



Central Purchasing
213 South Oliver Drive
Aztec, New Mexico 87410
(505) 334-4551

BID No. 23-24-24 Cooperative Extension Office

**ADDENDUM #3
July 8, 2024**

**ADDITIONAL INFORMATION / CHANGES / ADDITIONAL INFORMATION TO THE BID
SPECIFICATIONS AS FOLLOWS:**

Attachments:

- Changes and clarification to the bid specifications have been made pursuant to the attached addendum sheet as provided by Rodahl & Hummell Architecture. (10 pages).

Plan Holders List:

Bidders are reminded that in order to obtain the most current and up to date listing of plan holders, you are encouraged to visit the County's Website at www.sjcounty.net.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE OFFER PAGE.

July 8, 2024

This addendum takes precedence over work shown on the Plans and described in the Specifications and shall become a part of the Contract Documents. All work not specifically noted as changed or modified shall be furnished and installed as shown on original Drawings and as outlined in the original specifications.

Specifications:

- Item #1: Specification Section 07 2100. Building Insulation. Change 2.1, A. to "Batt Insulation (exterior walls) R-21 Kraft Faced Batts". This will take precedence on all notes related to exterior wall insulation in the drawings.
- Item #2: Specification Section 09 2900, 3.5, Finish Texture. Change to read:
- A. Hand apply drywall joint compound to smooth sanded wall with light skip "Mediterranean" texture.
 - B. Sand texture as required to have minimal relief.
 - C. Provide 4'x4' sample of texture for Architect approval prior to starting on walls.
- Item #3: Specification Section 04 2200. Concrete Masonry Veneer is attached with this addendum.
- Item #4: Specification section 12 2413. Roller Window Shades
- 1. 2.2, F, 1. Omit the reference to room 200.
 - 2. 3.2, B. Omit

Drawings:

- Item #5: Sheet E0. Lighting Fixture Schedule. This schedule has been revised and is attached to this addendum. Fixtures P, W1 and W1E have been changed.
- Item #6: Sheet E1. Room 119. Provide (2) 3 way light switches and an occupancy sensor on the west switch.

End of Addendum #3

PRIOR APPROVALS:

Each product for which the Contractor desires to use other than the specific item identified in the specifications or drawings, the Contractor shall bear full responsibility to prove to the Architect/Engineer that the furnished product is equivalent to or better than the specified item. Failure to provide such proof will result in rejection of the shop drawing submittal by the Architect/Engineer. Prior written or verbal approval by the Architect/Engineer of equipment by other manufacturers will not relieve the Contractor of responsibility to provide equivalence. Any prior approval given is intended only to provide preliminary agreement that the alternate manufacturer may make equipment that complies with the specification requirements and not that all equipment manufactured by them is acceptable.

<u>Spec Section</u>	<u>Item</u>	<u>Approved Supplier / Item</u>
07 4113	Metal Roof /Soffit	Pac-Clad Snap-Clad (roof) Flush Soffit Panel
26 5119	<u>Lighting:</u> Type "A" Type "AE" Type "B" Type "R" Type "U" Type "V" Type "EM" Type "X" Type "X1" Type "EG" Type "W"	<u>Approved Manufacturer:</u> CREE CREE CREE Envision CREE Keystone Lifesafety Lighting Lifesafety Lighting Lifesafety Lighting Lifesafety Lighting Keystone

ENCLOSURES:

1. Specification Section 04 2200 - Concrete Masonry Veneer
2. Lighting Fixture Schedule

SECTION 04 22 00
CONCRETE MASONRY VENEER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete masonry veneer units; Split Face Concrete masonry.
- B. Mortar for unit masonry.
- C. Reinforcement, anchorages, and accessories.

RELATED SECTIONS** NOTE TO SPECIFIER

- D. Section 07 60 00 - Flashing and Sheet Metal.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. ASTM A 82 / A 82M - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement.
 - 2. ASTM A 153 - Standard Specification for Zinc-Coated (Hot Dip) on Iron and Steel Hardware.
 - 3. ASTM A 496 / A 496M - Standard Specification Steel Wire, Deformed, for Concrete Reinforcement.
 - 4. ASTM A 641 / A 641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire.
 - 5. ASTM A 951 / A 951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement.
- B. International Building Code (IBC).
 - 1. IBC - Chapter 21 Masonry.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Storage and handling requirements and recommendations.
 - 2. Installation methods.
 - 3. Cleaning and maintenance instructions.
- C. Certificates: Certificate of Compliance to specified performance requirements.
- D. Test Reports: Submit manufacturer's Material Test Report (ASTM C140).
 - 1. Dimensional Analysis.
 - 2. Absorption Analysis.
 - 3. Compressive Strength Analysis.
- E. Verification Samples: For each product specified, two samples, representing types, colors, textures, and finishes to be installed.
- F. USGBC LEED Submittals: Submit manufacturer's documentation of the following items:
 - 1. MR Credit 4.1 and 4.2: Recycled content of products, indicating percentages by weight of preconsumer and postconsumer recycled content, or percentages of

- supplementary cementitious content.
- 2. MR Credit 5.1 and 5.2: For projects within 500 miles of manufacturing location where materials are extracted, processed and manufactured.

1.4 QUALITY ASSURANCE

- A. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Construct a separate (not part of the actual building) sample wall panel not less than 4 feet by 4 feet (1.2 m x 1.2 m) with units in the pattern, type, color, texture, finish and shape as indicated on Drawings and specifications. Cleaning agents and methods shall be performed prior to approval of the sample panel.
 - 2. Do not proceed with remaining work until workmanship, patterns, types, colors, textures, finishes and shape are approved by Architect. Maintain Mock-up during construction for workmanship standard.
 - 3. Rework mock-up area as required to produce acceptable work.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations. Stack cubes of concrete masonry veneer units only one cube high. Protect from damage.
- B. Delivery: Deliver concrete masonry veneer units in manufacturer's unopened, labeled packaging. Units shall be inspected upon delivery. Defective units shall be removed immediately.
- C. Storage: Store materials off the ground and keep free from groundwater, soil contamination, mud, and dust. Materials shall be protected from precipitation and harmful weather conditions. Product with visible frozen moisture shall not be installed.
- D. Handling: Units shall be handled in a manner that prevents breakage and damage.

1.6 PROJECT CONDITIONS

- A. Temperature and Weather:
 - 1. Protect concrete masonry veneer units from rain and freezing temperatures prior to, during, and for 48 hours after installation of materials.
 - 2. When ambient temperature is below 40 degrees F (4.4 degrees C) or exceeds 90 degrees F (32.2 degrees C), comply with requirements for project conditions in accordance with MSJC Specification for Masonry Structures including the following:
 - a. Par. 1.8 C. Cold Weather Construction.
 - b. Par. 1.8 D. Hot Weather Construction.
 - 3. Do not continue masonry construction during heavy rains, as partially set or plastic mortar is susceptible to washout until 8 to 24 hours of curing occurs (depending upon environmental conditions).
 - 4. When rain is likely, cover construction materials. Newly constructed masonry shall be protected from rain by draping a weather-resistant covering over the assembly. The cover shall be secured in place and extend over mortar that is susceptible to washout.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Southwest Building Block, which is located at: 522 South Miller Ave, Farmington, NM
- B. Substitutions: Eagle Block, Durango ,Co, Utility Block Company, Albuquerque, NM

- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 CONCRETE MASONRY VENEER UNITS

A. Concrete Masonry Veneer Units:

1. Product: Split Face
2. Description: Normal weight, integrally pigmented loadbearing solid units with a net area compressive strength of greater than or equal to 5000 psi.
3. Compliance: ASTM C.1634 & ASTM C 90.
4. Recycled Content: Up to 30 percent Supplementary Cementitious Materials.
5. Coloring: Integral, through-body coloring; synthetic or natural iron oxide pigments.
6. Concrete Masonry Veneer Units are manufactured with Integral Polymer Emulsion Water Repellent.
7. Size and Shape: 3-3/4 inches (95 mm) x 8" x 16".
8. Color: Variegated color blending as selected from manufacturers standard selections.
 - a. Color: To be selected from samples to match adjacent SJC Administration building.

2.3 REINFORCEMENT AND ANCHORAGE

A. Truss Type: Fabricated from cold drawn steel wire ASTM A 82; conforming to ASTM A 951; 9 gauge deformed side rods conforming to ASTM A 496 / A 496M; 9 gauge cross rods.

1. Coating for Corrosion Protection: Mill galvanized per ASTM A 641 / A 641M, Zinc Coated (0.1 oz. per sq.ft.).
2. Coating for Corrosion Protection: Hot-dipped galvanized per ASTM A 153 / A 153M Class B.
3. Acceptable Products:
 - a. Truss Type Series 300 / 2 Wire System as manufactured by Wire Bond.
 - b. #120 Truss-Mesh as manufactured by Hohmann and Barnard, Inc.
4. Width: Nominal 4 inches (102 mm) wire; actual - approximately 2 inches (51 mm).
5. Install continuously in horizontal mortar joints in vertical intervals of not more than 16 inches (406 mm) O.C.
6. length to embed longitudinal portion of tie into center of concrete masonry veneer +/- 1 inch (25 mm).
7. Install continuously in horizontal mortar joints in vertical intervals of not more than 16 inches (406 mm).

B. Veneer Anchors for Concrete Masonry Veneer Unit with Steel Stud back-up: 2-Piece anchors.

1. Plate Portion: 14 gauge; Hot-dipped galvanized ASTM A 153 / A 153M Class B.
2. Ties: 3/16 inch (4.76 mm) diameter wire; Hot-dipped galvanized ASTM A 153 / A 153M Class B.
3. Products For Use Without Exterior-To-Studs Insulation:
 - a. Type III Anchor as manufactured by Wire Bond.
 - b. DW-10HS as manufactured by Hohmann and Barnard, Inc.
4. Products For Use With Exterior-To-Studs Insulation: X-Seal Anchors as manufactured by Hohmann and Barnard, Inc. or manufacturer approved equal.
5. Ties shall be of sufficient length to embed longitudinal portion of tie into center of concrete masonry veneer +/- 1 inch (25 mm).
6. Anchors shall be installed per NCMA TEK 3-6C-12, 1 tie / 2.67 ft² of wall surface veneer.

2.4 FLASHING

A. Weep Vents for Concrete Masonry Veneer Unit:

1. 2-5/8 inches x 3-1/2 inches x 1/2 inches (67 mm x 89 mm x 13 mm) open-weave recycled polyester mesh.
2. Product: Weep Vents as manufactured by Mortar Net USA, Ltd or manufacturer approved equal.
3. Weep Vents shall be installed a minimum of 32 inches (813 mm) O.C.
4. Weep Vents color shall match color of the mortar joints.

2.5 MORTAR

- A. Mortar for Concrete Masonry Veneer Unit:
1. Masonry Cement conforming to ASTM C 91, Type N.
 2. Cement - Lime.
 - a. Portland Cement: ASTM C 150
 - b. Portland and Lime shall be mixed to meet ASTM C 270 property specification Type N.
 3. Mortar Color: Gray.
 4. Joint Striking: Concave.
- B. Aggregate for Mortar: ASTM C 144.
1. Water-Repellant Admixture: Liquid water-repellant mortar admixture or manufacturer approved equal.
- C. Water: Clean and potable.

2.6 CONTROL JOINTS

- A. Control Joints shall be built into Concrete Masonry Veneer Unit walls according to the recommendations of NCMA TEK 10-4. Joints shall not exceed the lesser of: a maximum panel length to height ratio of 1-1/2:1 or a distance of 20 ft (6.1 m).
- B. Control Joint Gasket: 2-5/8 inch (67 mm) PVC compound with 80 Durometer hardness conforming to ASTM D 2240.
- C. Backer Rods: Backer rod diameter shall be 1/8 inch (3 mm) larger than width of the control joint.
1. Closed-cell polyethylene foam complying with ASTM C 1330, Type C.
 2. Acceptable Products: Sonolastic Closed-Cell Backer-Rod as manufactured by Sonneborn or manufacturer approved equal.
- D. Sealant:
1. Elastomeric polyurethane conforming to ASTM C 920.
 2. Acceptable Products: Sonolastic NP 2 as manufactured by Sonneborn or manufacturer approved equal.
 3. Sealant depth at midpoint shall be minimum 1/4 inch (6 mm); maximum 3/8 (9.5 mm).
 4. Sealant color shall match color of Concrete Masonry Veneer Unit.

2.7 SEALERS

- A. Manufacturer recommends no sealer for Concrete Masonry Veneer Units.

2.8 CLEANERS

- A. Cleaners: Non muriatic acid cleaner.
- B. Cleaners: As applicable and after a test area is prepared.
1. Acceptable Product: SureKlean Custom Masonry Cleaner, as manufactured by PROSOCO.

2. Acceptable Product: NMD-80 as manufactured by EaCo Chem Inc.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Examination:
 1. Verify the foundations or bearing elements are within tolerances conforming to the requirements of ACI 117.
 2. Verify built-in items are in proper location, and ready to receive masonry work.

- B. Do not proceed with installation until substrates have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.

3.2 INSTALLATION

- A. Concrete Masonry Veneer Unit:
 1. Install concrete masonry veneer units in accordance with MSJC Specifications for Masonry Structures and manufacturer's instructions.
 2. Bond Pattern for Exposed Masonry: Running bond.
 3. Lay units by selecting product from more than one pallet at a time during installation.
 4. Lay units with full mortar head and bed joints.
 5. All cutting shall be done with masonry saw to provide, clean, sharp, unchipped edges.
 6. Do not use masonry units with broken corners and edges in excess of ASTM C90 and ASTM C1634.
 7. Temporary Formwork and Shores: Construct formwork to support reinforced masonry elements during construction.
 8. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

- B. Control Joints: Designed to reduce restraint and permit longitudinal movement. Per NCMA Tek Note 10-2C and 10-4, proper control joint spacing is required for concrete masonry veneer walls.
 1. Concrete Masonry Veneer Unit: Joints shall not exceed the lesser of: a maximum panel length to height ratio of 1-1/2:1 or a distance of 20 feet.

- C. Mortar and Mortar Joints:
 1. Mortar Mixing.
 - a. Mix mortar ingredients in accordance with ASTM C270.
 - b. Add mortar coloring.
 - c. Add water repellent admixture specified by manufacturer.
 - d. Mix mortar components between 3 and five minutes.
 2. Mortar Joints
 - a. Tool exposed joints when mortar is thumbprint hard, using jointer larger than joint thickness.
 - b. Remove excess mortar smears as work progresses.

- D. Horizontal Joint Reinforcement:
 1. Place joint reinforcements in horizontal mortar joints in first course, at 8 inches (203 mm) above and below openings, and below bearing locations.
 2. Install joint reinforcement in the bed joints 16 inches (406 mm) on center vertically in veneer applications, in the exterior wythe of composite and non-composite wall

- construction.
3. Nonstructural, horizontal, joint reinforcement shall not be installed continuously through control joints.
- E. Veneer Anchors and Ties: Install to allow for vertical and horizontal movement. Ties shall be securely attached to studs through sheathing and/or insulation and not to the sheathing/insulation alone complying with NCMA TEK 3-6C-12
- F. Ambient Conditions: When ambient air temperature is outside the range of 40 to 90 degrees F (4.4 to 32.2 degrees C), implement procedures and comply with recommendations in accordance with MSJC Specification for Masonry Structures.
- G. During construction and until the walls are roofed, the coping is installed, or the top bond beam course is grouted solid, keep walls covered to prevent rain or snow intrusion into the Concrete Masonry Veneer Unit or wall cavities.
- H. Keep concrete masonry veneer units and walls clean during construction. Prevent grout or mortar from staining the face of masonry. Mortar and grout soiling (droppings, splatters, and smears) shall be removed at the end of each day following standard masonry practices.
- I. Loading:
1. Do not apply uniform floor or roof loads for a minimum of 12 hours after building masonry walls.
 2. Do not apply concentrated loading for a minimum of 3 days after building masonry walls or columns.
- J. Flashing and Weeps:
1. Install flashing as indicated on drawings, as specified herein and in all of the following locations:
 - a. Above grade at base of walls.
 2. Weep Vents shall be provided at all flashing locations at intervals not to exceed 32 inches (813 mm) O.C.
- K. Cleaning:
1. After mortar is thoroughly set and cured, clean concrete masonry veneer units explicitly following manufacturer's recommended cleaning instructions.
 2. All caulking and sealant materials shall be in place and cured prior to cleaning.
 3. Application of cleaner above 50 psi is prohibited.
 4. Pressure rinse with 800 to 1000 psi at a water flow rate of 6-8 gallons per minute and a 40 degree fan spray tip. Reduce water pressure to avoid damage to delicate masonry.
 5. A test panel shall be cleaned and approved by architect prior to general wall cleaning.
- L. Sealers: Follow manufacturer's recommended instructions.

3.3 POINTING AND CLEANING

- A. Contractor shall keep concrete masonry veneer units, walls and surrounding work clean during construction following standard masonry practices. Mortar soiling (including but not limited to droppings, splatters, smears) shall be removed at the end of each day. Remove mortar soiling from masonry work and connecting work before its final set. Mortar droppings that adhere to the exposed face of the units shall be removed using brick/block scrap after being allowed to harden, without causing damage to the exposed face of installed units. Remaining mortar shall be removed with a stiff fiber brush.
- B. At installation completion of exposed concrete masonry veneer units, tuck-point holes and imperfections in joints of all exposed masonry surfaces, completely filling with mortar. Tool to

match surrounding mortar joints. After pointing hardens, and within fourteen days of finished work, clean masonry surfaces of all excess mortar soiling and dirt.

- C. All concrete masonry veneer units shall be cleaned in strict accordance with specified manufacturer's instructions. Mild masonry detergents/cleaners and power washing systems shall be properly used. Strong acids, acid washes, or chemicals with a strong acid reaction shall not be used.

3.4 PROTECTION

- A. Protection:
 1. Protect installed work from damage due to subsequent construction activity on the site.
 2. Protect masonry materials during storage and construction to prevent moisture intrusion and soiling.
 3. During erection, cover tops of walls to prevent moisture penetration into concrete masonry veneer units and cavities of wall system.
 4. Provide final protection and maintain jobsite conditions that ensure concrete masonry veneer units are without damage, deterioration, or soiling.

END OF SECTION

LIGHTING FIXTURE SCHEDULE

TYPE	VOLT	MANUFACTURER NUMBER	FIXTURE DESCRIPTION	WATTS	LUMENS	CR/CCCT	NOTES	MOUNTING
		INTERIOR LIGHTING						
A	UNV	METALUX #24CZLDS-66-S-UNV-L840-CD-1-U	2'X4' RECESSED LED	45.50	5700	80/4000K	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	RECESSED
AE	UNV	METALUX #24CZLDS-66-S-UNV-EL7W-L840-CD-1-U	2'X4' RECESSED LED, EMER BATT PACK	45.50	5700	80/4000K	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	RECESSED
R	UNV	METALUX #NWS3C3-UNV	4" NWS SELECTABLE WRAP, LUMEN SETTING HIGH, 4000K, 62 CRI	36.00	5272	82/4000K		
U	UNV	METALUX #4SNLED-4DS-4SL-UNV-L840-CD-1-U	SNLED BASE STRIPLIGHT	35.00	4627	80/4000K	ACCESSORIES; EMI FROST LENS	
V	UNV	NEO RAY #S122DW-C-66SD-80-40-4F0-1-U-D0DF-W	WALL LIGHT 2'X4', DIRECT WALL MOUNTED	35.20	3400	80/4000K	VERIFY ACCESSORIES AND MOUNTING HT.	WALL
EM	UNV	SURELITES #SEL-60-XX-SD	LED EMERGENCY LIGHT, SELF DIAGNOSTIC	1.20	210	-		WALL
X	UNV	SURELITES #L-PXC-25-SD	EXIT/EMER WIZ HEADS, SELF DIAGNOSTIC	2.50	-	-	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	SURFACE
X1	UNV	SURELITES #L-PX-6-SD	EXIT LIGHT, SELF DIAGNOSTIC	1.02	-	-	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	SURFACE
		EXTERIOR LIGHTING						
EG	UNV	EXTRONIX TRL-ACEM-TBD-CL	EMERGENCY LIGHT WET LOCATION	0.60	-	4000K	FINISH BY ARCHITECT, PHOTOCELL ON	SURFACE
P1	UNV	COOPER INVUE #ICS-E01-LED-E1-1-73-TBD-1-2FT-ARP-POLE	1-HEAD POLE PARKING LIGHT	52.00	5923	4000K	CONTRACTOR TO PROVIDE POLE MOUNT, ALL NEEDED OPTIONS AND ACCESSORIES	
P2	UNV	COOPER INVUE #ICS-E02-LED-E1-1-73-TBD-1-2FT-ARP-POLE	2-HEAD POLE PARKING LIGHT	52.00	5923	4000K	CONTRACTOR TO PROVIDE POLE MOUNT, ALL NEEDED OPTIONS AND ACCESSORIES	
W	UNV	LUMARK #XTOR2B-W-XXPC1	WALL PACK	16.00	1997	4000K	FINISH BY ARCHITECT	SURFACE
W1	UNV	HALO #HC6-16-CD10-HM0626840-61WDC	6" LED DOWNLIGHT	15.00	1500	4000K	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	RECESSED
W1E	UNV	HALO #HC6-16-CD10-REMT7-HM0626840-61WDC	6" LED DOWNLIGHT, EMER BATTERY PACK	15.00	1500	4000K	CONTRACTOR TO PROVIDE ALL MOUNTING HARDWARE	RECESSED

1. PROVIDE SEISMIC SUPPORT, 2 INDEPENDENT SUPPORT WIRES PER FIXTURE.
2. COORDINATE WITH ARCHITECT FINISH AND MOUNTING HEIGHT.
3. CONTRACTOR TO PROVIDE COMPLETE SYSTEM LIGHT FIXTURES, SWITCHES, TIME CLOCKS, SENSORS AND CONTROLLERS.
4. CONTRACTOR TO PROVIDE TIME CLOCKS AND ALL HARDWARE, SWITCHES, SENSORS, CONTROLLERS, ETC. COORDINATE LOCATIONS WITH OWNER.

AREA SQFT	8725
FIX QTY	TOTAL W
INTERIOR	
84	3654
23	1000.5
5	104.5
7	245
4	140.8
NA	
NA	
NA	
INTERIOR AREA TOTAL WATTS	5234.80
WATT PR SQ FT	0.60