at Thin Floor Covering: Set cove base tight to a straight, level floor so edge of floor covering will hide the joint.
- F. Workmanship: Align glazed faces plumb, level and true to line; uniform joint widths carefully tooled; joints arranged neat and symmetrical, cut units sized and located for best appearance; free of imperfections detracting from overall appearance when viewed at 90 degrees from 5 feet.
- G. Cutting: For all cuts, including chases, holes and notches for pipes, switch boxes, etc., use saw and other power tools.
- H. Jointing: Except where tuckpointing is noted, strike and tool setting mortar.
- I. Tuckpointing: Rake out joints at least $\frac{1}{4}$ ". Tuckpoint with the required mortar type. Do not use smeared grout method to fill joints.
- J. Horizontal Reinforcing: Use in accordance with best practices for concrete block work and applicable building codes.
- K. Vertical Control Joints: Use in accordance with best practice for concrete block work.
- L. Exterior Weep Vent Installation: Where applicable, use weep vents at least 4" long in vertical joint for every second block in base course immediately above grade and immediately above flashing, bond beams, solid fill or other water-stop locations.
- M. Keeping Glaze Clean: Wipe off all mortar smears and spatters at once, using clean, soft, damp rags. Do not allow hardening.
- N. Final Cleardown: Use industrial strength detergents in strict accordance with cleaner manufacturer's instruction, including thorough rinsing. Damp-dry with clean, soft rags. **Do not use steel wool, other abrasives or any products containing unbuffered hydrochloric acid.**

END OF UNIT MASONRY

SECTION 081113 - STEEL DOORS AND FRAMES

PART - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related work specified elsewhere includes:
 - 1. Section 04200 - "Unit Masonry"
 - 2. Section 06100 - "Rough Carpentry"
 - 3. Section 08710 - "Finish Hardware"
 - 4. Section 08800 - "Glass and Glazing"
 - 5. Section 09250 - "Gypsum Drywall"
 - 6. Section 09900 - "Painting"
 - 7. Division 15 - "Mechanical" (door louvers with fire dampers)

1.2 DESCRIPTION OF WORK:

- A. Work described in this section includes steel doors and steel frames.
 - 1. All frames shall be equally and double rabbetted; except where single-rabbetted frames are specifically indicated on the Drawings - if any.

1.3 QUALITY ASSURANCE:

- A. Provide doors and frames complying with Steel Door Institute "Recommended Specifications: Standard Steel Doors and Frames" (SDI-100) and as herein specified.
- B. Fire-Rated Door Assemblies:
 - 1. Where fire-rated door assemblies are indicated or required, provide fire-rated door and frame assemblies that comply with NFPA 80 "Standard for Fire Doors and Windows," and have been tested, listed and labeled in accordance with ASTM E 152 "Standard Methods of Fire Tests of Door Assemblies" by a nationally recognized independent testing and inspection agency acceptable to authorities having jurisdiction.
 - 2. Labels mounted on doors and door frames must indicate the time rating of the door/frame assembly.
- C. Refer to Division 1 Section "Special Conditions", for additional information and minimum experience requirements.

1.4 SUBMITTALS:

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

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- B. Product Data: Submit manufacturer's technical product data substantiating that products comply with requirements.
 - C. Shop Drawings:
 - 1. Submit for fabrication and installation of steel doors and frames. Include details of each frame type, elevations of door design types, conditions at openings, details of construction, location and installation requirements of finish hardware and reinforcements, and details of joints and connections. Show anchorage and accessory items.
 - 2. Provide schedule of doors and frames using same reference numbers for details and openings as those on contract drawings.
 - 3. Coordinate glazing frames and stops with glass and glazing requirements.

1.5 DELIVERY, STORAGE AND HANDLING:

- A. Comply with manufacturer's current written instructions and recommendations.
- B. Deliver hollow metal work cartoned or crated to provide protection during transit and job storage. Provide additional sealed plastic wrapping for factory finished doors.
- C. Inspect hollow metal work upon delivery for damage. Minor damages may be repaired provided finish items are equivalent in all respects to new work and acceptable to Architect; otherwise, remove and replace damaged items as directed.
- D. Store doors and frames at building site under cover. Place units on minimum 4-inch-high wood blocking. Avoid use of non-vented plastic or canvas shelters which could create humidity chamber. If cardboard wrapper on door becomes wet, remove carton immediately. Provide 1/4-inch spaces between stacked doors to promote air circulation.
- E. Refer to Division 1 Sections "Summary of Work" and "Special Conditions" for additional information and requirements regarding stored materials.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

- A. Manufacturer: Subject to compliance with requirements, provide steel doors and frames by one of the following:
 - 1. Steel Doors and Frames, (General):
 - a. Amweld Div, American Welding & Mfg. Co.,
 - b. Builder's Manufacturing Company
 - c. Ceco Corp.
 - d. Curries Manufacturing, Inc.
 - e. Dittco Products Inc.
 - f. Fenestra Corp.
 - g. Habersham Metal Products Company
 - h. Mesker Industries, Inc.
 - i. MPI Group.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

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- j. Overly Manufacturing Company
 - k. Pioneer Bldrs. Products Corp./Div. CORE Industries, Inc.
 - l. Republic Builders Products Corp./Subs. Republic Steel.
 - m. SteelCraft/Div. American Standard Co.
2. Thermal Rated Steel Door and Frame Assemblies:
- a. Subject to compliance with requirements, any above named manufacturer.
 - b. Ceco Corp.
 - c. Copco Door Co.
 - d. Curries Mfg., Inc.
 - e. Fenestra Corp.
 - f. Mesker Industries, Inc.
 - g. Pioneer Bldrs, Products Corp./Div. CORE Industries, Inc.

2.2 MATERIALS:

- A. Hot-Rolled Steel Sheets and Strip: Commercial quality carbon steel, pickled and oiled, complying with ASTM A 569 and ASTM A 568.
- B. Cold-Rolled Steel Sheets: Commercial quality carbon steel, complying with ASTM A 366 and ASTM SA 568.
- C. Galvanized or Galvanealed Steel Sheets; Smooth and Paintable Finish: Zinc-coated carbon steel sheets of commercial quality, complying with ASTM A 526, with ASTM A 525, G60 zinc coating, mill phosphatized; or ASTM A60 Galvannealed.
- D. Supports and Anchors: Fabricate of not less than 18-gage galvanized sheet steel.
- E. Inserts, Bolts and Fasteners: Manufacturer's standard units, except hot-dip galvanize items to be built into exterior walls, complying with ASTM A 153, Class C or D as applicable.
- F. Galvanizing Repair Paint: High zinc dust content paint for repair of galvanized surfaces damaged by fabrication or welding, complying with M.I. Specification MIL-P-21035.
- G. Shop Applied Primer: Rust-inhibitive enamel or paint, either air drying or baking, suitable as a base for specified finish paints.

2.3 FABRICATION:

- A. Fabricate steel door and frame units to be rigid, neat in appearance and free from defects, warp or buckle. Wherever practicable, fit and assemble units in manufacturer's plant. Clearly identify work that cannot be permanently factory assembled before shipment, to assure proper assembly at project site.
- B. Fabricate exposed faces of doors and panels, including stiles and rails of non-flush units, from only cold-rolled steel.
- C. Fabricate frames, concealed stiffeners, reinforcement, edge channels, louvers and moldings from either cold-rolled or hot-rolled steel (at fabricator's option).

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

- D. Fabricate exterior doors, panels and frames from galvanized sheet steel. Close top and bottom edges of exterior doors as integral part of door construction or by addition of minimum 16-gauge inverted steel channels.
 - 1. Use galvanizing repair paint for surfaces damaged by fabrication or welding.
- E. Exposed Fasteners: Unless otherwise indicated, provide countersunk flat Phillips heads for exposed screws and bolts.
- F. Thermal-Rated (Insulating) Assemblies:
 - 1. At exterior locations and elsewhere as shown or scheduled, provide doors which have been fabricated as thermal insulating door and frame assemblies and tested in accordance with ASTM C 236.
 - 2. Unless otherwise indicated, provide urethane insulated thermal-rated assemblies with U factor of 0.12 Btu, (hr. x sq. ft. x deg. F) at 15 mph exterior wind velocity when tested in accordance with ASTM C 1363, or better.
- G. Finish Hardware Preparation:
 - 1. Prepare doors and frames to receive mortise and concealed finish hardware in accordance with final Finish Hardware Schedule and templates provided by hardware supplier. Comply with applicable requirements of ANSI A 115 series specifications for door and frame preparation for hardware.
 - 2. Reinforce doors and frames to receive surface applied hardware. Drilling and tapping for surface-applied finish hardware may be done at project site.
 - 3. Locate finish hardware as indicated on final shop drawings, or if not indicated, in accordance with "Recommended Locations for Builders' Hardware," published by Door and Hardware Institute.
- H. Shop Painting:
 - 1. Clean, treat and paint exposed surfaces of steel door and frame units, including galvanized surfaces.
 - 2. Clean steel surfaces of mill scale, rust, oil, grease, dirt and other foreign materials before application of paint.
 - 3. Use galvanizing repair paint for surfaces damaged by fabrication or welding, prior to prime coat.
 - 4. Apply shop coat of prime paint of even consistency to provide a uniformly finished surface ready to receive finish paint.
 - 5. Do not paint fire labels on doors or frames.

2.4 STANDARD STEEL DOORS:

- A. Provide metal doors of types and styles as indicated on drawings or schedules, of seamless, hollow steel construction with 16-gauge face sheets. Form exterior doors of hot dip galvanized steel.

2.5 STANDARD STEEL FRAMES:

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

- A. Provide metal frames for doors, transoms, sidelights, borrowed lights, and other openings, of types and styles as shown on drawings and schedules. Conceal fastenings, unless otherwise indicated. Fabricated frames of minimum 16-gauge cold-rolled furniture steel.
 - 1. Frames for doors 7'-10" or more in height and/or over 3'-5" in width: 14 gauge cold-rolled furniture steel, and one additional hinge, whether or not indicated in hardware schedule.
- B. Frames shall be formed by press brake with corners sharp and true. Corners shall be mitered and accurately fitted, and shall be fully electrically welded and then ground smooth. Removable spreaders shall be welded to the bottom of the frame. Frames shall be accurately mortised for hardware.
- C. A minimum of three wall anchors shall be provided at each jamb, except four at doors 7'-10" high or more, and six at doors 10-foot high or more. Anchors shall be attached to door frames, adjustable, suitable for wall conditions and job requirements, and shall be 16 gauge minimum. Floor anchors shall be provided and welded to foot of each jamb with two 5/16" holes for securing to the floor.
- D. Reinforcements of adequate gauge shall be provided for strikes, closers and brackets and other surface applied hardware for field drilling and tapping.
- E. Form exterior frames of hot dip galvanized steel.
- F. Door Silencers: Except on weatherstripped frames, drill stops to receive 3 silencers on strike jambs of single-swing frames and 2 silencers on heads of double-swing frames. Provide silencers equivalent to "GJ64" silencers as manufactured by Glenn-Johnson Corp., for metal frames, when not provided under the work of Section 08710 - "Finish Hardware."
 - 1. Provide additional door silencers at doors over 3'-0" wide or 7'-0" in height.
- G. Plaster Guards: Provide 26-gauge steel plaster guards or mortar boxes, welded to frame, at back of finish hardware cutouts where mortar or other materials might obstruct hardware operation.

2.6 DOOR LOUVERS:

- A. Provide prefabricated louvers according to SDI 111C, at locations indicated, with blades or baffles formed of 0.0239-inch (0.6-mm) thick cold-rolled steel sheet set into minimum 0.0359-inch (0.9-mm) thick steel frame; Galvanized at exterior.
 - 1. Sight-Proof Louvers: Stationary louvers constructed with inverted Y-shaped blades. Minimum free air area calculated per AMCA shall be 36-percent.
 - a. Refer to Division 15 "Mechanical" for door louvers with fire dampers.
 - 2. Finish:
 - a. Surface Preparation: Solvent clean surfaces to comply with SSPC-SP 1 to remove dirt, oil, grease, and other contaminants that could impair paint bond. Remove mill scale and rust, if present, from uncoated steel, to comply with SSPC-SP 5 (White Metal Blast Cleaning) or SSPC-SP 8 (Pickling).

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

- b. Pretreatment: Immediately after surface preparation, apply conversion coating of type suited to organic coating applied over it.
 - c. Baked Enamel Finish: Immediately after cleaning and pretreating, apply manufacturer's standard 2-coat baked enamel finish, consisting of prime coat and thermosetting topcoat that complies with ANSI A250.3. Comply with paint manufacturer's current written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils (0.0508 mm).
 - d. Color and Gloss: As selected by Architect from manufacturer's full range of choices for standard non-metallic colors and gloss.
 3. Final finish painting is specified in Section 09900 - "Painting," not the work of this Section 08110.
- B. Provide removable bird screens for exterior louvers.
 1. Fabricate screen frames of same metal and finish as louver units to which secured, unless otherwise indicated.
 2. Provide frames consisting of U-shaped metal for permanently securing screen mesh.
 3. Use 1/4-inch x 1/4-inch mesh formed with 0.063-inch diameter aluminum wire.
 4. Color: To match louver, or black.
 5. Locate screens on inside face of louvers. Secure screens to louver frames with machine screws, spaced at each corner and at 12-inch o.c. between.

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. General: Install standard steel doors, frames and accessories in accordance with final shop drawings and manufacturer's data, and as herein specified.
- B. Placing Frames:
 1. Comply with provisions of SDI-1-06 "Recommended Erection Instructions for Steel Frames," unless otherwise indicated.
 2. Except for frames located at in-place concrete or masonry, place frames prior to construction of enclosing walls and ceilings. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders leaving surfaces smooth and undamaged.
 3. In masonry construction, locate a minimum of 3 wall anchors per jamb at hinge and strike levels. Add 1 wall anchor per jamb at hinge and strike levels for each whole 1'-10" height increment over 6'-0"; Similar at glazed and cased openings. Fill solid with grout as adjacent construction progresses.
 4. At in-place concrete or masonry construction, set frames and secure to adjacent construction with machine screws and masonry anchorage devices.
 5. In metal stud partitions, install at least 3 wall anchors per jamb at hinge and strike levels. Attach wall anchors to studs with tapping screws. Add additional anchors as indicated in Paragraph 3.1-B3 above.
 6. Install fire-rated frames in accordance with NFPA Std. No. 80.
- C. Door Installation:

1. Fit hollow metal doors accurately in frames, within clearances specified in SDI-100.
2. Place fire-rated doors with clearances as specified in NFPA Std. No. 80.
3. Install silencers after all painting of doors and frames has been completed.

3.2 ADJUST AND CLEAN:

A. Prime Coat Touch-up:

1. Immediately after erection, sand smooth any rusted or damaged areas of prime coat and apply touch-up of compatible air-drying primer.
2. Use galvanizing repair paint for galvanized surfaces, prior to prime coat.

B. Final Adjustments: Check and readjust operating finish hardware items, leaving steel doors and frames undamaged and in complete and proper operating condition.

END OF STEEL DOORS AND FRAMES

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

SECTION 090000 – MATERIAL AND FINISH CODES

TAG	DIVISION	SPECIFICATION SECTION	DESCRIPTION
AC	095100	ACOUSTICAL PANEL CEILINGS	
AC-01	095100	ACOUSTICAL CEILING TILE	
		Manufacturer	ARMSTRONG
		Product Name	OPTIMA - 1410WH
		Grid	SQUARE TEGULAR 9/16"
		Size	2' X 4', 2' X 4, per plan'
		Color / Finish	WHITE
		NRC Rating	0.95 NRC
AWP	098433	SOUND ABSORBING WALL UNITS	
AWP-01	098433	ACOUSTICAL WALL PANEL	
		Manufacturer	ARMSTRONG
		Product Name	TECTUM FINALE WALL PANELS
		Size	2'X4 / 4'X4' / 4'X8'
		Color / Finish	COLOR TO MATCH PT-02, PT-07, PT-08, PT-09
		NRC Rating	0.90 NRC
CPT	096810	CARPET	
CPT-01	096810	CARPET TILE	
		Manufacturer	FORBO
		Product Name	FLOTEX CONVERGE
		Size	40"X10"
		Color / Finish	AURORA - 141002
		Installation Method	HERRINGBONE
PL	064000	ARCHITECTURAL WOODWORK	
PL-01	064000	PLASTIC LAMINATE CABINET	
		Manufacturer	FORMICA COLORCORE2
		Product Name	928C-58
		Color / Finish	STORM / MATTE

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

PT	099100	PAINTING	
PT-01	099100	PAINT	NOT USED
PT-02	099100	PAINT	GENERAL WALL PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	GENERAL WHITE - SW 7008 ALABASTER
		Finish	EPOXY
		Location	
PT-03	99100	PAINT	DETENTION CEILING PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 7757 HIGH REFLECTIVE WHITE
		Finish	EPOXY
		Location	
PT-04	099100	PAINT	GENERAL WALL PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	ACCENT GRAY - SW 7643 PUSSYWILLOW
		Finish	EPOXY
		Location	
PT-05	099100	PAINT	DOOR/GLAZING FRAMES
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 7069 IRON ORE
		Finish	EPOXY
		Location	
PT-06	099100	PAINT	ACCENT PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 9056 FRENCH MOIRE
		Finish	EPOXY
		Location	MENTAL HEALTH DOOR FRAMES
PT-07	099100	PAINT	ACCENT PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 7742 AGATE GREEN

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

		Finish	EPOXY
		Location	
PT-08	099100	PAINT	ACCENT PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 9058 SECRET COVE
		Finish	EPOXY
		Location	MENTAL HEALTH
PT-09	099100	PAINT	ACCENT PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 6550 MYTHICAL
		Finish	EPOXY
		Location	
PT-10	099100	PAINT	CEILING PAINT
		Manufacturer	SHERWIN WILLIAMS
		Product Name/Color	SW 7008 ALABASTER
		Finish	FLAT
		Location	
RF	096500	RESILIENT FLOORING AND ACCESSORIES	
LVT-01	965000	RESILIENT FLOORING	
		Manufacturer	INTERFACE
		Product Name	BRUSHED LINES
		Size / Thickness	25CMX1M
		Color / Finish	SANDALWOOD A01608
		Location	CONTROL ROOM
RB-01	965000	RESILIENT BASE	
		Manufacturer	TARKETT
		Product Name	TRADITIONAL RUBBER BASE
		Size / Thickness	4"
		Color / Finish	BURNT UMBER
		Location	EXAM

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

SSM	123661	SIMULATED STONE COUNTERTOPS	
SSM-01	123661	SOLID SURFACE COUNTERTOP	
		Manufacturer	KRION
		Product Name	SOLID SURFACE
		Size / Thickness	N/A
		Color / Finish	STAR SERIES / GREY STAR / 7905
SC	033543	POLISHED CONCRETE FINISHING	
CS-01		SEALED CONCRETE	
		Manufacturer	EUCLID CHEMICAL CO.
		Product Name	EUCO DIAMOND HARD
		Size / Thickness	N/A
		Color / Finish	CLEAR
HPC	099613	SPECIALTY FINISH	
HPC-01	099613	SPECIALTY FINISH	
		Manufacturer	PRIMECOAT - SEAMLESS COATING SYSTEM
		Product Name	SEAMLESS SYSTEM 5130
		Size / Thickness	
		Color / Finish	White - C-18
DPS	111940	DETENTION PADDED SURFACE SYSTEMS	
DPS-01	111940	DETENTION PADDED SURFACE	
		Manufacturer	PRIMECOAT - SAFETY PADDING
		Product Name	PRIME FLEX 4730
		Size / Thickness	PER SPECIFICATIONS
		Color / Finish	White - C-03 Light Gray

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

SC			
SC-01		SECURITY CEILING	
		Manufacturer	NOT USED
		Product Name	
		Grid	
		Size	
		Color / Finish	
		NRC Rating	
SC-02		SECURITY CEILING	NOT USED
		Manufacturer	
		Product Name	
		Grid	
		Size	
		Color / Finish	
		NRC Rating	
		Notes	
SC-03		SECURITY CEILING	
		Manufacturer	TRUSSBILT- BASIS OF DESIGN
		Product Name	TRUSSDEK - DOUBLE SKIN SHIP-LAP JOINT PLANK CEILING SYSTEM
		Grid	
		Size	24"X6' / 24"X8' / 24"X10'
		Color / Finish	PT-03
		NRC Rating	
		Notes	EXCLUDE ACOUSTIC PERFORATIONS

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

Addendum #3

June 12, 2023

Project No. 21.01020.00

SECTION 090001 – FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING	WALL FINISH COMMENTS
M- 124	ENTRY	CS-01	PT	Open to Struct	
M-131	OFFICE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-132	OFFICE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-133	EQUIP STORAGE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-134	CORRIDOR	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-135	SOILED LAUNDRY	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-136	CLEAN LAUNDRY	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-137	NURSE STATION	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-138	CORRIDOR	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
M-139	VESTIBULE	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
M-140	2-BED ISOLATION	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-141	VESTIBULE	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
M-142	2-BED ISOLATION	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-143	VESTIBULE	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
M-144	2-BED ISOLATION	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-145	VESTIBULE	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
M-146	1-BED ADA OBS	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-147	2-BED OBS	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

					MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-148	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
M-149	SGT OFC	CPT-04	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
M-150	2-BED OBS	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-151	2-BED OBS	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M-152	2-BED OBS	CS-01	PT	SC-03	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
M- 153	MED CHASE 1	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
M- 154	MED CHASE 2	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1301	VESTIBULE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1302	CONTROL	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1303	VESTIBULE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1304	REC YARD	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1305	VESTIBULE	CS-01	PT	GYP & Open to Struct	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-04 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON. SEE ELEVATION FOR ACOUSTIC WALL PANEL REQUIREMENTS. GPY BOARD CEILING AT ENTRANCE OF VESTIBULE TO BE PAINTED PT-10. SEE REFLECTED CEILING PLAN FOR SPECIFIC LOCATION.
H- 1306	1-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H- 1307	1-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H- 1308	2-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H- 1309	2-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H- 1310	2-BED CELL	CS-01	PT	SC-03	REAR SOUTH AND SOUTHEAST PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PAINTED PT-06, EXCLUDING CELL DOOR.
H- 1311	TOILET	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H- 1312	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1313	INTERVIEW	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H- 1314	INTERVIEW	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H-1315	1-BED ADA CELL	CS-01	PT	SC-03	ENTIRE WEST WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1316	1-BED ADA CELL	CS-01	PT	SC-03	ENTIRE WEST WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H- 1317	INTERVIEW	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H-1318	INTERVIEW	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H- 1319	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H-1320	VESTIBULE	CS-01	PT	GYP & Open to Struct	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-04 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON. SEE ELEVATION FOR ACOUSTIC WALL PANEL REQUIREMENTS. GPY BOARD CEILING AT ENTRANCE OF VESTIBULE TO BE PAINTED PT-10. SEE REFLECTED CEILING PLAN FOR SPECIFIC LOCATION.
H- 1321	JANITOR	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1322	1-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1323	2-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1324	2-BED CELL	CS-01	PT	SC-03	REAR PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1325	2-BED CELL	CS-01	PT	SC-03	REAR NORTH AND NORTHEAST PLUMBING WALL TO BE PAINTED PT-08. CELL WINDOW AND DOOR FRAMES TO BE PATINED PT-06, EXCLUDING CELL DOOR.
H-1326	2-BED CELL	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H- 1401	NURSE OFC	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H- 1402	INTERIVEW	CS-01	PT	SC-03	ALL WALLS TO BE PAINTED PT-02
H- 1403	PADDED CELL	DPS-01	DPS-01	SC-03 WITH HPC-01	PAINT PRIME COATED CEILING PANELS WITH HPC-01
H- 1404	1-BED ADA CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H-1405	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1406	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1407	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1408	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1409	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1410	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1411	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1412	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1413	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H-1414	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1415	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H- 1416	REC YARD	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1417	SALLY PORT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1418	REC YARD	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1419	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1420	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1422	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1423	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1424	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1425	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H-1426	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1427	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1428	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1429	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1430	1-BED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1431	PADDED CELL	CS-01	PT	CS-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H- 1432	SGT OFC	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H- 1433	CORRIDOR	CS-01	PT	GYP & Open to Struct	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-04 ON BOTTOM HALF OF WALL. MATCH HEIGHT OF EXISTING GREY PAINT, UON. SEE ELEVATION FOR ACOUSTIC WALL PANEL REQUIREMENTS. GPY BOARD CEILING AT ENTRANCE OF CORRIDOR TO BE PAINTED PT-10. SEE REFLECTED CEILING PLAN FOR SPECIFIC LOCATION.
H- 1444	STORAGE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1443	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

H- 1442	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1441	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1440	JANITOR	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H- 1439	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1438	CHASE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1437	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1436	PROP STORAGE	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1435	PROP STORAGE	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H 1503	2 BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1504 A	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1504 B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1505	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1506	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1507	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1508	DAYROOM	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-07
H-1509	CORRIDOR	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H- 1510	CONTROL	LVT-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H-1511	TOILET	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H-1512	CORRIDOR	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1501	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1502	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1522	DAYROOM	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-07 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-07
H-1513	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1514	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1515	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1516	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1517A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1518	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H- 1517B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1519	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1520	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1521	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1532	DAYROOM	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-08.
H-1523	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1524	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1525	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1526A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1527	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1526B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1528	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1529	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1530	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1531	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1533	DAYROOM	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-08.
H-1534	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1535	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1536	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1537	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1537A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1538	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1537B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1539	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1540	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1541	SALLY PORT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

					WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-08.
H-1552	DAYROOM	CS-01	PT	AC-01	
H-1543	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1544	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1545	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H- 1546A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H-1547	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1546B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1548	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1549	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1550	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1551	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
					WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-09.
H-1562	DAYROOM	CS-01	PT	AC-01	
H-1553	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1554	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1555	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1556A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1557	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1556B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1558	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1559	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1560	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1561	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
					WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-09.
H-1566	DAYROOM	CS-01	PT	AC-01	
H-1563	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1564	2-BED ADA CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

H-1565A	ADA SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1565B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1571	DAYROOM	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-09 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON. ACOUSTIC PANELS TO MATCH PT-09.
H-1567	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1568	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1569	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-1570A	SHOWER	HPC-01	HPC-01	HPC-01	ALL WALLS TO BE PAINTED HPC-01.
H- 1570B	CHASE	CS-01	PT-02	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1578	CORRIDOR	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-1572	JANITOR	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H-1573	STAFF TOILET	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H-1574	NURSE OFFICE	CPT-01	RB-01	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1575	INTERVIEW	CPT-01	PT	SC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1576	STORAGE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
H-1577	MULTI-PURPOSE	CS-01	PT	AC-01	WALLS TO BE TWO TONED. PAINTED PT-02 ON TOP HALF OF WALL AND PT-08 ON BOTTOM HALF OF WALL. ACCENT PAINT TO MATCH HEIGHT OF EXISTING GREY PAINT, UON.
H-1579	REC YARD	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
H-2224	CELL TIER	CS-01	PT	GYP	ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2225	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2226	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2227	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2228	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2229	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2230	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3**Project No. 21.01020.00**

H-2231	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2232	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2233	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2234	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2235	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2236	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2237	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2238	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2239	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2240	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2241	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2242	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2243	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2244	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2245	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2246	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2247	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2248	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2249	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2250	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2251	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2252	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2253	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2254	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2255	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2256	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2257	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2258	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2259	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2260	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10

SHELBY COUNTY JAIL EXPANSION

Shelby County, Alabama

June 12, 2023

Addendum #3

Project No. 21.01020.00

H-2261	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2262	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2263	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2264	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2265	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2266	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2267	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2268	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2269	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2270	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2271	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2272	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2273	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2274	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2275	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2276	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2277	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2278	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2279	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2280	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2281	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2282	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2283	CELL TIER	CS-01	PT	GYP	ALL WALLS TO BE PAINTED PT-02. ALL GYP BOARD CEILINGS TO BE PAINTED PT-10
H-2284	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2285	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2286	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
H-2287	2-BED CELL	CS-01	PT	CS-01	ALL WALLS TO BE PAINTED PT-02
S- 2001	MECHANICAL	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S- 120	ELECTRICAL	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S- 121	GENERATOR EQUIPMENT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-131	CORRIDOR	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02

SHELBY COUNTY JAIL EXPANSION**Shelby County, Alabama****June 12, 2023****Addendum #3****Project No. 21.01020.00**

S-132	CHASE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-133	STORAGE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
S-134	ELEC	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
S-135	CHASE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-136	CHASE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-137	SEC/IT	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
S-138	MECHANICAL ROOM ACCES	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-140	SUPPORT	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
S-141	SALLY PORT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-142	SALLYPORT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-143	CHASE	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
S-145	SALLY PORT	CS-01	PT	Open to Struct	ALL WALLS TO BE PAINTED PT-02
B-132	ISSUE STORAGE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
B-136	OFFICE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
B-137	OFFICE	CS-01	PT	AC-01	ALL WALLS TO BE PAINTED PT-02
A-100	CENTRAL CONTROL	CPT-01	PT	EXIST.	ALL WALLS TO BE PAINTED PT-02



Project
SHELBY COUNTY JAIL
EXPANSION
380 MCDOW ROAD,
COLUMBIANA, ALABAMA 35051

Prepared For
SHELBY COUNTY, AL
200 WEST COLLEGE STREET
COLUMBIANA, ALABAMA 35051



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Key Plan

Professional Seals

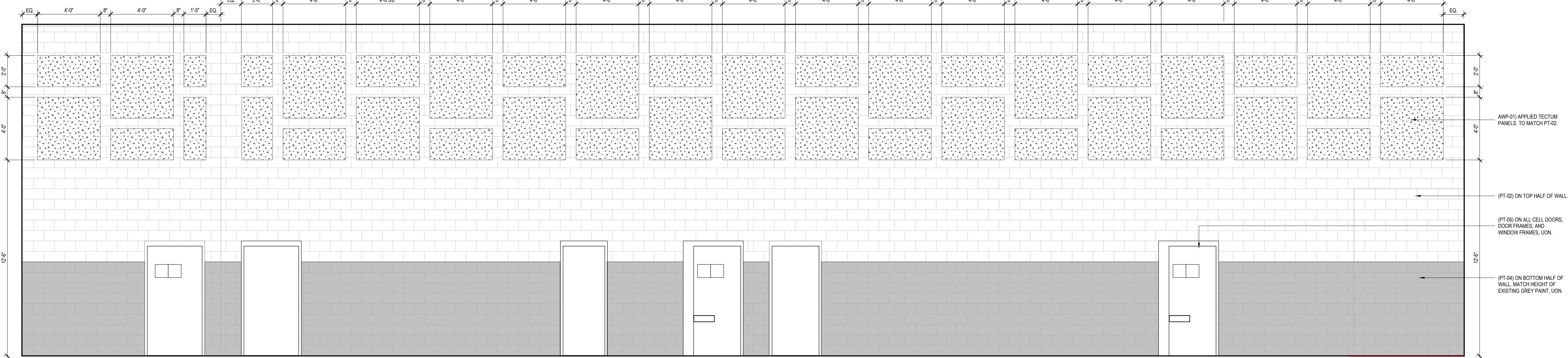
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1	ADDENDUM #3	2023.07.21

Project No: 21.01020.00
Sheet Title:

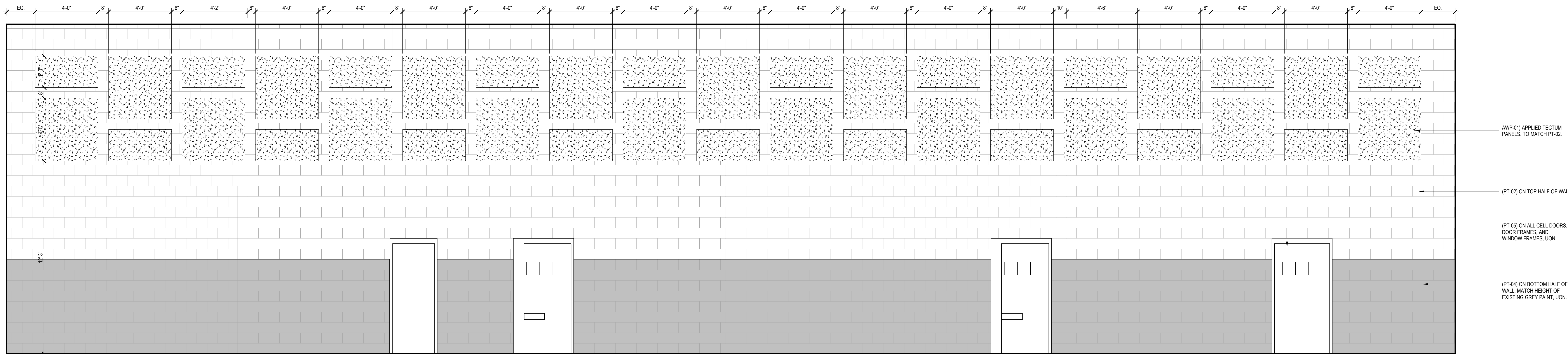
INTERIOR
ELEVATIONS

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Sheet Number:

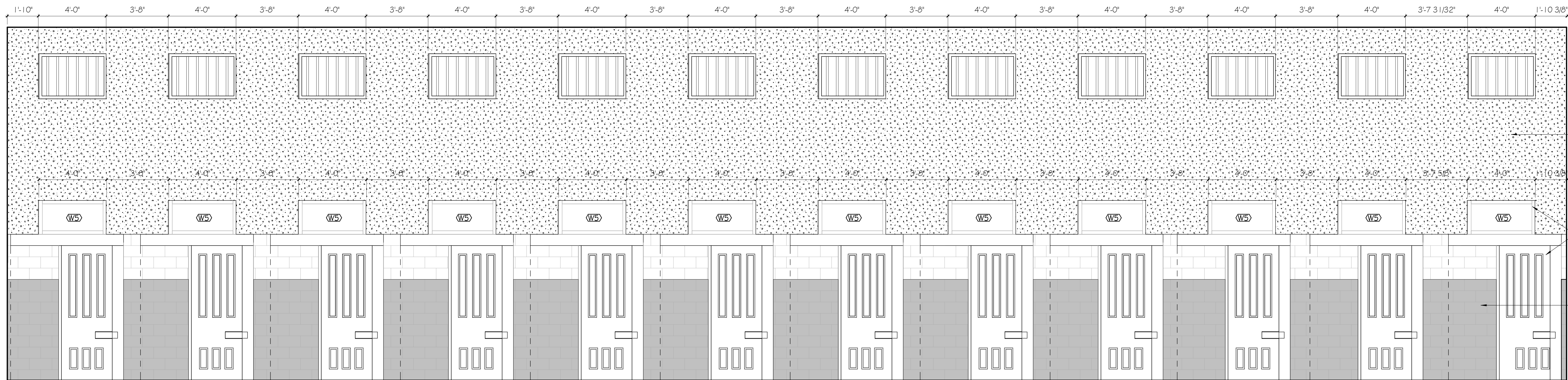
A702



3 INTERIOR ELEVATION - SEGREGATION INTERIOR WALL NORTH
3/8" = 1'-0"



2 INTERIOR ELEVATION - SEGREGATION INTERIOR WALL SOUTH
3/8" = 1'-0"

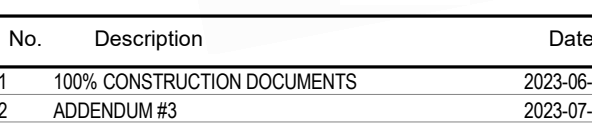


1 INTERIOR ELEVATION - SEGREGATION CELL FRONT WALL
3/8" = 1'-0"

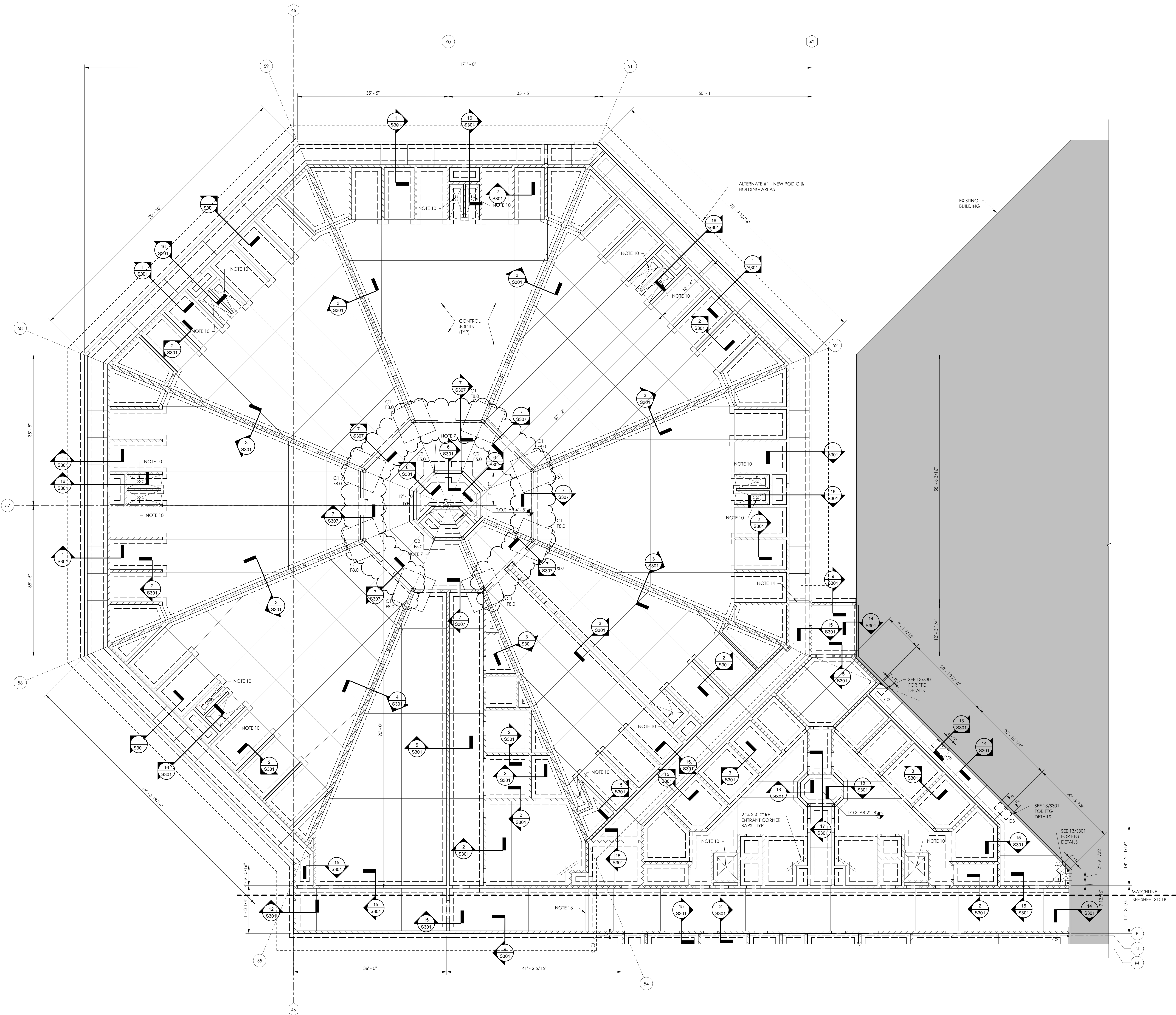
Prepared For
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100 WEST COLLEGE STREET
COLUMBIANA, ALABAMA 35051



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Sheet Title
FLOOR AND FOUNDATION
PLAN AREA A

Sheet Number **0101A**Sheet Number **S101A**

SCALE: 1/8" = 1'-0"

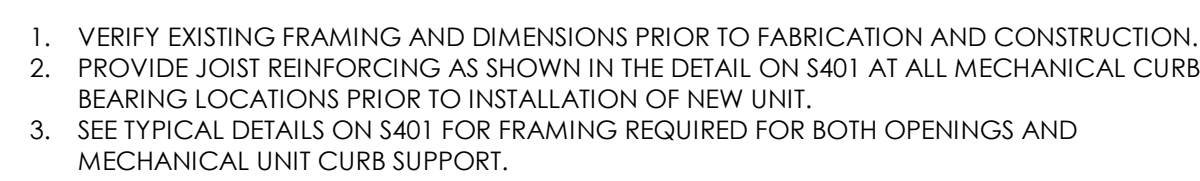
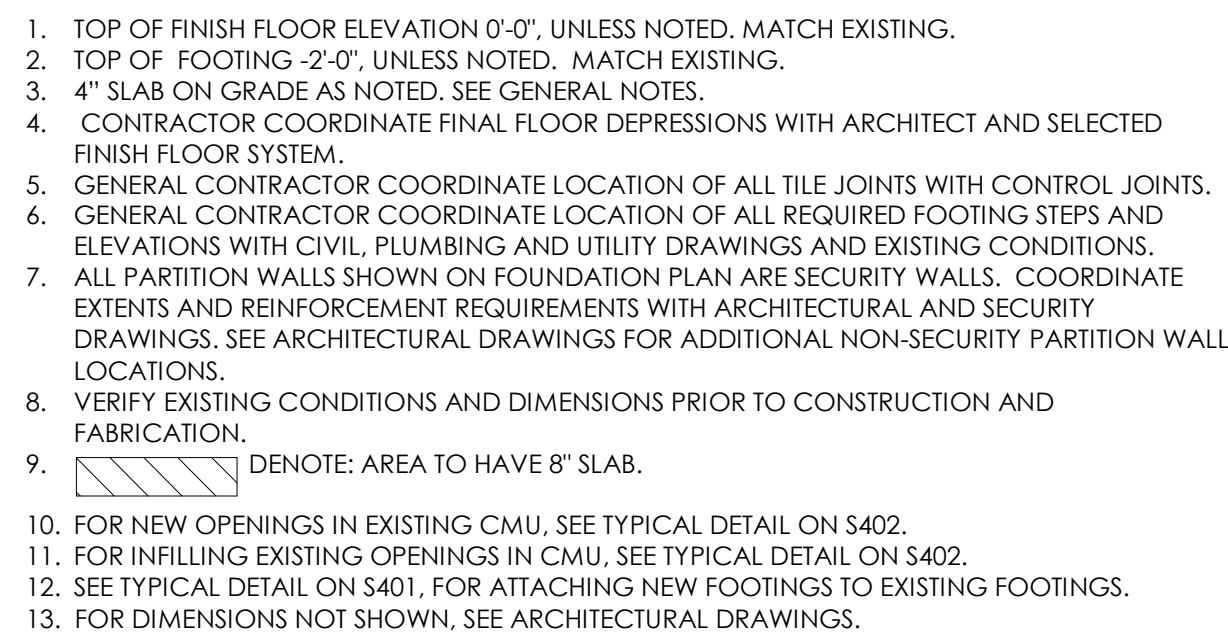
1. TOP OF FINISH FLOOR ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING -2'-0", UNLESS NOTED.
3. 4" SLAB ON GRADE UNLESS NOTED. SEE GENERAL NOTES.
4. CONTRACTOR COORDINATE FINAL FLOOR DEPRESSIONS WITH ARCHITECT AND SELECTED FINISH FLOOR SYSTEM.
5. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL TIE JOINTS WITH JOINTS.
6. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL JOINTS WITH JOINTS AND FLOOR ELEVATIONS WITH CIVIL, PLUMBING AND UTILITY DRAWINGS AND EXISTING CONDITIONS.
7. 50 PSI PIPE COLUMNS ENCASED IN 14" CONCRETE COLUMN. (SEE DETAIL ON S401).
8. ALL PARTITION WALLS SHOWN ON FOUNDATION PLAN ARE SECURITY WALLS. COORDINATE EXTENTS AND REINFORCEMENT REQUIREMENTS WITH ARCHITECT AND CIVIL ENGINEER. COORDINATE WITH PLUMBING AND UTILITY DRAWINGS FOR ADDITIONAL NON-SECURITY PARTITION WALL LOCATIONS.
9. NO SLAB JOINT, JOINTS ARE TO BE LOCATED INSIDE OF THE CELLS.
10. SLOPE SHOWER SLABS TO DRAIN. COORDINATE WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
11. DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
12. CONCRETE FOR SLAB ON GRADE TO BE READY MIX CMAA — MIX CODE 15641 10 ASPHALT FLOOR C (4000 PSI). REFERENCE SPECIFICATION SECTION 03.31.00, CONCRETE FLOORING FOR FLOORING. CONCRETE FOR ALL OTHER CONSTRUCTION SHALL BE THE SAME AS SECTION 9130.01.
13. IF ALTERNATE IS NOT CHOSEN WALL AND FOOTING FROM SECTION 9130.01 WILL APPLY.

Prepared For
SHELBY COUNTY, AL
200 WEST COLLEGE STREET
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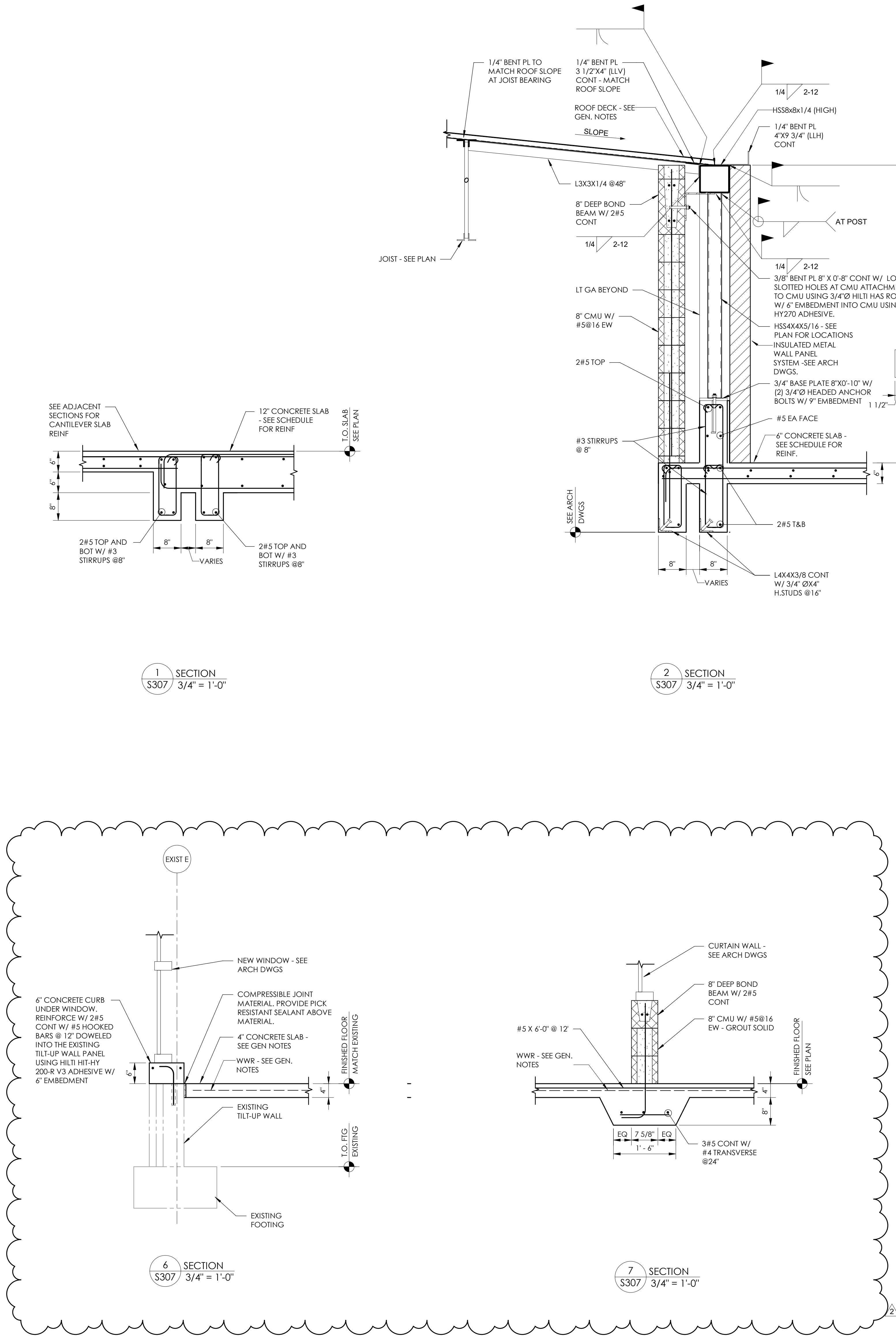
No.	Description	Date
1	100% CONSTRUCTION DOCUMENTS	2023-06-12
2	ADDENDUM #3	2023-07-21

Sheet Title

Original drawing is 48" x 36" Do not scale contents of this drawing

S101C

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Project
**SHELBY COUNTY JAIL
EXPANSION**
380 MCDOW ROAD,
COLUMBIANA, ALABAMA 35051

Prepared For
SHELBY COUNTY, AL
200 WEST COLLEGE STREET
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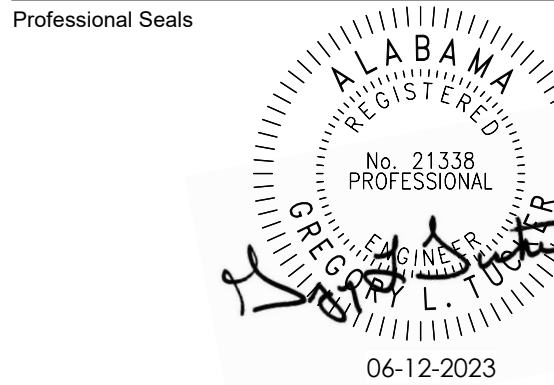
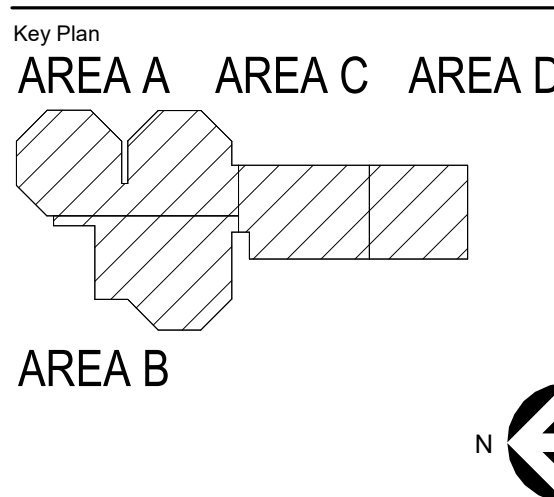


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No.	Description	Date
1	100% CONSTRUCTION DOCUMENTS	2023-06-12
2	ADDENDUM #3	2023-07-21

Project No: 21-01020-00

Sheet Title:

SECTIONS

Original drawing is 48 x 36. Do not scale contents of this drawing.

Sheet Number

S307



EXHIBIT PB-02

Request for Information

Summary Log with Answers

Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-001	Returned	Construction Phasing	7/7/2023	Please confirm that the phasing will be all new construction (mental health, segregation, and possibly Pod C) must be completed and operational before any renovation work inside the existing buildings can occur.	7/12/2023	The new segregation wing will need to be operational prior to the commencement of the medical renovation scope. The other renovation scopes within the existing facility and jail pods could be completed during the new construction process. This could be based on the most efficient timing with other construction activities and coordination with the facility and its security staff. Please provide additional RFI questions about specific renovation areas if required.
P-002	Returned	MEP Phasing	7/7/2023	Obviously, any MEP work that needs to occur in the existing building in order for the new construction areas to be completed would have to occur during the 1st phase, correct?	7/12/2023	That would be correct.
P-003	Returned	Alternate #1 Structural Plan	7/7/2023	Please provide structural plans for the base bid only that does not include the attached alternate building.	7/14/2023	We do not see the need for a separate set of plans without the alternate. We can provide additional sections or clarification as needed.
P-004	Returned	Civil Site Wall Details	7/7/2023	C201 indicates some type of wall near the HVAC units to the SE. However, I couldn't find any description of the wall or details on the civil, structural or architectural plans. Please provide details.	7/14/2023	Top and bottom elevations of the wall are specified on the sheet. Wall design criteria is covered in spec section 02 8320 MSE Specifications.
P-005	Returned	Asbestos Abatement Requirements	7/7/2023	Is there an asbestos report for the areas to be selectively demolished? If not, will the Owner handle that as well as any required abatement by a change order?	7/13/2023	Based on the date the original building was constructed, we do not anticipate any abatement requirements for this project.
P-006	Returned	Mechanically Stabilized Wall	7/7/2023	Please clarify where the mechanically stabilized wall is to be located (spec 02 83 20).	7/14/2023	Proposed wall is located on sheet C201. Wall is to support the new mechanical equipment.

Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-007	Returned	Concrete Supplier	7/7/2023	Confirm that Ready Mix USA is to be the concrete supplier per S001 note 7.9 and the concrete specs 03 3010.	7/14/2023	Specification section 033010 provides criteria for product requirements beyond the basis of design in section 2.5 A & B. All proposed equals should be submitted per Specification section 012500 substitution procedures using section 012501 request for substitution form.
P-008	Returned	Spec section 03360	7/7/2023	Spec 03 3010 references spec 03360 for "Protection of Concrete Slab". However, we don't see spec 03360. Please clarify.	7/14/2023	Protection of concrete slab is found in section 3.4 of spec 03 3010. Spec 03360 deals with dye stained concrete. We do not have dyed concrete on this project so that section does not apply.
P-009	Returned	Alternate #1	7/13/2023	Please confirm that Alternate #1 (if accepted) will be constructed in the first phase of construction with the Segregation & Mental Health Unit additions.	7/17/2023	Yes, the Alternate #1 scope will be part of the other new work. Final Construction Phasing is to be proposed by the Contractor.
P-010	Returned	Section 08 11 13 - Steel Doors & Frames	7/17/2023	Section 08 11 13 - Steel Doors and Frames references Section - 08 21 11 - Flush Wood Doors as related work. Please confirm that wood doors are not required for this project.	7/17/2023	Correct. There are no wood doors within this project.
P-011	Returned	Drawings A101A, A102A, A201A & A202A	7/17/2023	Drawings A101A, A102A, A201A, and A202A have a cut section bisecting New Pod C with an unassigned detail marker. Please provide this detail.	7/17/2023	An unassigned detail marker was provided in the plans in error. Refer to section 3/A351 for the standard section through Pod C Building.
P-012	Returned	Drawing A201C / Section 09 00 00-Material & Finish Codes	7/17/2023	Drawing A201C shows a 2x4 ACT pattern in the Laundry, Nurses Station, and Corridor M-138 areas. Specified ACT in 09 00 00 - Material and Finish Codes only includes 2x2 tiles. Please confirm if the specified product is to be provided in these areas, or provide additional product information	7/17/2023	The same product AC-01 shall be provided in the 2x4 size shown in plan
P013	Returned	Drawing 201B	7/13/2023	Drawing 201B shows a gyp ceiling material pattern in Corridor S-131 between column lines 60 and 45. Plan note indicates this area is exposed to structure. Please confirm which is correct.	7/18/2023	The hatch visible is the exposed concrete slab at the mechanical level, which is the exposed structure above. Note is correct.
P-014	Returned	Spec Section 013100	7/17/2023	Is Procore an approved CCA Software mentioned in spec. 013100	7/17/2023	Yes.







Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-015	Returned	Asbestos Abatement	7/17/2023	Please advise if there will be any asbestos abatement. If so please provide the report for pricing.	7/17/2023	Based on the date the original building was constructed, we do not anticipate any abatement requirements for this project.
P-016	Returned	Fire Stopping	7/17/2023	Please confirm if fire stopping is to be sole-sourced by one contractor.	7/19/2023	This is up to the GC. Specification section 078400 - FIRESTOPPING allows the party trade or subcontractor per sub-section 1.2.C or allows the GC to employ a specialty contractor per sub-section 1.2.D. Refer to sub-section 1.7 for specialty contractor requirements if desired by the GC.
P-017	Returned	Fireproofing	7/17/2023	Please confirm that there is no fireproofing needed for the new structure.	7/18/2023	No spray fireproofing is required for the new building structure. Fireproofing is required at all rated conditions throughout the new building and renovation areas per spec sections 078400 - FIRESTOPPING.
P-018	Open	General Commissioning Requirements	7/17/2023	There are multiple references to 01 9113 – General Commissioning Requirements, but this specification is not included in the project manual. Please provide this specification and clarify if cost of commissioning are to be carried by the owner or GC.		
P-019	Returned	Spec Section 04 2000	7/17/2023	Spec. 04 2000 paragraph 2.2.A.4 mentions colored block. Where is this to be installed? And what color?	7/18/2023	No colored block is currently shown on the drawings.
P-020	Returned	Geotech Report	7/17/2023	Please provide a copy of the geotech report mentioned in note 6.1 S001.	7/18/2023	Report was provided to bidders in Addendum #2
P-021	Returned	S001 - Note 7.1	7/17/2023	Note 7.1 S001 calls for slab on grade to be 3000 psi, note 7.9 calls it to be 4000 psi. Please clarify which is correct.	7/19/2023	Provide 4,000 psi in all locations.
P-022	Returned	Deck Height- Building C	7/17/2023	What is the deck height of the existing building in Area C?	7/18/2023	Joist bearing height along Grid E is 17'-10" and at Grid D is 16'-8" in Area C Renovation area.
P-023	Returned	A601 - Detail 1 & 2	7/17/2023	Details 1&2/A601 both show a precast wainscot around the building, but the blow up detail for the termination with the metal panels calls out cast stone. We have specs for both. Please advise what the wainscot material is.	7/18/2023	The intent is to match the existing building materials for the new addition. The original construction drawings call out precast concrete for this material. Use spec section 034500 for the exterior building material. Color and profile to match existing.






Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-024	 Returned	Window Type E	7/17/2023	Window type E (detail 4/A905) appears to show a 6" curb at the base of the window, but nothing is shown on the structural drawings. Please confirm there if is to be a 6" concrete curb at the base of this opening and provide a detail.	7/19/2023	Structural will provide detail for concrete curb in forthcoming Addendum.
P-025	 Returned	3/A602	7/17/2023	3/A602 shows a metal panel closure strip along the metal panel connections between new addition and existing building. Please advise what is to happen below the metal panels where the pre-cast ties into the existing building.	7/18/2023	Provide 4" end laps at bottom channel closure and corner closure with continuous caulking per basis of design manufacturer standard details. Reference spec section 074213.13 for additional information.
P-026	 Void	3/A602	7/17/2023	3/A602 shows a metal panel closure strip along the metal panel connections between new addition and existing building. Please advise what is to happen below the metal panels where the pre-cast ties into the existing building.		
P-027	 Returned	A911 & S402	7/17/2023	A911 and S402 show different methods of attachment for the lateral bracing of CMU walls. Please advise which is correct.	7/18/2023	Structural attachments to follow S402. A911 details are to be removed from the set in a forthcoming Addendum.
P-028	 Returned	HOK Software	7/17/2023	Are there any costs associated for the GCs use of HOKS file transfer software?	7/17/2023	There is no cost to the GC for use of HOK's Trimble Project Sight. However sub contractors are not invited as the use is specifically a tracking and communication method for primarily RFI's and Submittals to avoid using solely email and keep an active log of open and closed items.
p-029	 Returned	Spec Section 015000	7/17/2023	Spec. 015000 mentions 10' fence with barbed wire, at the pre-bid meeting it was mentioned that standard 6' construction fencing was acceptable. Please confirm fencing requirements for securing the site.	7/19/2023	6' standard fencing is acceptable per pre-bid meeting for any fencing within the existing perimeter jail fence line. Any modifications to the existing jail perimeter fencing shall meet those requirements.

Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-030	 Returned	Gate for Construction Traffic	7/17/2023	At the pre-bid it was mentioned that the gate to be used for construction traffic may need to be enlarged. Is the county going to cover that cost?	7/18/2023	Any required modifications to the existing fence and gates are to be the responsibility of the contractor. Contractor to provide enough clearance / opening for all deliveries of materials and equipment that are appropriate to the contractor's needs. Any modifications such as a wider gate opening can be left in place as long as it will function / secure properly and does not necessarily have to be put back to its current condition. Any modifications to the gates shall match existing finishes and materials if it is to remain after construction.
P-031	 Returned	7/A502	7/17/2023	7/A502 appears to show a continuous footing and CMU foundation wall under the detention doors that is not shown on the structurals. Please advise if this is required and provide structural details if they are.	7/18/2023	Location of underground footings and walls to be per Structural Drawings.
P-032	 Returned	Window Frames-Guard Tower	7/17/2023	At the window frames surrounding the guard tower similar to H1522A detail 4/A901 appears to show a partial height CMU wall that is not called out on the structural please advise if this is required. Along with that detail 3/A351 & 6/A502 show a continuous footing and CMU foundation wall under these windows not shown on the structural plans. Please clarify CMU and foundation requirements in this area.	7/19/2023	A thickened slab and footing will be added at these locations. Detail and design to be sent with forthcoming Addendum.
P-033	 Returned	Drawing AD101C	7/17/2023	Drawing AD101C has an arrow pointing to room M-107 that says "Remove and relocate existing dental equipment." Please clarify what this equipment is and where it is to be relocated.	7/18/2023	Existing Dental Equipment is to remain and be re-installed in M-133 Equipment Storage room added in renovation. Refer to P102C & P301C for plumbing callouts. Existing equipment includes a Vacstar Vacuum system and related compressor. Coordinate Temporary relocation location with Owner during construction.
P-034	 Returned	Existing High Density Storage System	7/17/2023	Please confirm that the existing high density mobile storage system in existing room M-107 is to be demolished and not salvaged for reuse. This equipment is not shown on the demolition drawings.	7/18/2023	Confirm this existing system is to be demolished. Coordinate any salvage needs with the Owner prior to demolition.








Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-035	Returned	Existing High Density Storage System	7/17/2023	Please identify where the new high density mobile storage system is to be installed and provide a detailed drawing of the system including shelving profiles. Please confirm if it should have a floorless system or floored system with level able rails.	7/21/2023	Location is shown on A101C between grids C&D along grid 23. An exhibit of the proposed layout is provided in Addendum #3. Railing is to be surface mounted with low-profile rails.
P-036	Returned	Alternate Pricing	7/17/2023	Please confirm that alternate pricing is due at the same time as the base bid pricing.	7/17/2023	Yes, alternate pricing is due Thursday August 3rd at 2:00pm CST.
P-037	Open	Section 03 35 43 – Polished Concrete Finishing	7/17/2023	Section 03 35 43 – Polished Concrete Finishing paragraph 3.A.1 references "Alternate No.002 Shot Blasting of Concrete Substrates." Please clarify if there is an Alternate 2 and exactly what it is.		
P-038	Void	Section 03 35 43 – Polished Concrete Finishing	7/17/2023	Section 03 35 43 – Polished Concrete Finishing paragraph 3.A.1 references "Alternate No.002 Shot Blasting of Concrete Substrates." Please clarify if there is an Alternate 2 and exactly what it is.		
P-039	Returned	Spec. Section 04 20 00	7/17/2023	Spec. 04 20 00 mentions split face block at exposed faces. Please confirm this only goes at Rec Yard 1304 & 1579.	7/21/2023	Split face block is not required. Removed from section in Addendum #3.
P-040	Returned	Spec. Section 02 83 20	7/17/2023	Where is the mechanically stabilized wall from spec 028320 intended to go?	7/18/2023	Proposed wall is located on sheet C201. Wall is to support the new mechanical equipment.
P-041	Returned	Sidewalks	7/17/2023	Please clarify if sidewalks are intended to be 4" or 6" thick.	7/20/2023	Sidewalks are to be 4" thick. Detail on Sheet C401 will be adjusted to reflect this in forthcoming Addendum.
P-042	Returned	Testing Services	7/17/2023	Please confirm per pre bid meeting that all testing services in spec 014529 are to paid for by owner.	7/21/2023	Yes, Owner will pay for these testing services. Owner will also pay for testing for division 2-16 excluding utility testing. Contractor to comply with other provisions and requirements as indicated in the specifications.
P-043	Returned	Spec Section 013200	7/17/2023	Spec 013200 calls for cost loading of CPM schedule. Please confirm if this is required as it is a premium.	7/18/2023	Cost loading of CPM Schedule is not required.







Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-044	 Returned	Spec Section 013233	7/17/2023	Spec 013233 calls for the engagement of a qualified photographer and videographer to take photos and videos monthly. Will photos and videos by onsite personnel be sufficient to meet this requirement?	7/19/2023	Onsite personnel documentation is acceptable as long as documentation is intentional and relevant. The contractor shall coordinate with the county and Sheriffs office for any stipulations or requirements when taking photos or videos prior to starting construction documentation.
P-045	 Returned	Spec Section 001115	7/17/2023	Spec 001115 calls for triplicate copies of the bid form to be turned in. Is this required or will one be sufficient.	7/17/2023	Response per Trey: Bid must be in hard copy form not electronic. The bid bond and proposal form can be one original and two copies and does not have to be three originals
P-046	 Returned	Spec Section 111900	7/17/2023	Spec. 111900 calls to list the detention contractor on the bid form. I did not see a space on the current form to put this information. Please advise if this is required.	7/18/2023	The General Contractor shall employ a single pre-approved Detention Equipment Contractor (DEC) having met all the requirements listed in this Section. The General Contractor shall list his Detention Equipment Contractor on the bid form. Contracting by the General Contractor for separate portions of work under Sections 11 19 00 through 11 19 99 is prohibited. Bid form to be updated in Addendum.
P-047	 Returned	Staffing	7/17/2023	Are there minimum staffing requirements for this project?	7/21/2023	Staffing is means and methods of the contractor, however based on the prequalification process, we would expect all staffing submitted under the prequalification process would be committed for the duration of the project.
P-048	 Returned	RFI/Substitution Deadline	7/17/2023	When is the RFI/substitution deadline for this project	7/18/2023	July 14th COB was the deadline for both RFI's and substitutions. July 21st is the Cutoff Date for DEC qualifications. Contractor to complete the substitution form found in division 01 for review.
P-049	 Returned	Prequalified Security Contractors	7/17/2023	Can you provide a list of prequalified security contractors?	7/18/2023	Approved integrators are Accurate Controls, CML Security and Securitas.
P-050	 Returned	Spec. Section 015000	7/17/2023	Spec. 015000 paragraph 3.4.J references a div. 1 Construction Waste Management & Disposal spec. Please provide.	7/21/2023	Specification section added in Addendum

Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-051	 Returned	Spec. Section 03 30 10	7/17/2023	Section 03 30 10 paragraph 1.2.D&H reference section 03 360 - Dye Stained Colored Ground and Polished Cast-In-Place Concrete. Please confirm this should reference 03 35 43 – Polished Concrete Finishing.	7/21/2023	Confirmed. Please reference section 033543
P-052	 Returned	Spec. Section 03 35 43	7/17/2023	Section 03 35 43 paragraph 3.A.4 calls for vapor emission testing at floors to receive polished concrete finishing. Subcontractor input indicates that this testing is not required for the penetrating floor treatments specified. Please confirm if this requirement can be waived.	7/21/2023	Vapor emission testing shall be provided as required by the manufacturer of the flooring or coatings to meet their minimum standards. Contractor is responsible for providing all testing required during the project.
P-053	 Returned	Existing Medical Unit Spray Fireproofed	7/17/2023	Is the existing medical unit spray fireproofed? If so can an allowance be stated for all bidders to carry for patching of fireproofing.	7/19/2023	Yes, the existing deck and bar joists are spray fireproofed. See revised Bid form and Unit Price line item within forthcoming Addendum.
P-054	 Returned	Sheet A905-Int. Hollow Metal Window	7/21/2023	On the interior hollow metal window elevations on sheet A905, W1 points to "Mental Health Control Room Floor Beyond". When you go to the mental health control room on the floor plans, there is no W1 shown. Please confirm the location of this type of window.	7/21/2023	This window was removed from the project and addressed in Addendum #3.
P-055	 Returned	1/A702-Window Type	7/21/2023	Please confirm the window types W5 as shown on interior elevation 1/A702 for the segregation cell front wall pertains to both segregation front walls. The interior elevation notation on the floor plan only points to one side and the windows aren't shown on the floor plans.	7/21/2023	W-5 window is located on both sides of segregation above all cell doors as shown in this elevation. Floor plans don't show them due to where they are cut.
P-056	 Returned	A101A - Control Room H -1302	7/21/2023	The control room H-1302 as shown on floor plan A101A (as part of base bid) has a reference to an enlarged plan 2/A404. When you go to 2/A404, this detail and others for the medical health wing are surrounded by the dashed line which indicates it is a part of Alternate #1. Please clarify this on the plans that it is a part of base bid.	7/21/2023	Correct. The Alternate #1 boundary on A404 should not include details 1, 2, 4 & 7 that are part of the base bid.

Shelby County AL Jail Exp (21.01020.00)

Request for Information Summary Log with Answers

Number	Status	Subject	Received On	Question	Date Resolved	Answer
P-057	Returned	Blinds & Roller Shades	7/21/2023	There is a spec section for blinds and roller shades, but we can't find where these are to be installed on the plans. Please confirm these are to be included and confirm locations.	7/21/2023	No blinds or roller shades are currently identified in the project. Removed in Addendum.
P-058	Returned	Hardware Sets - Door Schedule/Specs	7/21/2023	Some of the hardware sets listed on the door schedule do not coincide with the hardware sets listed in the spec. Hardware set 5.0 lists H1156 in the spec, but this opening is not on the door schedule. The door schedule has this set assigned to H1321. Please confirm this is correct.	7/21/2023	Correct. Door schedule hardware groups on sheets A901 and A904 are accurate and should be what is bid.
P-059	Returned	Hardware Set 1.0- Door Schedule/Specs	7/21/2023	Hardware set 1.0 has 5 openings to which it's assigned on the door schedule. The spec only lists S136B & S143A. Please advise.	7/21/2023	Correct. Door schedule hardware groups on sheets A901 and A904 are accurate and should be what is bid.
P-060	Returned	Signage in Section 101400	7/21/2023	Please confirm where the signage as outlined in 101400 is to be installed.	7/21/2023	This spec is to cover any code-required signage that might be required for the project. Currently, no locations are identified and will be coordinated with the AHJ prior to occupancy.
P-061	Returned	Visual Displays in Section 101000	7/21/2023	Please confirm where the visual display boards are to be installed per spec section 101000.	7/21/2023	Locations added to spec per Addendum #3
P-062	Open	Telecommunications Legend	7/21/2023	Please provide a complete Telecommunications legend. Some Telecommunications outlets such as (1/TE) and (TELE) do not appear on the legend.		
P-063	Returned	Equipment for Existing Security System	7/21/2023	Is there a vendor or integrator who owns the equipment for the existing security system? If so, can you please provide contact information?	7/21/2023	The existing system was provide by Willo Products Co. Inc., Drawings of the existing system will be made available to the successful bidder.
P-064	Returned	Equipment for Existing Harding PA/Intercom	7/21/2023	Is there a vendor or integrator who owns the equipment for the existing Harding PA/Intercom system? If yes, can you provide contact information?	7/21/2023	The equipment is owned by the County. No further information is available.
P-065	Returned	Existing Security & PA/Intercom Devices	7/21/2023	Please confirm all security and PA/Intercom devices shown in existing areas are existing to remain or existing to be turned over to the Owner and no new field devices are required.	7/21/2023	The existing intercom/paging system is to remain. Work in the alt bid housing area would require new work integrated with the existing system.



Electronic Data Transfer Agreement

North America Terms and Conditions

[Shelby County Jail Expansion Project

[Shelby County, Alabama

ELECTRONIC DATA TRANSFER AGREEMENT

This electronic data transfer agreement (“**EDTA**”) is dated July 20, 2023 and is between Clements Dean Building Co., LLC located at 5455 Co Rd 51, Wilsonville, AL 35186 (“**Recipient**”) and HOK ARCHITECTS, INC. located at 10 S Broadway Ste 200, St. Louis, MO 63102 (“**HOK**”) and is effective from the earlier of date of this EDTA or the date of first exchange of Electronic Data (as defined below) between HOK and Recipient. HOK and Recipient are referred to individually as “Party” and collectively as “Parties.”

The Parties agree as follows:

1.0 ELECTRONIC DATA

- 1.1 “**Electronic Data**” refers to all drawings, specifications, calculations, models, designs and other information stored in editable digital form and includes, without limitation, computer-aided design and building information modeling including but not limited to BIM Data.
- 1.2 “**BIM Data**” refers to the segregated 3-dimensional building information model (“BIM”) data in its native format used to generate 2-dimensional construction documents for the Project.

2.0 PURPOSE

- 2.1 All Electronic Data transferred from HOK to Recipient is intended for use solely in connection with the planning, design, construction, maintenance and/or use of the following “**Project**”:

Shelby County Jail Expansion Project located at 380 McDow Road, Columbiana, AL 35051.

3.0 RIGHTS

- 3.1 Recipient acknowledges that the Electronic Data is provided for Recipient’s convenience and may be used solely for the purpose stated above. No other right (including copyright) is conveyed by transfer of the Electronic Data. HOK retains all common law and statutory rights (including copyrights) in the Electronic Data to the extent such rights are retainable by HOK.

4.0 CONDITION OF ELECTRONIC DATA

- 4.1 Recipient acknowledges that the Electronic Data is provided for Recipient’s convenience without risk or liability to HOK. All Electronic Data is furnished in the format in which it is commonly stored and used by HOK. Recipient understands that the transmission and/or conversion of Electronic Data from the system and format used by HOK to an alternative system or format may result in the introduction of inconsistencies, anomalies and errors. Because of the possibility that Electronic Data may be easily altered, whether inadvertently or otherwise, HOK reserves the right to retain the originals of all Electronic Data in electronic form and/or hard copy. Recipient acknowledges the hard copy and/or electronic originals of Electronic Data retained by HOK govern in the event of any inconsistency between information delivered to Recipient and such originals retained by HOK. HOK has no obligation to inform Recipient about changes in the Electronic Data or to correct, update, enhance or maintain the Electronic Data for Recipient. RECIPIENT ACCEPTS THE ELECTRONIC DATA “AS-IS,” WITHOUT ANY EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, ANY WARRANTY THE ELECTRONIC DATA IS COMPLETE, TECHNICALLY ACCURATE, FREE OF DEFECTS, AND/OR FIT FOR USE AS INTENDED BY RECIPIENT. Recipient warrants that it is not relying on any contrary representation from HOK.

5.0 RELEASE

- 5.1 Recipient acknowledges that any alteration or modification of the Electronic Data may result in adverse consequences which HOK can neither predict nor control. Recipient waives and forever discharges HOK, (including its officers, directors, employees and related entities) from every kind of claim, demand and cause of action to recover every kind of damage, cost, expense, fee and other loss resulting from: (i) the transfer of Electronic Data by any means; (ii) the use, modification or misuse of the Electronic Data by or through Recipient (including, without limitation, creating derivative works based on the Electronic Data); (iii) the decline of accuracy or readability of the Electronic Data; (iv) the incompatibility of the Electronic Data with Recipient’s software and/or hardware; and/or (vii) any error, discrepancy, inaccuracy, variation or other defect in the Electronic Data.

6.0 CONFIDENTIAL INFORMATION

- 6.1 The Electronic Data together with all information, discussions and communications related to the Electronic Data, the Project and this EDTA are confidential (“**Confidential Information**”). Recipient has a duty to maintain in strict confidence all Confidential Information and to not discuss, disclose or divulge Confidential Information to any third parties without written authorization from HOK or Client. In the event disclosure of Confidential Information is required by law, Recipient shall provide HOK with prior written notice of such event.

Such notice shall be received in sufficient time to enable HOK to seek a protective order or other protective arrangement permitted by law.

7.0 MISCELLANEOUS

- 7.1 Contract Documents Govern the Project. HOK and Recipient agree that, notwithstanding the use of BIM technology and the transfer of BIM Data, the 2-dimensional Contract Documents and subsequently issued Change Orders, Change Directives, Bulletins, RFI Responses and the like are the sole source of information regarding the requirements for construction of the Project. Recipient will notify HOK if it becomes aware of discrepancy between the BIM Data and any drawing, specification or other document issued for construction of the Project. Recipient warrants that it is not relying on BIM Data provided by HOK for procurement, quantity survey, sequencing, means and methods or other purposes related to construction of the Project.
- 7.2 Mutually Binding. The Parties, respectively, bind themselves, their partners, successors, assigns and legal representatives to the other party to this EDTA and to the partners, successors, assigns and legal representatives of such other party with respect to all covenants of this EDTA. Neither Party may assign this EDTA without the written consent of the other.
- 7.3 Severability. If any provision or part of a provision of this EDTA is determined to be superseded, invalid, illegal, or otherwise unenforceable pursuant to any applicable law or court order, such determination will not impair or otherwise affect the validity, legality, or enforceability of the remaining provision or parts of the provision of this EDTA, which remain in full force and effect as if the unenforceable provision or part were deleted.
- 7.4 No Waiver. The failure of either Party to insist, in any one or more instances, on the performance of any obligation or right under this EDTA does not constitute a waiver or relinquishment of such obligation or right with respect to future performance.
- 7.5 Notices & Representatives. Notices are sufficient if in writing and delivered by hand, email or by regular mail to the authorized representative of the other Party; notices sent by regular mail will also be transmitted by facsimile or email at the time of mailing. Unless otherwise designated in writing, the signatories to this EDTA are the Parties' authorized representative for all purposes.
- 7.6 Counterparts. This EDTA may be executed simultaneously in two or more counterparts, each of which is deemed an original. When proving this EDTA, it is only necessary to produce the counterpart signed by the party against whom such proof is presented.

This Agreement is accepted for:

HOK:

By: _____
(Signature)

(Printed Name and Title)

(Address)

(Telephone)

(Facsimile)

(Email)

RECIPIENT:

By: _____
(Signature)

(Printed Name and Title)

(Address)

(Telephone)

(Facsimile)

(Email)

PROPERTY STORAGE

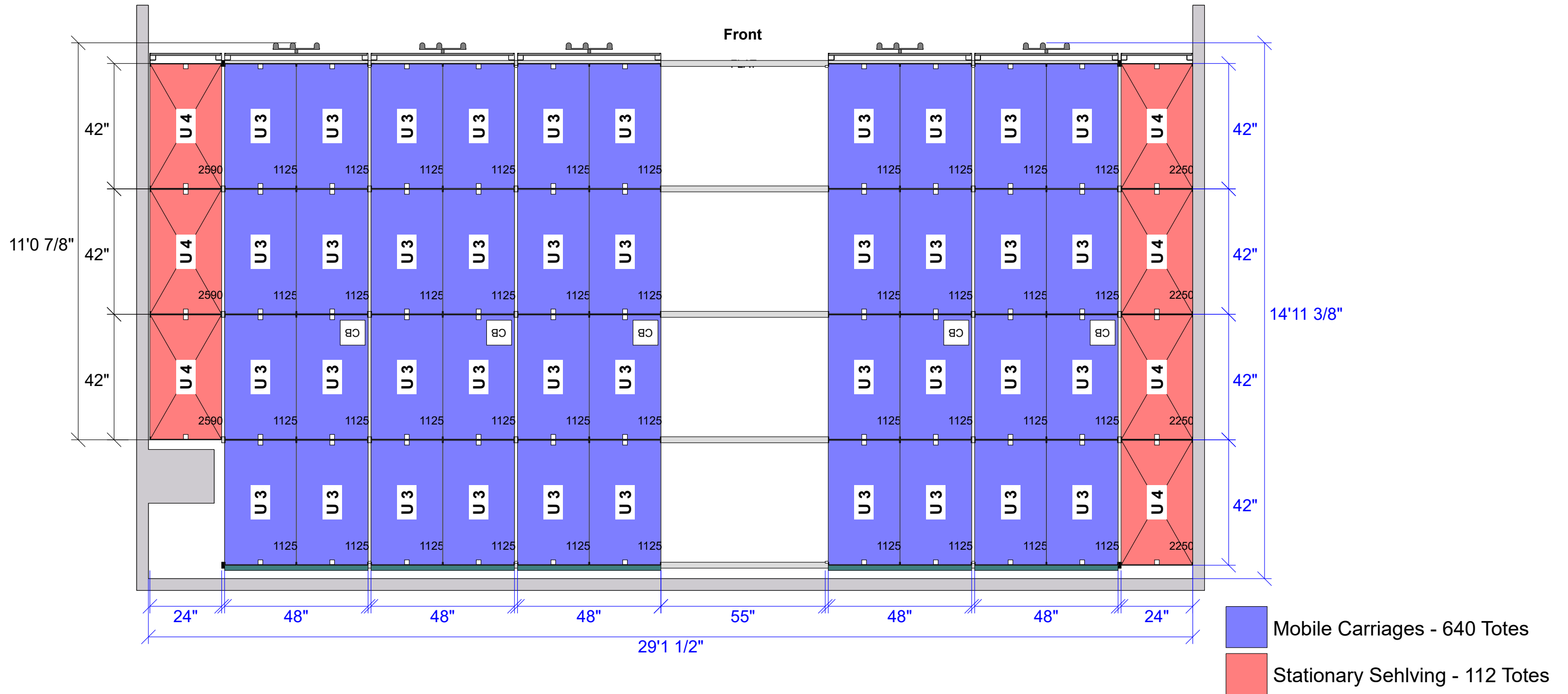
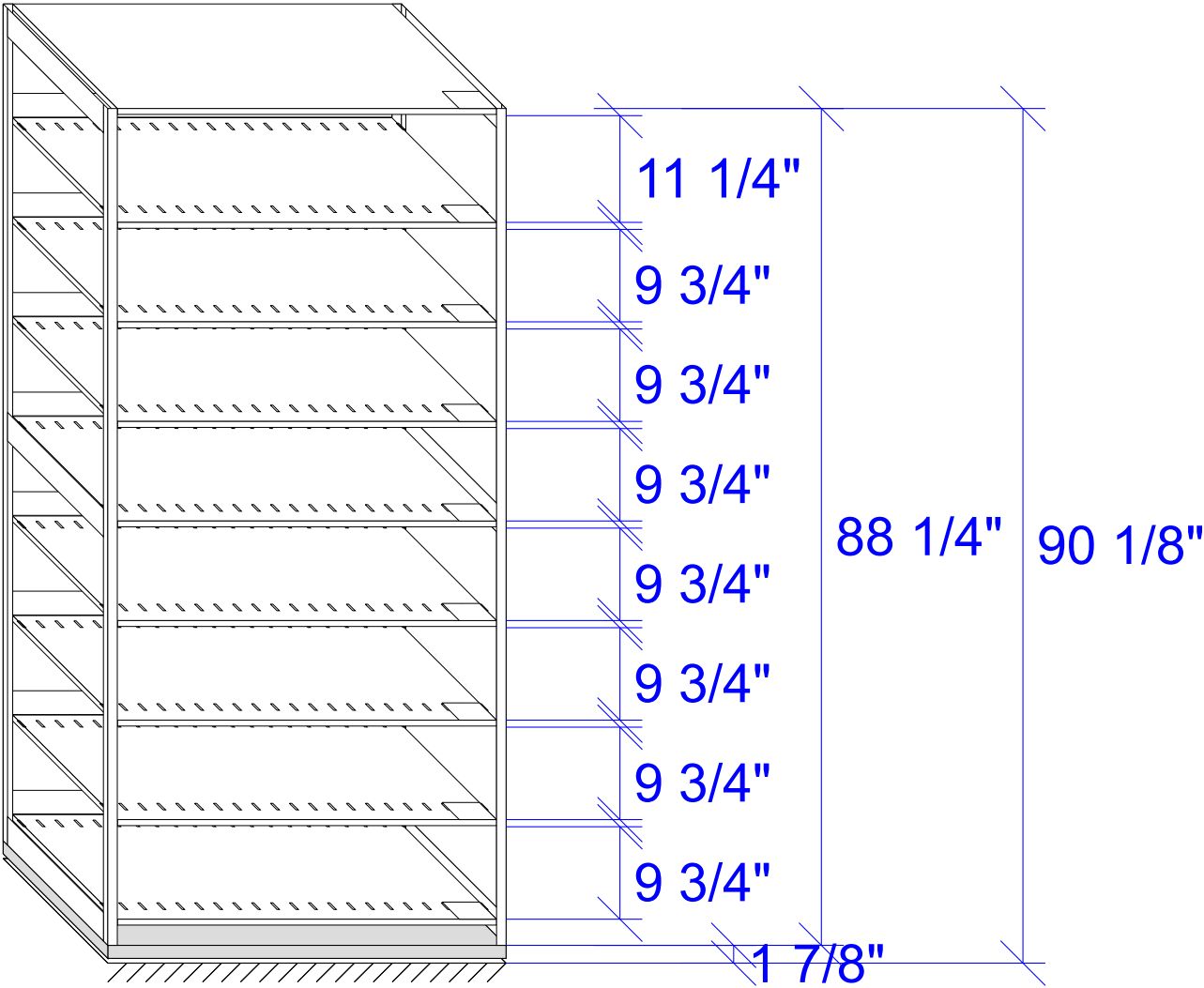


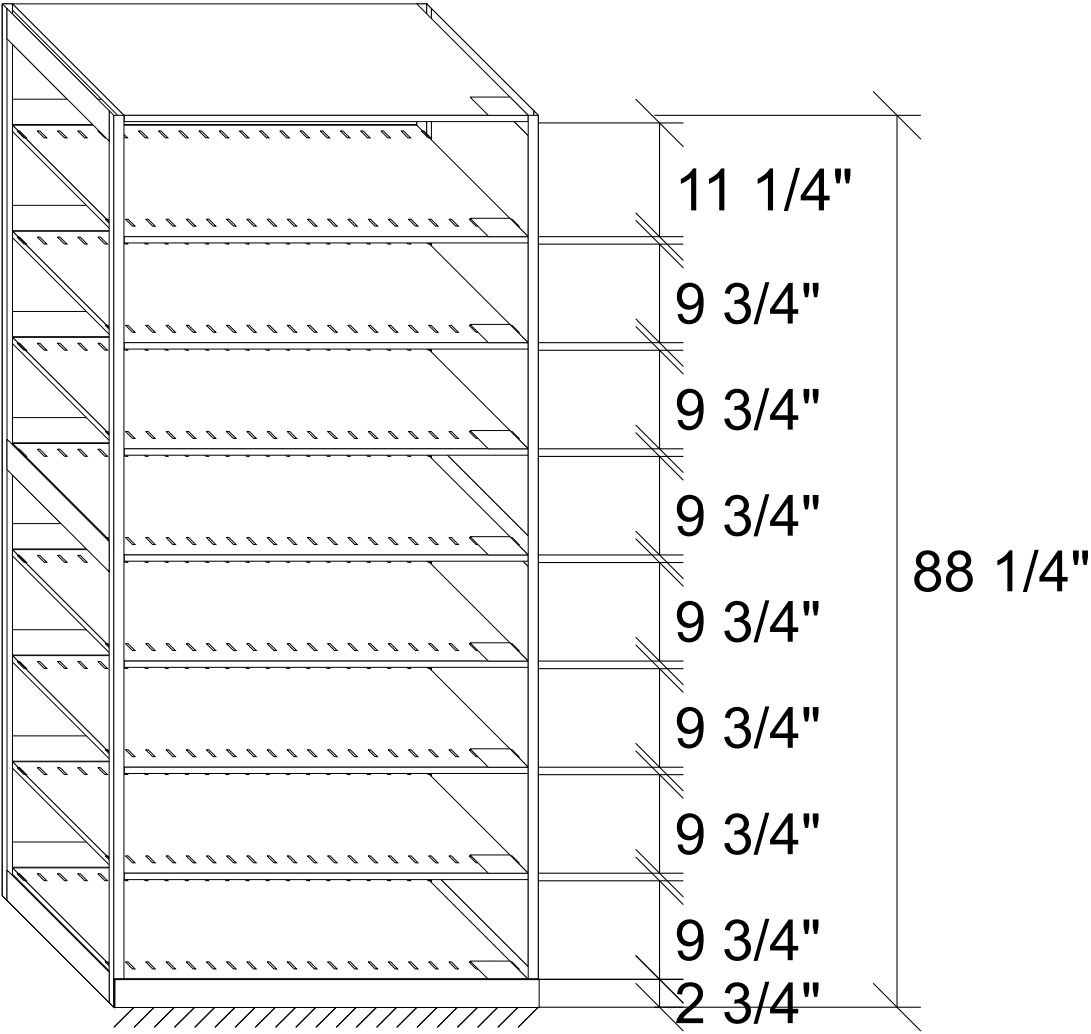
EXHIBIT MS-1
SHELVING LAYOUT FOR REFERENCE ONLY

H90 1/8"
88 1/4" x 42" x 24"



U 3

H88 1/4"
88 1/4" x 42" x 24"



U 4