mcnew Architecture
A Professional
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Corporation

EMAIL or FAX ACKNOWLEDGMENT

ADDENDUM NO. 1

Warehouse and Applied Trade Shops
Louisiana Tech University
1101 Hull Ave.
Ruston, LA 71270
Project No. 50012-575-25
Site Code: S08103
mA Project No. 2411

Please sign and return this form (via e-mail acknowledging that you have received Addendum No. 1. E-mail: brianmcnew@att.net.

TO: Company/Plan Holder:

Name (Printed): _____

Signature: _____

Company Name: _____

Date: _____

mcnew Architecture, APAC
3556 Youree Drive
Shreveport, Louisiana 71105
318.219.7388 voice
318.219.7466 fax
brianmcnew@att.net
suzettemcnew@att.net

ADDENDUM NUMBER 1
(Attach to Project Manual and Specifications)

Project: **Theatre Rigging System Replacement**
A.A. Fredricks Fine Arts Center
Northwestern State University
Natchitoches, LA
State Project No. 19-671-22-01, F.19002542
Site Code: 7-35-003 State ID: S08141
mA Project No. 2402

Date: March 28, 2025

To: All Plan Holders

Architect: mcnew Architecture
3556 Youree Drive
Shreveport, Louisiana 71105
Telephone: 318.219.7388
Fax: 318.219.7466

GENERAL:

This addendum forms part of the contract documents and modifies the plans and specifications dated February 28, 2025, with amendments, deletions and additions noted below:

The Contractor is advised to notify all affected Subcontractors of changes involved in the following Addendum inasmuch as this office does not have a complete record of all subcontractors figuring this Work.

The following companies and agencies were represented at the Mandatory Pre-Bid Conference held on March 20, 2025 at 10:00 am at Warehouse and Applied Trade Shops Project Site.

Name	Company	Phone	Email
Tyler Idom	Mann's Construction	318-235-5030	tyler@mannconst.com
Tyler Ragan	Ragan Builders	318-372-5725	tyler@raganbuilders.net
Daniel Chambers	Precision Builders	318-423-9374	chambers1170@yahoo.com
Ed Streeter	Streeter Construction	318-278-3016	ed@streetercc.net
Matthew Huff	Womack & Sons	318-737-0610	matthew@womackandsons.com
Jay Chilton	Chilton Construction	318-450-1277	jgchilton@yahoo.com
JC	Cuzan	504-723-9791	cuzanservices@gmail.com
Michael Barron	Barron Services	225-963-3745	barronservicesd10@outlook.com
Matt Bonner	318 Construction	318-798-6915	mbonner@318construction.com
Danny Jones	Triad	318-225-2341	danny@triadruston.com
Keith McDonald	Blocker Builders	318-773-9379	keith@blockerbuilders.com

James Davis	James L Davis Construction	318-243-3330	james@jamesdavisconstruction.com
Chris Rushing	JC Construction	318-366-0419	Chris.jccbuilders@gmail.com
Bryce Rodgers	Tyler Hogan Electric	318-372-4345	bryce@tylerhoganelectric.com
Brian McNew	mcnew Architecture	318-219-7388	brianmcnew@att.net
Sam Wallace	LA Tech		
Clint Williams	LA Tech		
Joe Peel	LA Tech		

General Comments/Notes:

1. **Complete the Bid Envelope, Bid Form, required attachments, and signature authorization in accordance with the Instructions to Bidders. Remember to include the required proof of signature authority with your bid submission.**
2. **The Designer's Opinion of Probable Cost is $425,000.00**

Pre-Bid Meeting Minutes:

1. McNew opened the mandatory pre-bid meeting.
2. McNew introduced the LA Tech Staff.
3. The Bid Advertisement was read, formal project name and numbers were announced, as was the bid opening date and time, contract time, liquidated damages.
4. McNew noted that the Plans and Project Manual can be obtained for no charge at www.aeplans.com. **Bidders are encouraged to list as a Prime Bidder in order to identify for the Bid Tab on bid day. Plan Holders were directed to turn Addenda Notifications ON because this is the vehicle used for distribution of the Addenda.**
5. McNew discussed the delivery of Bids as stated in the Instructions to Bidders for information regarding USPS and Overnight Delivery addresses and procedures. McNew recommend hand delivering bids on bid day if possible. Wallace and Williams reiterated that hand delivery of bids is the best option.
6. **Last day and time to receive Prior Approval and Substitution Requests is Wednesday, March 26, 2025, at 2:00 p.m.**
7. **Clarification Questions are due to the architect no later than Wednesday, March 26, 2025, at 2:00 p.m.**
8. **Day and time for last Addendum is no later than Friday, March 28, 2025 by 12:00 p.m. Again, make sure you have the "addenda notifications" turned on to receive email alerts for issued addenda.**
9. When submitting your bid, follow the Instructions to Bidders in Article 5.3. There is information in this Article about Bids sent by US Mail and Express Delivery. It is recommended that you submit your bid in-person but if sent via mail or express service, it is recommended that a signature receipt is obtained.
10. When submitting for prior approval, refer to the Instructions to Bidders. If the required information and/or comparisons are not submitted, the request will be returned without review. Submitting a manufacturer's un-edited specification section does not constitute Product Data.
11. The Project Summary and Alternates were read aloud. This is an insurance claim project and payments will be reviewed and approved by Sedgwick/ORM. The Schedule of Values line items in the Project Manual shall be used during construction

as this has been reviewed and approved by their respective agencies. The Alternate will be included in the Project. The reason for the separation is to accommodate the Insurance Claim requirements for Building Code upgrades.

12. Starting and Completion Dates:
    a. After opening on April 2, 2025, it is anticipated that the contract will be awarded as quickly as possible. Bids will be reviewed by LA Tech and ORM/Sedgwick. The contract will be with LA Tech.
    b. It is strongly encouraged that the contractor complete submittals and shop drawings as quickly as possible after award of contract.
    c. Once submittals are approved, it is strongly encouraged that the contractor get the materials to the site and stored securely. Payment for materials will be for only those stored on site.
13. The project requires a full-time superintendent from the Contractor when subs, suppliers, installers are on site and working.
14. The inside meeting concluded, roll call was made and attendees initialed the sign-in sheet, and the attendees were given a tour of the work area.

Responses to Questions during the Pre-Bid Meeting:

1. Work hours are preferred to be 7:00 a.m. to 4:00 p.m. Monday through Friday. If weekend work is required, the contractor can discuss with Joe Peel and accommodations could be made.
2. With regards to the Bid Form, There is only Alternate No. 1. There is no Alternate No. 2 or No. 3. The contractor can put "N/A" in those blanks.
3. LA Tech will clean out most of the debris and equipment in the two spaces prior to the contractor arrival.

Drawings:

1. Sheet A7.2 – Wall Types/Sections:
    a. Refer to the attached Sketch #1 for revised wall section for partition type P2.

Specifications:

1. Add Specification Section #042000 – Unit Masonry System. See attached.

Prior Approvals:

The following products or manufacturers have been reviewed and appear to comply with the bid documents. Compliance with the bid documents is the responsibility of the contractor and full review of shop drawings will be done during construction. If the submitted material/product listed below is found to not comply with the documents then it is the responsibility of the contractor to provide the correct material/product to fully comply with the documents.

Lighting: HE Williams, Columbie, Compass, EXO Lighting, REVO, EIKO, and Envoy.

END of ADDENDUM No. 1

SECTION 04 20 00 - UNIT MASONRY SYSTEM

1. PART 1 GENERAL

1.1. SECTION INCLUDES
- A. Concrete masonry and Brick units.
- B. Reinforcement, anchorage, and accessories.

1.2. REFERENCES
- A. ASTM A82 - Cold-Drawn Steel Wire for Concrete Reinforcement.
- B. ASTM A123 - Zinc (Hot Dipped Galvanized) Coatings on Iron and Steel Products.
- C. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- D. ASTM A525 - Steel Sheet, Zinc Coated, (Galvanized) by the Hot-Dip Process.
- E. ASTM A580 - Stainless and Heat-Resisting Steel Wire.
- F. ASTM A615 - Deformed and Plain Billet Steel Bars for Concrete Reinforcement.
- G. ASTM A641 - Zinc-Coated (Galvanized) Carbon Steel Wire.
- H. ASTM B370 - Copper Sheet and Strip for Building Construction.
- I. ASTM C34 - Structural Clay Load-Bearing Wall Tile.
- J. ASTM C55 - Concrete Building Brick.
- K. ASTM C56 - Structural Clay Non-Load Bearing Tile.
- L. ASTM C62 - Building Brick (Solid Masonry Units Made From Clay or Shale).
- M. ASTM C73 - Calcium Silicate Face Brick (Sand-Lime Brick).
- N. ASTM C90 - Load-Bearing Concrete Masonry Units.
- O. ASTM C126 - Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units.
- P. ASTM C129 - Non-Load Bearing Concrete Masonry Units.
- Q. ASTM C212 - Structural Clay Facing Tile.
- R. ASTM C216 - Facing Brick (Solid Masonry Units Made From Clay or Shale).
- S. ASTM C315 - Clay Flue Linings.
- T. ASTM C530 - Structural Clay Non-Load Bearing Screen Tile.
- U. ASTM C652 - Hollow Brick (Hollow Masonry Units Made From Clay or Shale).
- V. ASTM C744 - Pre-faced Concrete and Calcium Silicate Masonry Units.
- W. IMIAC - International Masonry Industry All-Weather Council: Recommended Practices and Guide Specification for Cold Weather Masonry Construction.
- X. IMIAC - International Masonry Industry All-Weather Council: Recommended Practices and Guide Specification for Hot Weather Masonry Construction.
- Y. TMS 402-16 - Building Code Requirements for Masonry Structures.
- Z. TMS 602-16 - Specifications For Masonry Structures.
- AA. UL - Fire Resistance Directory.

1.3. SUBMITTALS
- A. Submit under provisions of Section 01 33 00.
  1. Allow for masonry supplier product delivery requirements.
- B. Product Data: Provide data for each decorative, pre-faced masonry unit required and required reinforcement, anchorage, flashings and accessories.
- C. Samples: Submit four samples of each size, texture and color of decorative block, face brick, and pre-faced units selected to illustrate color, texture and extremes of color range.
- D. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

1.4. QUALITY ASSURANCE
A. Perform Work in accordance with TMS 402 and TMS 602.

1.5. QUALIFICATIONS
A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.6. REGULATORY REQUIREMENTS
A. N/A

1.7. FIELD SAMPLE
A. Provide field samples of concrete masonry units under provisions of Section 01 40 00. Provide as many field sample panels as required for acceptance by Owner and Architect.
B. Construct a masonry wall into a panel sized [8] feet wide by [6] feet high, which includes mortar and accessories, wall openings, and flashings.
C. Field Sample will be used for review of mortar color and joint sealant field samples.
D. Locate where directed.
E. Use field sample to test proposed cleaning procedures.
F. Field sample may not remain as part of the Work. Do not destroy or remove until directed by Architect.

1.8. PRE-INSTALLATION CONFERENCE
A. Convene one week prior to commencing work of this section, including field samples under provisions of Section 01 03 90.

1.9. DELIVERY, STORAGE, AND HANDLING
A. Deliver, store, protect and handle products to site under provisions of Section 01 60 00.
B. Provide protection which will limit moisture absorption of concrete masonry units to the maximum percentage specified for Type I units at a relative humidity that is normal for the project site.

1.10. ENVIRONMENTAL REQUIREMENTS
A. Cold Weather Requirements: Maintain materials and surrounding air temperature to minimum 40 degrees F prior to, during, and 48 hours after completion of masonry work.
B. Hot Weather Requirements: Maintain materials and surrounding air temperature to maximum 90 degrees F prior to, during, and 48 hours after completion of masonry work.

1.11. PROJECT CONDITIONS
A. Construction Protection: Cover tops of incomplete masonry elements with waterproof sheet material at the end of each workday and when masonry work is not underway.
1. Secure weather protection in place with weights or by use of temporary fasteners.
2. Immediately remove mortar, soil and other such materials from exposed masonry faces to prevent staining.
3. Prevent splashing and soiling of masonry near ground level by spreading sheet material top over soil or masonry faces.
4. Protect horizontal masonry elements from mortar droppings.

B. Loading Protection: Do not apply uniform floor or roof loads for at least 12 hours or concentrated loads for at least 3 days after completion of masonry elements.

1.12. COORDINATION
A. Coordinate work under provisions of Section 01 00 39.
B. Coordinate the masonry work with installation of window anchors, decorative steel fabrications and electrical control boxes and light fixtures.

1.13. EXTRA MATERIALS – N/A

2. PART 2 PRODUCTS

2.1. MANUFACTURERS - CONCRETE MASONRY UNITS
A. Featherlite; Product: Burnished Masonry Units.
B. TXI; Product: Burnished Masonry Units.
C. Featherlite; Product: Limestone Smooth Masonry Units.
D. TXI; Product: Limestone Smooth Masonry Units.
E. Arriscraft International, Inc. Lombard, SL. (Texas Contact - Blackson Brick Co. Dallas, TX).
F. Substitutions: Under provisions of Section 01600.

2.2. CONCRETE MASONRY UNITS
A. Hollow Load Bearing Block Units (CMU): ASTM C90, Type I - Moisture Controlled; normal weight.

2.3. BRICK UNITS
A. Face brick shall match existing & be approved by owner and architect.

2.4. REINFORCEMENT AND ANCHORAGE
A. Joint Reinforcement: Welded-wire units prefabricated into straight lengths on not less than 10 feet, with deformed continuous side rods, plain cross rods, and as follows:
1. Width: Approximately two inches less than nominal wall width, providing not less than 5/8 inch mortar coverage on exterior exposures and 1/2 inch elsewhere.
2. Wire Sizes:
a. Side rod diameter: 3/16 inch.
b. Cross rod diameter: 9 gauge.
3. Configuration:
a. Single Wythe Joint Reinforcement: Ladder type; steel wire, hot dip galvanized to ASTM A153 Class B-2 after fabrication, cross ties at not more than 16 inches on center.

2.5. MORTAR AND GROUT
A. Mortar and Grout: As specified in Section 04 10 00.

2.6. FLASHINGS
A. Thin Wall Flashing: Self-adhesive, 40 mil thick, laminated polyethylene/rubberized asphalt flashing.
1. Product: Textroflash Flashing as manufactured by Hohmann & Barnard, Inc.
a. Size: Width as required.

2.7. ACCESSORIES

A. Preformed Control Joints: ASTM D2000, Styrene-butadiene rubber compound; Designation 2AA-805. Provide with corner and tee accessories, cement fused joints.
B. Expansion Joint Strips: Neoprene filler strips complying with ASTM D1056, Grade RE41, capable of 35 percent compression and sized for specific conditions indicated.
C. Bond Breaker Strips: ASTM D226, Type I; No. 15 asphalt felt.
D. Joint Filler: Closed cell polyurethane; oversized 50 percent to joint width; self expanding; width 1/4 inch less than masonry thickness by maximum lengths.
E. Building Paper: No. 15 asphalt saturated felt.
F. Wall Cavity Drainage Fill (mortar dropping collection device): High-density polyethylene or nylon open mesh in a dovetail shape. 90% open mesh construction manufactured in a dovetail shape.
    1. Product: Mortar Trap as manufactured by Hohmann & Barnard, Inc.
    2. Size: [2] [1] inch[es] thick.
G. Weeps: [Preformed plastic tubes, hollow.] [Provide open head joints.]
    1. Product: QV-Quadro-Vent as manufactured by Hohmann & Barnard, Inc.
H. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials. As recommended by masonry manufacturer.

3. PART 3 EXECUTION

3.1. EXAMINATION

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

3.2. PREPARATION

A. Direct and coordinate placement of metal anchors supplied to other sections.
B. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint widths and to properly locate openings, expansion and control joints returns and offsets. Do not use units less than half size at corners and jambs.
C. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.
D. Brick: Before laying, wet brick with initial absorption rate of more than 1 gram per square inch per minute, when measured in accordance with ASTM C67, using technique that will saturate brick but leave it dry to the touch.
E. Concrete Masonry Units: Do not wet concrete units prior to laying.

3.3. 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
    3. Mortar Joints: Concave except flush in cavities of double width masonry walls and behind resilient base.

D. Brick Units:
   1. Bond: Running, match existing.
   2. Coursing: Three units and three mortar joints to equal 8inches.
   3. Mortar Joints: Concave.

3.4. PLACING AND BONDING

A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
B. Lay hollow masonry units with face shell bedding on head and bed joints.
C. Buttering corners of joints or excessive furrowing of mortar joints are not permitted.
D. Remove excess mortar as work progresses.
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, un-chipped edges. Prevent broken masonry unit corners or edges. Cut units as required to provide pattern shown and fit adjoining work neatly.
H. Cut mortar joints flush where wall tile is scheduled, [cement parging is required,] [resilient base is scheduled,] [cavity insulation vapor barrier adhesive is applied,] [or] [bitumen damp-proofing is applied].
I. Isolate masonry partitions from vertical structural framing members with a control joint.
J. Isolate top joint of non-load bearing masonry partition walls from horizontal structural framing members and slabs or decks with compressible joint filler.
K. Stopping and Resuming Work: Rack back 1/2 unit length in each course, do not tooth. Clean exposed surfaces of set masonry and remove loose masonry.

3.5. WEEPS

A. Install weeps in veneer at 32 inches o.c. horizontally above through-wall flashing, at bottom of walls and near top of walls for vapor pressure relief.

3.6. CAVITY WALL

A. Do not permit mortar to drop or accumulate into cavity air space or to plug weeps. Maintain clean dimension of air space indicated on drawings.
B. Install mortar dropping collection device as specified at all weep hole locations. Install at base of veneer wall cavities, above thru-wall flashing.
C. Build inner wythe ahead of outer wythe to receive cavity insulation and air/vapor barrier adhesive.

3.7. REINFORCEMENT AND ANCHORAGE - SINGLE WYTHE MASONRY

A. Install horizontal joint reinforcement 16 inches o.c.
B. Install horizontal joint reinforcement 8 inches o.c. in parapets.
C. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.
D. Place joint reinforcement continuous in first and second joint below top of walls.
E. Lap joint reinforcement ends minimum 6 inches.
F. Reinforce [stack bonded unit] joint corners and intersections with anchors 16 inches o.c.

3.8. INSTALLING CONCEALED MASONRY FLASHINGS

A. General: Whether or not specifically indicated, install flashing at all conditions such as lintels and shelf angles, where the downward flow of water within the masonry will be interrupted, so that such water will be diverted to the exterior. Extend flashings full width at such obstructions and at least 4 inches into adjoining masonry, or turn up to form watertight pan at non-masonry construction. Remove or cover protrusions or shape edges on substrates which could puncture flashings. Place flashings on sloped mortar bed; seal lapped ends and penetrations of flashing before covering with mortar.
   1. Extend metal flashings through exterior face of masonry and turn down to form drip.
   2. Extend fabric of laminated flashings to within 1/4 inch of exterior face of masonry.
B. Through-wall Flashings: Bring completely through inner wythe and turn up where concealed by other construction; otherwise stop not more than 1/2 inch from inner face. Drop flashing at least 4 inches before bringing through outer wythe.
C. Veneer Flashings: Turn flashings up not less than 4 inches at backup and minimum 6 inches above wall cavity drainage fill. Lap top of flashing with building paper or otherwise seal to prevent moisture penetration between flashing and backup.
D. Head and Sills: Turn up ends of flashing At least 2 inches At heads and sills to form pan, and seal joints.
E. Sealing: Seal all joints in flashing to assure watertight integrity.
   1. Lap end joint on non-deformed metal flashings at least 4 inches; seal laps with elastic sealant or mastic.
   2. Lap end joints of flexible flashings at least 4 inches; seal in accordance with manufacturers instructions.
F. Fill cavity above concealed flashings with wall cavity drainage fill.
G. Weep Holes: Provide weep holes in head joints of the first course of masonry immediately above concealed flashings. Space at intervals of 24 inches on center.
H. Reglets and Other Accessories: Install to receive flashing where indicated.

3.9. LINTELS

A. Install loose steel lintels over openings.
B. Install reinforced unit masonry lintels over openings where steel or pre-cast concrete lintels are not scheduled.
   1. Openings Up To 42 inches Wide: Place two, No. 5 reinforcing bars 1 inch from bottom web.
   2. Openings Over 42 inches: Reinforce openings as detailed. Do not splice reinforcing bars.
C. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
D. Place and consolidate grout fill without displacing reinforcing.
E. Allow masonry lintels to attain specified strength before removing temporary supports.
F. Maintain minimum 8 inch bearing on each side of opening.

3.10. CUTTING AND FITTING

A. Cut and fit for pipes, conduit and sleeves. Coordinate with other sections of work to provide correct size, shape and location.
B. Obtain approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.11. GROUTED COMPONENTS

A. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
B. Place and consolidate grout fill without displacing reinforcing.
C. At bearing locations, fill masonry cores with grout for a minimum 12 inches either side of opening.

3.12. ENGINEERED MASONRY

A. Lay masonry units with core cells vertically alignedand cavities between wythes clear of mortar and unobstructed.
B. Place mortar in masonry unit bed joints back 1/4 inch from edge of unit grout spaces, bevel back and upward. Permit mortar to cure 7 days before placing grout.
C. Reinforce masonry unit cores and cavities with reinforcement bars and grout as indicated.
D. Retain vertical reinforcement in position at top and bottom of cells and at intervals not exceeding 192 bar diameters. Splice reinforcement in accordance with Section 03200.
E. Wet masonry unit surfaces in contact with grout just prior to grout placement.
F. Grout spaces less than 2 inches in width with fine grout using low lift grouting techniques. Grout spaces 2 inches or greater in width with course grout using high or low lift grouting techniques.
G. When grouting is stopped for more than one hour, terminate grout [1-1/2] inch below top of upper masonry unit to form a positive key for subsequent grout placement.
H. Low Lift Grouting: Place first lift of grout to a height of 16 inches to three CMU courses and rod for grout consolidation. Place subsequent lifts in 8 inch increments and rod for grout consolidation.
I. High Lift Grouting:
    1. Provide cleanout opening no less than 4 inches high at the bottom of each cell to be grouted by cutting one face shell of masonry unit.
    2. In double wythe walls, omit every second masonry unit in one of the wythes for clean out and cell inspection purposes.
    3. In double wythe walls, construct vertical grout barriers or dams between the masonry wythes, with masonry units every 30 feet maximum.
    4. Clean out masonry cells and cavities with high pressure water spray. Permit complete water drainage. Remove debris.
    5. Request inspection of the cells and cavities. Allow 3 days advance notice of inspection.
    6. After cleaning and cell inspection, seal openings with masonry units.
    7. Pump grout into spaces. Maintain water content in grout to intended slump without aggregate segregation.
    8. Limit grout lift to 60 inches and rod for grout consolidation. Wait 30 to 60 minutes before placing next lift.

3.13. CONTROL AND EXPANSION JOINTS

A. Do not continue horizontal joint reinforcement through control and expansion joints
B. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.
C. Size control joint in accordance with Section 07900 for sealant performance.
D. Form expansion joint as detailed.

3.14. BUILT-IN WORK

A. As work progresses, install built-in metal door and glazed frames, metal fabrications,

fabricated metal frames, window frames, wood nailing strips, anchor bolts, plates, and electrical lock boxes and other items to be built-in the work and furnished by other sections.

B. Install built-in items plumb and level.
C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout. Fill adjacent masonry cores with grout minimum [12] inches from framed openings.
D. Do not build in organic materials subject to deterioration.

3.15. TOLERANCES

A. Maximum Variation From Alignment of Pilasters: ¼ inch.
B. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.
C. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft. and 1/2 inch in 20 ft. or more.
D. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
E. Maximum Variation from Level Coursing: 1/8 inch in 3 ft. and 1/4 inch in 10 ft.; 1/2 inch in 30 ft.
F. Maximum Variation of Joint Thickness: [1/8] inch in 3 ft.
G. Maximum Variation from Cross Sectional Thickness of Walls: [1/4].

3.16. FIELD QUALITY CONTROL

A. Field inspection and testing will be performed under provisions of Section 01 40 00.
B. Inspect and test all masonry work.
C. Inspect and test engineered masonry work.
D. Inspect and test parging work.

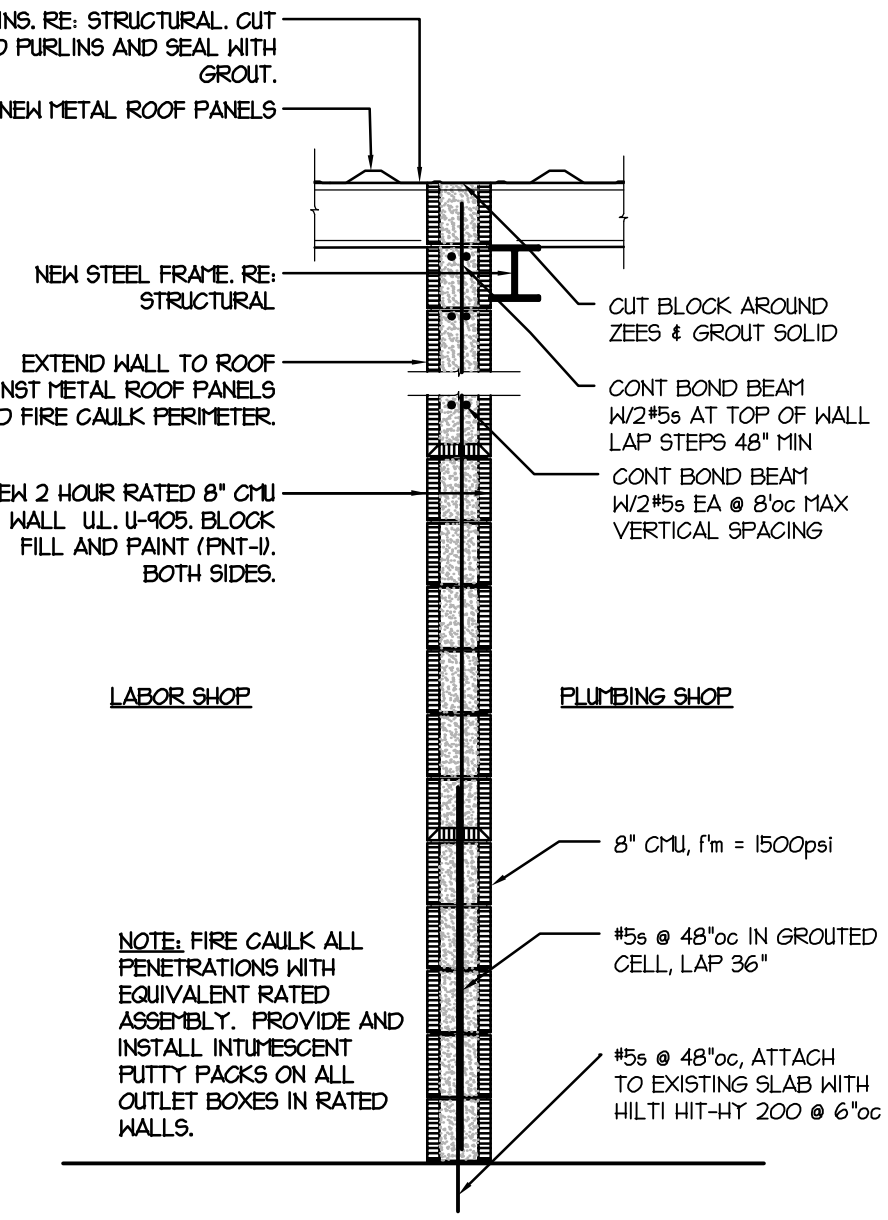
3.17. CLEANING

A. Clean work under provisions of 01 70 00.
B. Remove excess mortar and mortar smears as work progresses. Dry brush at end of each day's work.
C. Replace defective mortar. Match adjacent work.
D. Clean soiled surfaces with cleaning solution recommended by masonry manufacturer.
E. Use non-metallic tools in cleaning operations.
F. The use of sealers of any kind is prohibited. This will void the manufacturers lifetime warranty.

3.18. PROTECTION OF FINISHED WORK

A. Protect finished Work under provisions of Section 01 50 00.
B. Without damaging completed work, provide protective boards at exposed external corners which may be damaged by construction activities.
C. Remove protection when risk of damage is no longer present and without damage to masonry.

END OF SECTION 04 20 00



(Reference P2/A7.2)
P2 New 8" CMU Wall
Scale: 1/2" = 1'-0"