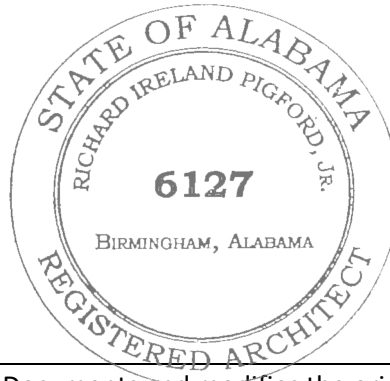


**ADDENDUM NUMBER SIX****Issued: 9 February 2023****Bid Date: 14 February 2023 at 3:00 PM**

This Addendum forms part of the Contract Documents and modifies the original Bid Documents dated July 30, 2021. Acknowledge receipt by inserting its number on the Bid Proposal Form. Failure to do so may subject Bidder to disqualification. Drawings and Specifications for the above project are hereby amended as follows:

**CLARIFICATIONS**

1. Attached to this addendum is a master room sign schedule for the entire campus. This schedule supersedes those in the drawing set. The conformance set of drawing after the bid will be revised to reflect this master schedule.

**RESPONSES TO RFIs**

1. Can laminated KDAT for post columns, timbers, etc. be used in lieu of what is specified?

*Response: GC shall procure and install wood structural members as called out and specified in the drawings and project manual.*

2. Soft Lumber – please verify if all southern yellow pine must be quarter sawn. Section 06 2000

*Response: Plain saw wood is less dimensionally stable than quarter sawn wood and more likely to cup. Any SYP wood boards used in an exterior application shall be quarter sawn to ensure durability of construction and minimize maintenance for the Owner.*

3. Please verify if this requirement in division 06 1000 3.7.D

*Response: GC shall comply with indicated provision as specified in Section 06 1000 Rough Carpentry.*

4. Please verify this requirement in division 06 1000 3.1.L

*Response: GC shall comply with indicated provision as specified in Section 06 1000 Rough Carpentry.*

5. Please provide masonry specifications for fire pit.

*Response: See attached Section 04 2000 Unit Masonry for the concrete masonry units used for part of the fireplace construction at the Gathering Hub.*

6. Please specify openings to receive window treatments.

*Response: This was addressed in Addendum #5, response to question 15.*

7. Addendum #4 references a potential need for dewatering. Can this be a specified allowance?

*Response: See revised Sections 01 2100 Allowances and 01 2200 Unit Prices.*

8. Is there a possibility of moving the bid date to February 11, 2023?

*Response: The bid date will remain February 14, 2023.*

9. What is the thickness and type of stone for the two gravel laydown areas shown on drawing C-200?

*Response: ALDOT 301-B, Crushed Aggregate Base Coarse, Type B, 6" Thickness*

10. Drawing C-700, Section "Pedestrian Stabilized Gravel". What type material is item #1?

*Response: The intent of the "fine aggregate surface with stabilizer" is to create a stabilized surface that holds the aggregate together without the use of geogrid. If a geogrid is considered, the basis of Design shall be TrueGrid Permeable Pavers. In either instance, the final surface should be stable enough to comply with accessibility requirements.*

11. In addendum 4 question 3, the answer was that there needs to be permanent drip irrigation in the raised planter beds at the food production area. Where exactly are these located?

*Response: These are indicated in the Farm Hub Package (AF series of drawings). The raised planters are located south of the Farm Hub building itself.*

12. Is there any sod on this job? If so, where are the limits?

*Response: No provisions for sod replacement in this project.*

13. Lathe building calls for concrete knee wall on Detail 7/AF501. The drawings also state to reference the structural drawings for this detail. Please provide structural drawing footing detail

*Response: No detail provided per structural. Refer 1/AF501 for width of knee wall and edging. Reinforcing to be similar to concrete foundation walls shown in the Welcome Hub Package, sheet SW110.*

14. Will exterior finish be exposed wood?

*Response: Refer drawings. Exterior exposed wood specified by Sections 06 1000, 06 1300, 06 1500, 06 1516, and 06 2013 shall be finished per specifications in Section 09 9300 Staining and Transparent Finishing. Exterior products specified by Section 07 4623 Engineered Wood Siding shall be finished per specifications in Section 09 9113 Exterior Painting.*

**DRAWINGS (No Changes)**

**SPECIFICATIONS**

**SECTION 00 4100 – Bid Form (Replace Section in its Entirety)**

**SECTION 01 2100 – Allowances (Revised as follows)**

- 1.05 Allowances Schedule – revised item E: Dewatering, relabeled item F: Wayfinding & Interpretive Signage, item G: Ropes Challenge Course, and item H: Contingency Allowance

**SECTION 01 2200 – Unit Prices (Revised as follows)**

- 1.08 Schedule of Unit Prices – added item E: Unit Price #5 Dewatering.

**SECTION 04 2000 – Unit Masonry (Section Added in its Entirety)**

**END OF ADDENDUM NO. 6**

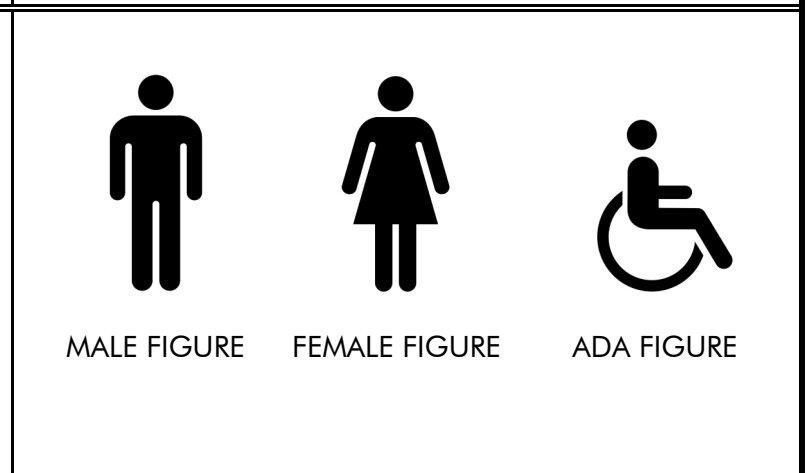
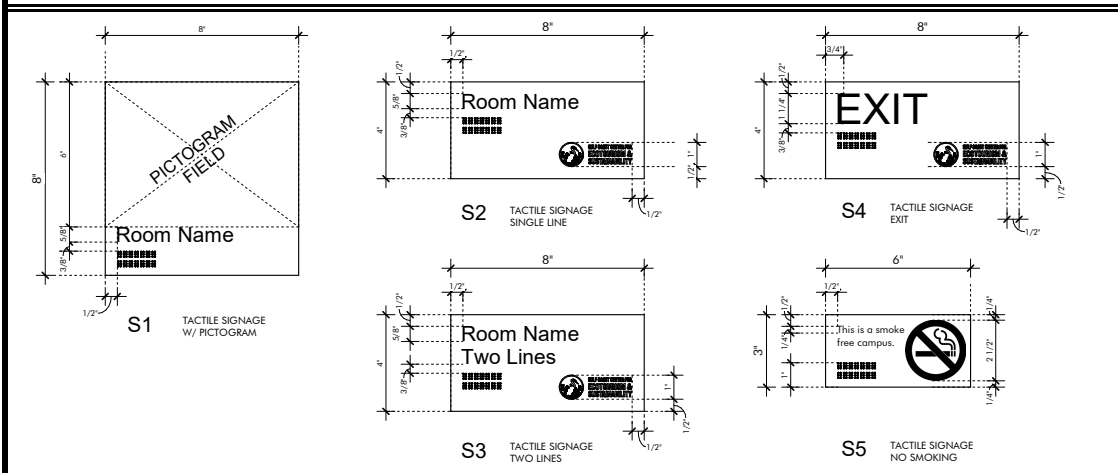
**OVERALL SITE**

PROVIDE (5) POST-MOUNTED "NO SMOKING" (S5) SIGNS TO BE LOCATED AT SITE ACCESS POINTS.

WELCOME HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
101	CAMP OFFICE		1		1		
102	CAMP STORE		1				
104	WOMEN'S RESTROOM	1					FEMALE AND ADA FIGURES.
105	MEN'S RESTROOM	1					MALE AND ADA FIGURES.
106	MEETING SPACE		1		2		
107	UTIL/STOR		1				
108	HALLWAY				1		
109	FAMILY ASSIST RESTROOM	1					MALE, FEMALE, AND ADA FIGURES.
110	BREAK ROOM		1				
111	RECEPTION		1		1		
112	OFFICE			1			
113	OFFICE			1			
114	OFFICE			1			
115	ELEC		1				
N/A	BUILDING EXTERIOR					7	(2) VINYL STICKERS, (3) BUILDING MOUNTED, (1) DOOR MOUNTED, FIELD LOCATED.

**SIGN LEGEND**

**PICTOGRAM LEGEND**



MOBILITY HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
M100	MOBILITY PORCH						
M101	BIKE STORAGE		1		1		
N/A	BUILDING EXTERIOR					1	(1) BUILDING MOUNTED, FIELD LOCATED.

GATHERING HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
G100	STAGING PORCH						
G101	COVERED PORCH						
G102	GATHERING SPACE		1		2		
G103	FARM HARVEST CLASSROOM		1		2		
G104	CORRIDOR				1		
G105	MENS	1					MALE AND ADA FIGURES.
G106	WOMENS	1					FEMALE AND ADA FIGURES.
G107	STORAGE		1				
G108	CLOSET		2				
G109	JANITOR		1				
G111	PLATFORM						
N/A	BUILDING EXTERIOR					5	(5) BUILDING MOUNTED, FIELD LOCATED.

FARMING HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
F100	FARM PORCH						
F101	FARM STORAGE		1				
F102	LATHHOUSE						SIGNAGE TO BE COORDINATED IN FIELD.
N/A	BUILDING EXTERIOR					1	(1) BUILDING MOUNTED, FIELD LOCATED.

WETLAND HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
J101	OUTLOOK		1				BUILDING MOUNTED
J102	STORAGE		1				
J103	STORAGE		1				
N/A	BUILDING EXTERIOR					2	(2) BUILDING MOUNTED, FIELD LOCATED.

MAKING HUB		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
H101	MAKER SPACE		1				
H102	ADA UNISEX RESTROOM	1					MALE, FEMALE, AND ADA FIGURES.
H103	UTILITY		2				
H104	ADA UNISEX RESTROOM	1					MALE, FEMALE, AND ADA FIGURES.
H105	COVERED PORCH						
N/A	BUILDING EXTERIOR					4	(2) BUILDING MOUNTED, (2) DOOR MOUNTED, FIELD LOCATED.

MAINTENANCE SHED		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
S100	PARKING						
S101	WORKSPACE		1				
S102	OFFICE		1				
S103	RESTROOM	1					MALE, FEMALE, AND ADA FIGURES.
N/A	BUILDING EXTERIOR					1	(1) BUILDING MOUNTED, FIELD LOCATED.

FIELD SHED		SIGNS REQUIRED (QUANTITY NOTED)					NOTES
ROOM #	ROOM NAME	S1	S2	S3	S4	S5	
T100	LOADING BAY						
T101	STORAGE		1				
T102	STORAGE		1				
N/A	BUILDING EXTERIOR					2	(2) BUILDING MOUNTED, FIELD LOCATED.

**BID FORM**

TO: City of Gulf Shores  
P.O. Box 299  
Gulf Shores, AL 36547

BIDDER: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

UEI NUMBER:

(check all that apply)

MBE   
WBE   
Not MBE or WBE

OWNERS: City of Gulf Shores, Alabama

PROJECT: **GULF COAST CENTER FOR ECOTOURISM & SUSTAINABILITY**

The BIDDER in compliance with the INSTRUCTIONS TO BIDDERS having received the Plans and Specifications for the PROJECT, and having received, read, and taken into account all ADDENDA as follows: (List number and dates of each Addendum) \_\_\_\_\_

and having inspected the site(s) and the conditions affecting and governing the accomplishment of the PROJECT, the undersigned proposes to furnish all materials and perform all labor, as specified to complete the base bid and any alternate bid(s) for the following:

BASE BID: \_\_\_\_\_

Dollars (\$\_\_\_\_\_)

ALTERNATES: (See Division 01 Section for Alternates)

1. Alternate #1: Furniture Package  
The sum of

\_\_\_\_\_  
Dollars (\$\_\_\_\_\_)

(Continued on next page)

UNIT PRICES: (See Division 01 Section for Unit Prices)

1. Unit Price #1: (Extra Site Grubbing & Clearing, Plus Gravel Laydown)  
the sum of

---

Dollars (\$ \_\_\_\_\_) / square foot in place

2. Unit Price #2: (Stabilized Gravel Paver System)  
the sum of

---

Dollars (\$ \_\_\_\_\_) / square foot in place

3. Unit Price #3: (Asphalt Trail Paving)  
the sum of

---

Dollars (\$ \_\_\_\_\_) / square foot in place

4. Unit Price #4: (Gravel Parking off Eco Trail Drive)  
the sum of

---

Dollars (\$ \_\_\_\_\_) / square foot in place

5. Unit Price #5: (Dewatering)  
the sum of

---

Dollars (\$ \_\_\_\_\_) / day

I/we agree to furnish at the prices shown and guarantee that each offered will meet or exceed all specifications, terms and conditions, and requirements listed. This is the total price and includes all charges to the City of Gulf Shores. I herein affirm that I have not been in any agreement or collusion among bidders in restraint of competition to bid at a fixed price or to refrain from bidding otherwise.



---

Name of Bidder

---

Address

---

Telephone/Fax Number

---

Email address

Corporate Seal

---

Al. Contractor License No. (if applicable)

---

Witness

---

Signature

---

Date

---

Title

**SECTION 01 2100  
ALLOWANCES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Cash allowances.
- B. Contingency allowance.
- C. Payment and modification procedures relating to allowances.

**1.02 RELATED REQUIREMENTS**

- A. Section 01 2000 - Price and Payment Procedures: Additional payment and modification procedures.

**1.03 CASH ALLOWANCES**

- A. The Contractor shall include in their base bid the cash and/or material allowances as described herein after for the purchase of materials as described or as to be determined herein. All costs for overhead, profit, bond, insurance and taxes shall not be included as part of the specified allowances and these overhead amounts shall be carried as an additional cost, where applicable, in a separate line item on the contractor's bid and subsequent schedule of values.
- B. All specified allowances shall appear as a line item amount, matching either the amount specified herein or the calculated amount from the unit price and material amount indicated, on the contractor's AIA Document G703, schedule of values.
- C. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, less applicable trade discounts
- D. General Contractor's Overhead and Profit is included in the Base bid.
- E. Architect Responsibilities:
  - 1. Consult with Contractor for consideration and selection of products, suppliers , and installers.
  - 2. Select products in consultation with Owner and transmit decision to Contractor.
  - 3. Prepare Change Order.
- F. Contractor Responsibilities:
  - 1. Assist Architect in selection of products, suppliers , and installers.
  - 2. Obtain proposals from suppliers and installers and offer recommendations.

3. On notification of which products have been selected, execute purchase agreement with designated supplier and installer.
  4. Arrange for and process shop drawings, product data, and samples. Arrange for delivery.
  5. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.
- G. Differences in costs will be adjusted by Change Order.

#### **1.04 CONTINGENCY ALLOWANCE**

- A. Specified allowance shall appear as a line item amount, matching the amount specified herein, on the contractor's AIA Document G703, schedule of values.
- B. Use of contingency allowance shall be specifically authorized in writing upon approval by authorized Owner Representative. A final accounting of all contingency funds used will be made by issuance of a change order at the end of the project.
- C. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- D. Funds will be drawn from the Contingency Allowance only by Change Order.
- E. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order. In addition to the balance of the allowance, all applicable costs for overhead, profit, bond, insurance, and taxes will be added to the allowance change order credit. Overhead amounts that can be clearly documented as being expended over the course of the project will be excluded from this added amount to the allowance credit. Refer to AIA 201 General Conditions for further information.

#### **1.05 ALLOWANCES SCHEDULE**

- A. Extra Site Grubbing & Clearing, Plus Gravel Laydown
  1. Provide unit price for 40,000 square feet of selective site clearing and grubbing per Civil specifications and purchase, delivery, and install of landscape fabric and gravel.
- B. Stabilized Gravel Paver System
  1. Provide unit price for 9,000 square feet of stabilized gravel paving system as indicated in drawings, including purchase, delivery, and install of gravel and paver system. Includes site clearing, grade preparation, and recommended base.
- C. Asphalt Trail Paving
  1. Provide unit price for 12,000 square feet of asphalt paved trails as indicated on drawings, includes purchase, delivery, and install.

D. Gravel Parking off Eco Trail Drive

1. Provide unit price for 2,000 square feet for owner-directed gravel parking, including any site clearing, grade preparation, and base. Includes purchase, delivery, and install.

E. Dewatering

1. Provide a unit price for 27 days of dewatering as required during excavation of building foundations, underground water cistern tanks, and utility trenching.

F. Wayfinding & Interpretive Signage

1. Cash allowance of \$50,000.00 to design/build and install signage as indicated on drawings.

G. Ropes Challenge Course

1. Cash allowance of \$300,000.00 to design/build a Ropes Challenge Course in the area indicated by A100 Site Plan and described by Section 11 6733 Climbing Systems.
2. Will include a combination of low elements, high elements, zip lines, and a climbing tower.
3. Design/Builder will be an Association for Challenge Course Technology (ACCT) certified installer and to be selected in coordination with the owner.

H. Contingency Allowance: Include the stipulated sum/price of \$100,000.00 for use upon Owner's instructions.

1. Contingency Allowance shall be used to cover unforeseen conditions or minor changes that are necessary to correct or supplement the design as detailed in the Contract Documents.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 01 2200  
UNIT PRICES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. List of unit prices, for use in preparing Bids.
- B. Measurement and payment criteria applicable to Work performed under a unit price payment method.
- C. Defect assessment and non-payment for rejected work.

**1.02 RELATED REQUIREMENTS**

- A. Section 01 2000 - Price and Payment Procedures: Additional payment and modification procedures.

**1.03 COSTS INCLUDED**

- A. Unit Prices included on the Bid Form shall include full compensation for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.

**1.04 UNIT QUANTITIES SPECIFIED**

- A. Quantities indicated in the Bid Form are for bidding and contract purposes only. Quantities and measurements of actual Work will determine the payment amount.

**1.05 MEASUREMENT OF QUANTITIES**

- A. Measurement methods delineated in the individual specification sections complement the criteria of this section. In the event of conflict, the requirements of the individual specification section govern.
- B. Take all measurements and compute quantities. Measurements and quantities will be verified by Architect.
- C. Assist by providing necessary equipment, workers, and survey personnel as required.

**1.06 PAYMENT**

- A. Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities of Work that is incorporated in or made necessary by the Work and accepted by the Architect, multiplied by the unit price.
- B. Payment will not be made for any of the following:
  - 1. Products wasted or disposed of in a manner that is not acceptable.

2. Products determined as unacceptable before or after placement.
3. Products not completely unloaded from the transporting vehicle.
4. Products placed beyond the lines and levels of the required Work.
5. Products remaining on hand after completion of the Work.
6. Loading, hauling, and disposing of rejected Products.

#### **1.07 DEFECT ASSESSMENT**

- A. Replace Work, or portions of the Work, not complying with specified requirements.
- B. If, in the opinion of Architect, it is not practical to remove and replace the Work, Architect will direct one of the following remedies:
  1. The defective Work may remain, but the unit price will be adjusted to a new unit price at the discretion of Architect.
- C. The individual specification sections may modify these options or may identify a specific formula or percentage price reduction.
- D. The authority of Architect to assess the defect and identify payment adjustment is final.

#### **1.08 SCHEDULE OF UNIT PRICES**

- A. Unit Price #1: Extra Site Grubbing & Clearing, Plus Gravel Laydown
  1. This unit price applies to extra site areas as indicated in the Site & Civil package to be selectively grubbed, cleared, and gravel added for owner's use.
  2. Coordinate with Owner for final extents of areas to be included for allowance.
  3. Quantity to Include in Base Bid Proposal: Forty thousand square feet (40,000 s.f.)
- B. Unit Price #2: Stabilized Gravel Paver System
  1. This unit price applies to pedestrian trail systems indicated on the drawings as having a stabilized gravel paver system.
  2. Refer to Section 32 1433 for system specifications.
  3. Quantity to Include in the Base Bid Proposal: Nine thousand square feet (9,000 s.f.)
- C. Unit Price #3: Asphalt Trail Paving
  1. This unit price applies to pedestrian trail systems indicated on the drawings as being surfaces with asphalt.
  2. Refer to Section 32 1216 for system specifications.

3. Quantity to Include in the Base Bid Proposal: Twelve thousand square feet (12,000 s.f.)

D. Unit Price #4: Gravel Parking off Eco Trail Drive

1. This unit price applies to additional on-street parking using gravel that is not indicated on the drawings.
2. Refer to Section XX XXXX for system specifications.
3. Coordinate with the Owner for final locations for additional parking.
4. Quantity to Include in the Base Bid Proposal: Two thousand square feet (2,000 s.f.)

E. Unit Price #5: Dewatering

1. This unit price applies to dewatering of excavation and trenching as required across the entire site.
2. Refer to Section XX XXXX for specifications.
3. Quantity to include in the Base Bid Proposal: Twenty-seven days (27 days)

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 04 2000**  
**UNIT MASONRY**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Concrete block.
- B. Mortar and grout.
- C. Reinforcement and anchorage.
- D. Flashings.
- E. Lintels.
- F. Accessories.

**1.02 RELATED REQUIREMENTS**

- A. Section 07 9200 - Joint Sealants: Sealing control and expansion joints.

**1.03 REFERENCE STANDARDS**

- A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- B. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units 2022.
- C. ASTM C91/C91M - Standard Specification for Masonry Cement 2023.
- D. ASTM C129 - Standard Specification for Nonloadbearing Concrete Masonry Units 2017.
- E. ASTM C270 - Standard Specification for Mortar for Unit Masonry 2019a, with Editorial Revision.
- F. BIA Technical Notes No. 7 - Water Penetration Resistance – Design and Detailing 2017.
- G. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures 2022.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

**1.05 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.



- B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.
- C. Shop Drawings: Indicate pertinent dimensions, materials, anchorage, size and type of fasteners, and accessories for brickwork support system.
- D. Manufacturer's Certificate: Certify that masonry units meet or exceed specified requirements.
- E. Manufacturer's Qualification Statement.
- F. Installer's Qualification Statement.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 6000 - Product Requirements, for additional provisions.

### **1.06 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

### **1.07 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.
- B. Contractor is responsible for transport of exterior facing brick to be used for courtyard and miscellaneous exterior repair from UA's University Services Campus lay down yard to the job site.

## **PART 2 PRODUCTS**

### **2.01 CONCRETE MASONRY UNITS**

- A. Concrete Block: Comply with referenced standards and as follows:
  - 1. Size: Standard units with nominal face dimensions of 16 by 8 inches (400 by 200 mm) and nominal depths as indicated on drawings for specific locations.
  - 2. Load-Bearing Units: ASTM C90, normal weight.
    - a. Hollow block, as indicated.
    - b. Exposed Faces: Manufacturer's standard color and texture.
  - 3. Nonloadbearing Units: ASTM C129.

- a. Hollow block, as indicated.

## **2.02 MORTAR AND GROUT MATERIALS**

- A. Masonry Cement: ASTM C91/C91M, Type S.
- B. Water: Clean and potable.

## **2.03 REINFORCEMENT AND ANCHORAGE**

- A. Reinforcing Steel: Type specified in Section 03 2000; size as indicated on drawings; uncoated finish.
- B. Joint Reinforcement: Use ladder type joint reinforcement where vertical reinforcement is involved and truss type elsewhere, unless otherwise indicated.

## **2.04 FLASHINGS**

- A. Metal Flashing Materials: Stainless Steel, as specified in Section 07 6200.

## **2.05 MORTAR AND GROUT MIXING**

- A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that field conditions are acceptable and are ready to receive masonry.
- B. Verify that related items provided under other sections are properly sized and located.
- C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

### **3.02 PREPARATION**

- A. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

### **3.03 COLD AND HOT WEATHER REQUIREMENTS**

- A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

### **3.04 COURSING**

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.

C. Concrete Masonry Units:

1. Bond: Running.
2. Coursing: One unit and one mortar joint to equal 8 inches (200 mm).
3. Mortar Joints: Flush.

**3.05 PLACING AND BONDING**

- A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- B. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.
- C. Remove excess mortar and mortar smears as work progresses.
- D. Remove excess mortar with water repellent admixture promptly. Do not use acids, sandblasting or high pressure cleaning methods.
- E. Interlock intersections and external corners.
- F. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.
- G. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

**3.06 REINFORCEMENT AND ANCHORAGE - GENERAL**

- A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches (400 mm) on center.
- B. Place continuous joint reinforcement in first and second joint below top of walls.
- C. Lap joint reinforcement ends minimum 6 inches (150 mm).

**3.07 MASONRY FLASHINGS**

- A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
  1. Seal lapped ends and penetrations of flashing before covering with mortar.
- B. Extend metal flashings through exterior face of masonry and terminate in an angled drip with hemmed edge. Install joint sealer below drip edge to prevent moisture migration under flashing.
- C. Lap end joints of flashings at least 6 inches (152 mm), minimum, and seal watertight with flashing sealant/adhesive.

### **3.08 TOLERANCES**

- A. Install masonry within the site tolerances found in TMS 402/602.

### **3.09 CLEANING**

- A. Remove excess mortar and mortar droppings.
- B. Replace defective mortar. Match adjacent work.
- C. Clean soiled surfaces with cleaning solution.
- D. Use non-metallic tools in cleaning operations.

### **3.10 PROTECTION**

- A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.

### **END OF SECTION**