

**CARSON CITY PURCHASING & CONTRACTS**  
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<http://www.carson.org/Index.aspx?page=998>

**NOTICE TO CONTRACTORS - BID #1415-143**  
**BID TITLE "Carson City Animal Services Facility"**  
**Labor Commissioner PWP# CC-2015-116**  
**Engineer's Estimate: \$2,900,000**  
March 12, 2015

**Addendum No. 1**

Please make the following additions/changes to the above referenced project.

1. The date, time and place for receiving bids remains unchanged.
2. Replace the Table of Contents drawing sheet Index pages TOC-4 & TOC-5
3. Make the following changes and/or modifications to the Technical Specification or plan set:

*Specifications:*        **Delete** Section 04200 – Unit Masonry, and **Replace with** new section  
04200– Unit Masonry:  
**Addition** of 2.05 MASONRY SEALER.

*Specifications:*        **Delete** Section 04711 – Manufactured Stone Veneers: and **Replace with**  
new section 04711– Manufactured Stone Veneers:  
**Revised** 2.02/D Masonry Sealer

*Specifications:*        Section 03300 – Cast in Place Concrete/3.01/M/1.  
**Add Clarification** on Vapor barrier installation

*Vapor barrier to be installed under entire building slab, including the exterior dog run slabs.*

*Per Geotechnical Report, note the following: One-inch (minimum) layers of clean sand should be provided above and below the vapor barrier material so as to protect it from puncture or damage. The vapor barrier should extend to the edges of the slab, and should be sealed at all seams and penetrations. Care should be taken to avoid any disturbance or rupture to the water-proofing measures throughout the construction process.*

*G001*                        **Delete** G001 and **Replace with** new G001  
Changed sheet title of C102 and Deleted sheet C112

*AS101*                     **Delete** AS101 and **Replace with** new AS101  
Addition of Over Excavation Note  
Coordination of keynotes with Civil Drawings

- A101      **Delete A101 and Replace with new A101**  
*Keynote Revision at Intake Garage 3.303 to 3.350*
- A201      **Delete A201 and Replace with new A201**  
*Correction of finish floor height tags on building elevations.*
- C101      **Delete C101 and Replace with new C101**
- C102      **Delete C102 and Replace with new C102**  
*Changed sheet title of C102*
- C105 C106      **Delete C105 and C106 and Replace with new C105 and C106**  
*Move sewer point of connection to 10'-2" from NE corner of Intake Garage.  
 Move water line for yard hydrant to 13'-9" from SE corner of Intake Garage.  
 Specify 2" supply line through 1.5" water meter. Move NG POC to 6' from SE  
 corner of Intake Garage, keeping gas meter where shown on plumbing plans.  
 Civil drawings modified to show dimensions and rotation of building from Airport  
 Road right of way and provided horiz/vert survey datum.*
- C108      **Delete C108 and Replace with new C108**  
*Added 2" meter set detail*
- C111      **Delete C111 and Replace with new C111**  
*Modified PCC Retaining Curb*
- C112      **Delete C112**
- P102      **Delete P102 and Replace with new P102**  
*Water entrance moved to East side of intake garage.*
- ES101      **Delete ES101 and Replace with new ES101**  
*Relocated main service switch and meter to the center of the building*
- E103      **Delete E103 and Replace with new E103**  
*Public Hall 102 – added 2 smoke detectors  
 Hall 115 – added 2 smoke detectors  
 Staff Hall 124 – added 1 smoke detector (located between rooms 131 and 133)  
 Hall 130 – added 1 smoke detector  
 Hall 134 – added 1 smoke detector  
 ACO's Office 142 - added 1 smoke detector*
- E105      **Delete E105 and Replace with new E105**  
*Added WP/GFCI receptacle on the roof adjacent to EC-5.*

End of Addendum No. 1

# TABLE OF CONTENTS

SECTIONS	PAGE
<b>Special Conditions</b>	<b>SC-1 thru SC-25</b>
<b>Preliminary Geotechnical Investigation dated 1/20/2015</b>	<b>1 thru 66</b>
<b>Technical Specifications</b>	<b>TS-1 thru TS-158</b>
<b>Attachment A 2015 Prevailing Wage Rates for Carson City</b>	<b>A-1 thru A-32</b>

Drawing Sheets (87 Sheets):

No.	Title
G001	TITLE SHEET
G101	EGRESS PLAN
AS101	ARCHITECTURAL SITE PLAN
C101	COVER SHEET
C102	DEMOLITION AND EXISTING SITE PLAN
C103	CIVIL SITE PLAN
C104	GRADING AND DRAINAGE PLAN
C105	OVERALL UTILITY PLAN
C106	DETAILED UTILITY PLAN
C107	FRONTAGE IMPROVEMENTS PLAN
C108	DETAILS
C109	DETAILS
C110	DETAILS
C111	DETAILS
L1	LANDSCAPING PLAN
L2	LANDSCAPE DETAILS
L3	MULCHING PLAN
L4	PLANTING & IRRIGATION NOTES
L5	IRRIGATION PLAN
L6	IRRIGATION DETAILS
S0.1	GENERAL NOTES
S0.1A	SPECIAL INSPECTION NOTES & TABLES
S0.2	CONCRETE GENERAL NOTES & DETAILS
S0.02A	CONCRETE SLAB ON GRADE REQUIREMENTS
S0.3	TIMBER GENERAL NOTES
S0.3A	TIMBER GENERAL DETAILS
S0.3B	TIMBER GENERAL DETAILS (2)
S0.3C	WOOD SHEARWALL GENERAL NOTES
S0.4	MASONRY GENERAL NOTES & DETAILS
<u>S0.4A</u>	STRUCTURAL STEEL & METAL DECK, GENERAL NOTES & DETAILS
S0.5	EARTHWORK GENERAL NOTES & DETAILS
S100	FOUNDATION PLAN
S101	FOUNDATION CONTROL JOINT PLAN
S200	ROOF FRAMING PLAN
S201	SHEARWALL PLAN
S300	FOUNDATION DETAILS
S400	ROOF FRAMING DETAILS
S500	TIMBER TRUSS DETAILS
A101	ARCHITECTURAL FLOOR PLAN
A102	DIMENSION PLAN
A103	REFLECTED CEILING PLAN
A104	ROOF PLAN

# TABLE OF CONTENTS

SECTIONS		PAGE
A201	EXTERIOR ELEVATIONS	
A202	INTERIOR ELEVATIONS	
A203	INTERIOR ELEVATIONS	
A204	INTERIOR ELEVATIONS	
A205	INTERIOR ELEVATIONS	
A301	BUILDING SECTIONS	
A302	WALL SECTIONS	
A303	WALL SECTIONS	
A304	WALL SECTIONS	
A501	MISC. DETAILS	
A502	MISC. DETAILS	
A503	SOFFIT DETAILS	
A504	DOOR DETAILS	
A505	DOOR DETAILS	
A506	WINDOW DETAILS	
A507	ROOF AND WALL DETAILS	
A601	DOOR SCHEDULE AND TYPES	
A602	WINDOW TYPES	
I101	INTERIOR SPECIFICATIONS	
I102	REFERENCE FLOOR PLAN	
I103	INTERIOR ELEVATIONS	
I104	INTERIOR ELEVATIONS	
I105	INTERIOR ELEVATIONS	
P101	PLUMBING WASTE AND VENT <u>PLAN</u>	
P102	PLUMBING WATER PLAN	
P103	PLUMBING MEDICAL GAS PLAN	
P104	PLUMBING GAS PLAN	
P105	PLUMBING ROOF PLAN	
P501	PLUMBING DETAILS	
P601	PLUMBING SCHEDULES	
P701	PLUMBING WASTE AND VENT RISER DIAGRAM	
M101	MECHANICAL HVAC PLAN	
M501	MECHANICAL DETAILS	
M502	MECHANICAL DETAILS	
M601	MECHANICAL SCHEDULES	
M602	MECHANICAL SCHEDULES	
ES101	ELECTRICAL SITE PLAN	
E101	LIGHTING PLAN	
E102	RECEPTACLE PLAN	
E103	SPECIAL SYSTEM PLAN	
E104	POWER PLAN - MECHANICAL	
E105	ELECTRICAL ROOF PLAN	
E201	POWER RISER DIAGRAM AND PANEL SCHEDULE	
E202	ELECTRICAL DETAILS	
E203	ELECTRICAL LEGEND, SCHEDULES AND DETAILS	

## **SECTION 04200 - UNIT MASONRY**

### **PART 1 – GENERAL**

#### **1.01 RELATED DOCUMENTS**

- A. Drawings and General Provisions of Contract, including General and Special Conditions and Technical Specification sections, apply to Work of this Section.

#### **1.02 SUMMARY**

- A. Drawings and General Provisions of Contract, including General and Special Conditions and Technical Specification sections, apply to Work of this Section.
- B. Coordinate with structural engineering specifications, both written and those included on drawings. Submit questions in writing to architect for clarification of conflicting information.
- C. Section includes:
  - 1. Concrete masonry unit bearing walls.
  - 2. Concrete masonry unit non-bearing partitions.
  - 3. Freestanding site masonry walls.
  - 4. Masonry mortar and grout
- D. Coordinate with structural engineering specifications, both written and those included on drawings. Submit questions in writing to architect for clarification of conflicting information. Structural drawings and specifications supersede architectural specifications regarding concrete.

#### **1.03 SUBMITTALS**

- A. Product Data: Submit manufacturer's product data, samples, color charts, and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections and relationship with adjacent construction. Coordinate with structural engineering drawings for shop drawing submittal requirements.

#### **1.04 QUALITY ASSURANCE**

- A. Comply with governing codes and regulations. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Testing: Independent Testing Laboratory.
- C. ASTM International (ASTM)
  - 1. A951 - Standard Specification for Masonry Joint Reinforcement.
  - 2. C67 - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.
  - 3. C90 - Standard Specification for Hollow Loadbearing Concrete Masonry Units.
  - 4. C129 - Standard Specification for Hollow Nonloadbearing Concrete Masonry Units.
  - 5. C216 - Standard Specification for Facing Brick
  - 6. C652 - Standard Specification for Hollow Brick
  - 7. C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Concrete.
  - 8. C1019 - Standard Test Method for Sampling and Testing Grout.
- D. Perform Work in accordance with standards of acceptable practice as defined by The Masonry Society, American Concrete Institute, National Concrete Masonry Association, Brick Industry Association, and the Structural Engineering Institute of the American Society of Civil Engineers.
  - 1. American Concrete Institute (ACI): ACI 530-13 and ACI 530-13.1
  - 2. The Masonry Society (TMS) 402 - Building Code for Masonry Structures and 602 - Specification for Masonry Structures.
- E. Comply with PCA Recommended Practices for Laying Concrete Block, Brick Institute of America (BIA) Tech Notes, and NCMA, including ties, reinforcing, expansion and control joint recommendations.

### 1.05 PROJECT CONDITIONS

- A. Do not apply uniform floor or roof loading for at least 12 hours after building masonry walls or columns. Do not apply concentrated loads for at least 3 days after building masonry walls or columns.
- B. Environmental Requirements:
  - 1. Hot weather requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
  - 2. Cold weather requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
- C. Wall Protection:
  - 1. During erection, cover tops of partially completed walls with strong waterproof membrane at end of each day or work stoppage.
  - 2. Extend cover minimum of 24 inches down both sides; hold securely in place.

### 1.06 DELIVERY AND STORAGE

- A. Deliver products to site, store and protect per manufacture instructions.
- B. Store mortar and other moisture-sensitive materials in protected enclosures; avoid exposure to moisture.

## WARRANTY

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURERS

- A. Basis of Design: Utility Block Company, Inc. Color – Whitesands, 910.
  - 1. 8" Plain Face CMU, dimensions of 8x8x16 inches.
  - 2. 8" Split Face CMU, score at 8", dimensions of 8x8x16 inches.
  - 3. 6" Plain Face CMU, dimensions of 8x6x16 inches.
- B. Substitutions: Under provisions of Division 01. Basalite is preapproved equal.

#### 2.02 MASONRY UNITS

- A. Concrete Masonry Units: Obtain masonry units from one manufacturer of uniform texture and color for each kind required for each continuous area and visually related areas. Provide units complying with standards referenced and requirements indicated.
  - 1. ASTM C90, hollow or solid as specified, load bearing type, normal weight. Type I, Grade N, 1350 PSI @ 28 days.
  - 2. ASTM C129, hollow or solid as specified, non-load bearing type, normal weight.
  - 3. Size: Manufactured to dimensions 3/8 inch less than nominal dimensions. See drawings/keynotes for sizes.
  - 4. Special Shapes: Provide where required for lintels, sills, corners, pilasters, jambs, caps, sash, control joints, bullnose, headers, bonding and other special conditions.
  - 5. Exposed Faces: Provide manufacturer's standard colors and texture as indicated in the drawings. Submit actual CMU color samples from a complete line of colors for Architect's selection.
  - 6. Integral Water Repellent: Provide units made with integral water repellent for all exposed units and all exterior wall units regardless of exposure. Units to be manufactured with liquid polymeric, integral water-repellent admixture that does not reduce flexural bond strength. Units made with integral water repellent, when tested according to ASTM E 514 as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive, with test period extended to 24 hours, shall show no visible water or leaks on the back of test specimen.

#### 2.03 MORTAR AND GROUT MATERIALS

- A. Mortar and Grout
  - 1. Mortar Mix: ASTM C 270, Type S, with a compressive strength of 1,800 psi @ 28 days, for reinforced masonry, masonry below grade and masonry in contact with earth and ASTM C 270, Type N, for above-grade loadbearing and nonloadbearing walls and parapet walls and for interior loadbearing and nonloadbearing partitions.
  - 2. Mortar and Grout Materials: Portland cement, ASTM C 150, Type I typical, Type III may be used for cold weather construction.
  - 3. Mortar Aggregate: Natural color, ASTM C 144.
  - 4. Grout Aggregate: ASTM C 404.
  - 5. Hydrated Lime: ASTM C 207, Type S.
  - 6. Color: Natural color.
  - 7. Water: Clean and potable.
  - 8. Pigmented Mortar: Use premixed colored masonry cements as selected by Architect.
- B. Water Repellent for Masonry Mortar: Provide at all exposed masonry units and exterior wall masonry units. Polymeric water-repellent admixture added during masonry mortar mixing. Liquid water-repellent mortar admixture intended for use with concrete masonry units, containing integral water repellent by same manufacturer.
- A. Mortar Mixes:
  - 1. Do not lower the freezing point of mortar by use of admixtures or anti-freeze agents. Do not use calcium chloride in mortar or grout.
  - 2. Mortar for Unit Masonry: Comply with ASTM C 270, Proportion Specification, for types of mortar required, unless otherwise indicated. Limit cementitious materials in mortar to Portland cement-lime.
  - 3. Grout for Unit Masonry: Comply with ASTM C476 fine or coarse grout per structural engineering specifications. Minimum compressive strength of 2,500 psi @ 28 days. Slump 7-8 inches.

#### 2.04 MASONRY ACCESSORIES

- A. Refer to structural engineering drawings and specifications for relevant accessories specification and installation information.
  - 1. Horizontal Joint Reinforcement: ASTM A82 and ASTM A951 hot dip galvanized steel wire. Provide welded wire units prefabricated in straight lengths of not less than 10', with matching corner ("L") and intersecting ("T") units. Install with deformed continuous side rods and plain cross rods, into units with widths of approximately 2" less than nominal width of walls and partitions as required to position side rods for full embedment in mortar coverage of not less than 5/8" on joint faces exposed to exterior, and not less than 1/2" elsewhere. Provide truss type or ladder type with cross rods spaced not more than 16" oc. vertically unless noted otherwise.
  - 2. Reinforce masonry openings greater than 1'-0" wide, with horizontal joint reinforcing placed in 2 horizontal joints approximately 8" apart, both immediately above lintels and below sills. Extend reinforcing a minimum of 2'-0" beyond jambs of the opening, bridging control joints where provided.
  - 3. Anchors, Ties, Fasteners:
    - a. Strap Anchors: Bent steel shape, hot dip galvanized, ASTM A153/A153M, Grade B2 finish.
    - b. Veneer Ties: Corrugated formed sheet metal, hot dip galvanized, ASTM A153/A153M, B2 finish.
    - c. Veneer Ties: Formed steel wire, standard 14 gage, hot dip galvanized, ASTM A153/A153M, B2 finish, minimum 2 inch embedment into masonry.
    - d. Dovetail Anchors: Bent steel strap, hot dip galvanized, ASTM A153/A153M, B2 finish.
    - e. Fasteners: Hot-dip galvanized steel, minimum 3/4 inch penetration into substrate.
- B. Vertical Reinforcing: ASTM A615/A615M, deformed billet steel, Grade 60. Provide hot-dip galvanized reinforcing bar positioners designed for number of bars indicated, unless noted otherwise.
- C. Non-Metallic Expansion Joint Strips: Premolded filler strips complying with ASTM D 1056,

Grade 2A1; compressible up to 35 percent; of width and thickness indicated; formulated from neoprene PVC.

- D. Weeps: Insect resistant weep and vent barrier, color to be selected.
  - 1. Hohmann & Barnard, Inc.; #343W - Wilko Weep Hole.
  - 2. Blok-Lok Limited; Cell-Vent.
  - 3. Mortar Net USA, Ltd.; Mortar Net Weep Vents.
  - 4. Polyguard TERM Weep and Vent Barrier
- E. Bond Breaker Strips: 15-lb. Asphalt roofing felt complying with ASTM D 226, or 15-lb., coal-tar roofing felt complying with ASTM C 227.
- F. Preformed Control-Joint Gaskets: Made from styrene-butadiene-rubber compound, complying with ASTM D 2000, Designation M2AA-805 or PVC, complying with ASTM D 2287, Type PVC-65406 and designed to fit standard sash block and to maintain lateral stability in masonry wall; size and configuration as indicated
- G. Flashing: Non-Asphalt composite membrane, 40 mil, self-adhesive, reinforced composite flashing membrane. Provide pre-finished galvanized metal drip edge. Provide preformed corners, end dams, other special shapes, termination bars at surface mounted applications, mastic and seaming materials produced and recommended by flashing manufacturer.
  - 1. Hohmann & Barnard, Inc.; Textroflash.
  - 2. DuPont; Thru-Wall Flashing.
  - 3. Substitutions: Under provisions of Division 01.
- H. Mortar Dropping Control/Cavity Filter: Free-draining mesh, made from polymer strands that will not degrade within the wall cavity.
  - 1. MortarNet USA
- I. Cleaner: Type recommended by masonry manufacturer.

#### 2.05 MASONRY SEALER

- A. Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 by PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255;
- B. Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for Weather Seal Blok-Guard® & Graffiti Control 15. Refer to the Product Data Sheet for additional information about application of Blok-Guard® & Graffiti Control 15. Do not dilute or alter.
- C. Spray or roller apply according to manufacturer's instructions.
- D. Lightweight block and extremely porous masonry will need two coats. Protect treated surfaces from rain for 4-6 hours.
- E. Provide owner with cleaning instructions and one container of appropriate cleaner as per manufacturer's recommendation.
- F. Install at interior and exterior masonry wall surfaces.

### **PART 3 - EXECUTION**

#### 3.01 INSTALLATION

- A. Installation Requirements: Refer to structural engineering drawings and specifications for installation information.
  - 1. Thickness: Build masonry construction to the full thickness shown, Build single-wythe walls to the actual thickness of the masonry units, using units of nominal thickness shown or specified.
  - 2. All head and bed joints shall be a nominal 3/8" thick, concave struck, unless noted otherwise.
  - 3. Build chases and recesses as shown and as required for the work of other trades. Provide not less than 8" of masonry between chase or recess and jamb of openings, and between adjacent chases and recesses.
  - 4. Cut masonry units with motor-driven saw designed to cut masonry with clean sharp,



unchipped edges. Cut units as required to provide pattern shown and to fit adjoining work neatly, Use full units without cutting wherever possible. Use dry cutting saws to cut concrete masonry units.

5. Do not wet concrete masonry units.
6. Pattern Bond: Lay exposed masonry in the bond pattern shown or, if not shown, lay in running bond vertical joint in each course centered on units in courses above and below. Bond and interlock each course of each wythe at corners unless otherwise shown.
7. Layout walls in advance for accurate spacing of surface bond patterns with uniform joint widths and to properly locate openings, movement-type joints, returns and offsets. Avoid the use of less-than-half size units at corners, jambs and wherever possible at other locations. Maintain masonry courses to uniform dimensions. Form horizontal and vertical joints of uniform thickness.
8. Lay-up walls plumb and with courses level, accurately spaced and coordinated with other work.
9. All hollow masonry to be reinforced shall be marked with keel at the bottom of the wall at the cells where dowels occur. Rebar is to be placed and grouted.
10. Cells containing rebar shall be grouted solid from the bottom to the top of the wall. Cleanouts shall be provided at the bottom of walls at all cells to be grouted where the grout pour exceeds 4' in height.

### 3.02 LINTELS

- A. Install loose lintels of steel and other materials where shown or required.
- B. Provide masonry lintels where shown and wherever openings of more than 1'-0" are shown without structural steel or other supporting lintels. Provide precast or formed-in-place masonry lintels. Thoroughly cure precast lintels before handling and installation. Temporarily support formed-in-place lintels.
  1. For hollow concrete masonry unit walls, use specially formed "U" shaped lintel units with reinforcing bars placed as shown and filled with grout of consistency required to completely fill space between bars and masonry unit.
  2. Provide minimum bearing of 8" at each jamb, unless otherwise indicated.

### 3.03 CONTROL AND EXPANSION JOINTS

- A. Provide vertical expansion, control and isolation joints in masonry where shown or as required. Build-in related masonry accessory items as the masonry work progresses.

### 3.04 FLASHING OF MASONRY WORK

- A. Provide concealed flashings in masonry work at, or above, all shelf angles, lintels, ledges and other obstructions to the downward flow of water in the wall so as to divert such water to the exterior. Prepare masonry surfaces smooth and free from projections which could puncture flashing. Place through-wall flashing on bed of mortar and cover with mortar. Seal penetrations in flashing with mastic before covering with mortar.
  1. Extend flashings the full length of lintels and shelf angles and minimum of 4" into masonry each end. Extend flashing from a line 1/2" in from exterior face of outer wythe of masonry, through the outer wythe, turned up a minimum 4", and securely fasten to the wall sheathing, bedding the upper flange in full bed of adhesive. At heads, sills, jambs and terminations, turn up ends not less than 2" to form a pan.
  2. Provide weepholes in the head joints of the same course of masonry bedded in the flashing mortar.

### 3.05 REPAIR, POINTING AND CLEANING

- A. Remove and replace masonry units which are loose, chipped, broken, stained or otherwise damaged, or if units do not match adjoining units as intended. Provide new units to match adjoining units and install in fresh mortar or grout, pointed to eliminate evidence of replacement.
- B. Pointing: During the tooling of joints, enlarge any voids or holes, except weepholes, and completely fill with mortar. Point-up all joints at corners, openings and adjacent work to provide a

neat, uniform appearance, properly prepared for application of caulking or sealant compounds.

- C. Clean exposed CMU masonry by dry brushing at the end of each day's work and after final pointing to remove mortar spots and droppings. Comply with recommendations in NCMA TEK Bulletin No. 28.
- D. Caulking: Caulk fully any projections, accessories, grills, covers, trim, door and window jambs/heads with compatible sealant approval by the Architect for properties and color selection.

END OF SECTION

## **SECTION 04711 - MANUFACTURED STONE VENEERS**

### **PART 1 – GENERAL**

#### 1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General and Special Conditions and Technical Specification sections, apply to Work of this Section.

#### 1.02 SUMMARY

- A. Section includes:
  1. Manufactured Stone Veneers.
  2. Mortar.
  3. Metal Nails, Sealed Fasteners for Fastening Lath, Lath and Accessories.

#### 1.03 REFERENCES

- A. ASTM International (ASTM):
  1. C1063 - Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster.
  2. C847 - Standard Specification for Metal Lath.
  3. C 270: Specification for Mortar for Unit Masonry.
- B. National Association of Architectural Metal Manufacturers (NAAMM) ML/SFA 920 - Guide Specifications for Metal Lathing and Furring.

#### 1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, samples, color charts, and installation instructions for each material and product used.
- B. Mock Up: Provide 4'x8' mock up indicating stone color and texture range, mortar joint size, color, and profile, bond pattern and trim units. Include sample window in mockup indicating joint sealants and how trim will abut stone. Locate where directed. Approved mockup may not remain as part of the Work.

#### 1.05 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Contractor to have a minimum of 5 years of experience in installation of manufactured stone veneer as specified.

#### 1.06 PROJECT CONDITIONS

- A. Environmental Requirements:
  1. Hot weather requirements: If ambient temperature is over 95 degrees F or relative humidity is less than 50 percent, protect from direct sun and wind exposure for minimum 48 hours after installation.
  2. Cold weather requirements: Do not install stone when ambient temperature is below 40 degrees F or is expected to fall below that level within 48 hours after installation.
  3. Protect materials from rain, moisture, and freezing temperatures prior to, during, and for 48 hours after completion of work.
  4. Allow no construction activity on opposite side of wall during installation and for 48 hours after completion of work.
  5. Do not use frozen materials or build upon frozen work.

#### 1.07 DELIVERY AND STORAGE

- A. Deliver products to site, store and protect per manufacture instructions.
- B. Store mortar and other moisture-sensitive materials in protected enclosures; avoid exposure to moisture.

#### 1.08 WARRANTY

- A. Provide manufacturer's standard warranty.

## **PART 2 - PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Basis of Design Product: Coronado Products Inc.
  - 1. Pattern - Eastern Mountain Ledge. Color – Madison County.
- B. Substitutions: Under provisions of Division 01. Basalite is preapproved equal.

### **2.02 MATERIALS**

- A. Manufactured Stone Composition: Portland cement, colored mineral oxides, and lightweight aggregates.
- B. Trim Products: Profiles as required, color and surface texture to match manufactured stone.
- C. Mortar:
  - 1. Portland Cement, ASTM C 150, Type I or masonry cement (Type N), ASTM C 91.
  - 2. Masonry sand.
  - 3. Lime: ASTM C 207
  - 4. Iron oxide pigments.
  - 5. Water Repellent for Masonry Mortar: Provide at all exposed masonry units and exterior wall masonry units. Polymeric water-repellent admixture added during masonry mortar mixing. Liquid water-repellent mortar admixture intended for use with concrete masonry units, containing integral water repellent by same manufacturer.
- D. Masonry Sealer: Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 by PROSOCO, Inc., 3741 Greenway Circle, Lawrence, KS 66046. Phone: (800) 255-4255;
  - 1. Before applying, read "Preparation" and "Safety Information" sections in the Manufacturer's Product Data Sheet for Weather Seal Blok-Guard® & Graffiti Control 15. Refer to the Product Data Sheet for additional information about application of Blok-Guard® & Graffiti Control 15. Do not dilute or alter.
  - 2. Spray or roller apply according to manufacturer's instructions.
  - 3. Lightweight block and extremely porous masonry will need two coats. Protect treated surfaces from rain for 4-6 hours.
  - 4. Provide owner with cleaning instructions and one container of appropriate cleaner as per manufacturer's recommendation.
  - 5. Install at interior and exterior manufactured stone veneer wall surfaces.
- E. Weather Resistant Barrier:
  - 1. Tyvek Stucco Wrap
- F. Metal Lath:
  - 1. ASTM C847, self-furring diamond mesh, galvanized, backed with treated Kraft paper.
- G. Anchors: Type and size suited to application, hot dip galvanized steel.

## **PART 3 - EXECUTION**

### **3.01 INSTALLATION**

- A. Installation of Metal Lath:
  - 1. Perform Work in accordance with ASTM C1063.
  - 2. Install one layer of weather-resistant barrier with lap joints 4 inch shingle fashion.
  - 3. Apply with long dimension perpendicular to supports, with end joints staggered and occurring over supports. Secure end laps with tie wire where they occur between supports.
  - 4. Lap ends minimum 1 inch and sides minimum 1-1/2 inches.
  - 5. Fasten to framing at maximum 6 inches on center vertically and 16" on center horizontally. Attach with galvanized nails or staples which penetrate a minimum of 1".
  - 6. Stop lath at each side of expansion and control joints and secure.
  - 7. Wrap weather resistant barrier and metal lath a minimum of 16" around all outside and inside corners.

B. Installation of Manufactured Stone:

1. Install stone in accordance with manufacturer's instructions.
2. Blend stone from multiple boxes before installing.
3. Place stone according to selected pattern.
4. Use all appropriate corners, caps, trim, outlet covers etc. Do not leave cut edges exposed.

C. Flashing of Masonry Work:

1. Provide concealed flashings in masonry work at, or above, all shelf angles, lintels, ledges and other obstructions to the downward flow of water in the wall so as to divert such water to the exterior. Prepare masonry surfaces smooth and free from projections which could puncture flashing. Place through-wall flashing on bed of mortar and cover with mortar. Seal penetrations in flashing with mastic before covering with mortar.
2. Extend flashings the full length of lintels and shelf angles and minimum of 4" into masonry each end. Extend flashing from a line ½" in from exterior face of outer wythe of masonry, through the outer wythe, turned up a minimum 4", and securely fasten to the wall sheathing, bedding the upper flange in full bed of adhesive. At heads, sills, jambs and terminations, turn up ends not less than 2" to form a pan.
3. Provide weepholes in the head joints of the same course of masonry bedded in the flashing mortar.

3.02 REPAIR, POINTING AND CLEANING

A. Clean stone with detergent and water applied with fiber brush.

1. If initial cleaning does not produce acceptable results, apply cleaner in accordance with manufacturer's instructions.
2. Protect adjacent surfaces.
3. Thoroughly rinse surfaces with clean water after completion of cleaning; remove all traces of cleaning solution.

END OF SECTION