

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**Replace Roofs
Guhleman Forensic Complex
Fulton State Hospital
Fulton, Missouri
PROJECT NO.: M1906-01**

Bid Opening Date is CHANGED: 1:30 PM, January 30, 2020

Bidders are hereby informed that the construction Plans and/or Specifications are modified/clarified as follows:

GENERAL COMMENTS:

1. The Pre-Bid Meeting was held on January 9, 2020 at 10:00 AM, followed by a walk-through of the project site. The Pre-Bid Meeting sign-in sheet is attached.
2. Bidders needing additional site inspection should contact DMH facility staff, Billy Spencer, at 573-592-3482 and at WILLIAM.SPENCER@oa.mo.gov to schedule a time if additional site inspection is required.
3. Please contact Kelly Copeland, Contract Specialist, at 573-522-2283, Kelly.copeland@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
4. The deadline for technical questions is January 23, 2020 at noon. Questions regarding the bidding process and submissions can be answered by Ms. Copeland until the bid opening time. Please contact her with any questions or if you need confirmations.
5. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Plan holders list is available online at: <https://www.adsplanroom.net/jobs/286/plan-holders/m1906-01-guhleman-forensic-complex-fulton-state-hospital>
8. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to get hard copies of plans and specifications. Deposits are required and detailed in the specifications.

SPECIFICATION CHANGES:

1. Section 001116 – Invitation For Bid
 - a. REVISE Paragraph 3.0-A as follows:
 - A. Until: 1:30 PM, January 30, 2020
2. Section 002113 – Instructions To Bidders
 - a. DELETE the following from Paragraph 14.0-B.1 (bottom of page 6 of 8): “an MBE or WBE must be certified by the State of Missouri, Office of Equal Opportunity and”.

To allow MBE, WBE, and MBE/WBE to have ample time to register with the Office of Equal Opportunity, this requirement will not take effect until July 1, 2020.

3. Section 015000 – Construction Facilities And Temporary Controls

- a. ADD Paragraph 3.2-D.4 as follows:
 - 4. Temporary self-contained toilet units are allowed to be located on the roof of the building. Coordinate exact quantity, locations, and installation procedures with facility staff prior to installation.
- b. ADD the following sentence to Paragraph 3.3-A: “Contractor shall coordinate staging of materials and temporary structures with facility staff prior to commencing work on the project site.”

4. Section 075423 – Thermoplastic-Polyolefin (TPO) Roofing

- a. ADD Paragraph 1.10-A.4 as follows:
 - 4. The 20-year roof warranty and uplift pressure applies to water tightness and adherence of the new roof membrane to the existing mod-bit roofing and do not extend to the adhered layers of the existing roof system and roof deck.
- b. REVISE Paragraph 2.4-B as follows:
 - B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
- c. REVISE Paragraph 2.5-C.1 as follows:
 - 1. Bead Applied, Low Rise-one component or multi component urethane adhesive.
- d. REVISE Paragraph 3.1-A.3 as follows:
 - 3. Verify that concrete substrate is visibly dry and free of moisture.
- e. DELETE Paragraphs 3.1-A.4 through 3.1-A.10.
- f. ADD Paragraph 3.9-A.1.d as follows:
 - d. The test will be performed using a 24-inch square piece of roofing adhered to the existing Mod-Bit roofing and then a plywood piece applied to the new roofing piece. Then perform the pull test. Testing is to be performed and documented by the manufacturer or a third-party.

5. Section 077100 – Roof Specialties

- a. REVISE Paragraph 2.2-A as follows:
 - A. Two-Piece Gravel Stops: Manufactured, two- piece, metal gravel stop with continuous cleat for anchorage in section lengths not exceeding 12 feet , with a horizontal flange and vertical leg fascia terminating in a drip edge, and concealed splice plates of same material, finish, and shape as gravel stop. Provide matching corner units.”
- b. REVISE Paragraph 2.2-A.1 as follows:
 - 1. Basis-of-design, Subject to compliance with requirements, provide Metal-Era, Inc. One Roof Edge or comparable product by one of the following:
- c. ADD Paragraph 2.2-A.1.e as follows:
 - e. DMI
- d. REVISE Paragraph 2.3-A as follows:
 - A. Reglets: Manufactured units, from the following exposed metal:
 - i. Zinc-Coated Steel: Nominal 0.028-inch thickness.
 - ii. Surface-Mounted Type: Provide reglets with slotted holes for fastening to substrate, with neoprene or other suitable weatherproofing washers, and with channel for sealant at top edge.
- e. DELETE Paragraph 2.3-B.

6. Section 221423 – Storm Drainage Piping Specialties
 - a. ADD new section in its entirety. (See attachment)

DRAWINGS CHANGES:

1. Sheets A201, A202, and A203
 - a. ADD Roof General Note 3 as follows:
 3. CONTRACTOR TO REMOVE EXISTING PITCH POCKETS WHERE THEY ARE NO LONGER REQUIRED, SUCH AS WHERE THE ELECTRICAL CONNECTION HAS BEEN CUT OFF AT AN ABANDONED FAN OR WHERE IT IS REQUIRED TO INSTALL NEW ROOFING OR FLASHING.
 - b. REVISE New Work Plan Keynotes 01 and 05 as follows:
 1. REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. CLEAN SURFACES TO ACCEPT NEW TPO FLASHING. REINSTALL CLAMPING RING AND CAST IRON GRATE - REFER TO A601/01
 5. REINSTALL SALVAGED DOWNSPOUTS AFTER REGLET FLASHING INSTALLED
 - c. ADD New Work Plan Keynote 11 as follows:
 11. REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. INSTALL RETROFIT DRAINS INTO EXISTING ROOF DRAIN BODIES. CONTRACTOR TO VERIFY SIZES OF EXISTING PIPING IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT DRAINS TO ROOF SURFACE
 - d. REVISE Demolition Plan Keynotes 02 and 08 as follows:
 2. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE - PREPARE SURFACE FOR NEW FLASHING & TERM BAR. EXISTING FASCIA METAL TO REMAIN.
 8. REMOVE & SALVAGE DOWNSPOUTS AND SPLASH BLOCKS FOR REINSTALLATION.
2. Sheet A201
 - a. Plan 01 DEMO – GUHLEMAN WEST ROOF:
DELETE Keynote 03 at roof hatch and REPLACE with Keynote 09
 - b. Plan 02 NEW WORK – GUHLEMAN WEST ROOF:
ADD Keynote 10 at roof hatch. (This roof hatch needs to be rotated and reinstalled.)
3. Sheet A202
 - a. Plan 01 DEMO – GUHLEMAN EAST ROOF:
DELETE Keynote 09 at roof hatch and REPLACE with Keynote 03
 - b. Plan 02 NEW WORK – GUHLEMAN EAST ROOF:
DELETE Keynote 10 at roof hatch. (This roof hatch remains as is.)
4. Sheet A203
 - a. Plan 02:
REVISE title to NEW WORK LOWER ROOF – CREMER ACTIVITY CENTER
REPLACE all Keynote 01 with Keynote 11
 - b. Plan 04:
REVISE title to NEW WORK UPPER ROOF – CREMER ACTIVITY CENTER
REPLACE all Keynote 01 with Keynote 11
5. Sheet A601
 - a. Detail 01 Typ. Roof Drain:

REVISE note to REPLACE WHITE EPDM with TPO.

(For clarification, the TPO membrane is to be tan, not white.)

- b. Detail 05 Flashing Dtl:
DELETE reference to two-piece flashing.

ATTACHMENTS:

1. Pre-Bid Meeting Sign-in Sheet
2. Section 221423 – Storm Drainage Piping Specialties
3. Revised Drawing Sheets A201, A202, A203, and A601

January 16, 2020

END ADDENDUM NO. 1

Pre-Bid Meeting Attendance Sheet
 Replace Roofs
 Guhleman Forensic Complex
 Fulton, Missouri

Project No. M1906-01
 January 9, 2020

Name & Title	Company Name, Type of Contracting, MBE/WBE/SDVE Status	Phone	E-Mail Address
Bade Roofing Lonnie Blanchard		314-892-1331	lonnie@baderroofing.com
Allen Wehmeier	WEATHERCRAFT INC	573-635-0141	aw@wcraftg.com
Mark Brandt	General Sheet Metal	618-660-8794	mark@general-sheet-metal.net
Betty Foster Dennis Foster	Betty Foster Roofing WBE / SDVE	402-218-7278	betty@bettyfosterroofing.com
Susie Kemp CFO	DMH / RSH	573-220-0203	susie.kemp@dmh.missouri.gov
Tim Corry Project Manager	SIC WBE	314-458-6811	tim@SICMIDWEST.COM

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Replace Roofs
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Fulton, Missouri

Project No. M1906-01
January 9, 2020

Name & Title	Company Name, Type of Contracting, MBE/WBE/SDVE Status	Phone	E-Mail Address
Jarvis Spencer NFC Security Director	FSH	573-592-2658	Jarvis.Spencer@dmh.mo.gov

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 January 9, 2020

Name & Title	Company Name, Type of Contracting, MBE/WBE/SDVE Status	Phone	E-Mail Address
William Spencer PPSII	OA/FMDC	573-542-3482 573-220-2752 cell	William.Spencer@OA.MO.GOV
Jeff Anderson Estimator	Geissler Roofing Co. Roofing Contractor	618-277-7727	janderson@geisslerroofing.com
Ryan Hendrickson Estimator	JR+CO	915-259-8670	Ryan.hendrickson@jrcousa.com
Tim Atwood ESTIMATOR	Jim Taylor Roofing	618-233-2424	tatwood@taylorroofing.com
DUANE ARNOLD	LAKESIDE ROOFING	314-241-5253	DUANE@LAKESIDEROOFING.COM
Jeremiah Phillips	Missouri Builders Service, INC.	573-645-7987	jphillips@missouribuilders.net

Pre-Bid Meeting Attendance Sheet
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 Fulton, Missouri

Project No. M1906-01
 January 9, 2020

Name & Title	Company Name, Type of Contracting, MBE/WBE/SDVE Status	Phone	E-Mail Address
Bill Oswald	SOA	573-443-1407	oswald@soa-inc.com
Nick Borgmeyer	SOA	573-443-1407	borgmeyer@soa-inc.com
NATHAN DIETIKER	WATKINS ROOFING	573-449-2951	NATHAND@WATKINSROOFING.NET
BRET PALLISER	WATKINS	573-449-2951	BRETP@WATKINSROOFING.NET
RUSSEL DETREMPE Dir. of Operations	FSH	573-592-2871	RUSSEL.DETREMPE@dmh.mo.gov
Jody Neal	FSH	573-544-4539	

BRAD SCHAEFER FM. FMDC

BRAD.SCHAEFER@DA.MO.GOV

SECTION 22 1423 - STORM DRAINAGE PIPING SPECIALTIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Roof drains.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

1.4 QUALITY ASSURANCE

- A. Drainage piping specialties shall bear label, stamp, or other markings of specified testing agency.

PART 2 - PRODUCTS

2.1 METAL ROOF DRAINS

- A. Cast-Iron, Large-Sump, General-Purpose Roof Drains:
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Zurn Industries, LLC; 4" (Size to be confirmed by contractor) stainless steel retrodrain or comparable product by one of the following:
 - a. Jay R. Smith Mfg Co; a division of Morris Group International.
 - b. Josam Company;
 - c. Wade; a subsidiary of McWane Inc.
 - d. WATTS;
 - 2. Standard: ASME A112.6.4, for general-purpose retrofit roof drains.
 - 3. Body Material: Cast Iron/Stainless steel.
 - 4. Dimension of Body: Nominal 14-inch diameter.
 - 5. Combination Flashing Ring and Gravel Stop: Required.
 - 6. Flow-Control Weirs: Not required.
 - 7. Outlet: Bottom.
 - 8. Extension Collars: Required.
 - 9. Underdeck Clamp: Required.
 - 10. Expansion Joint: Not required.
 - 11. Sump Receiver Plate: Required.

12. Dome Material: Cast iron.
13. Perforated Gravel Guard: Not required.
14. Vandal-Proof Dome: Not required.
15. Water Dam: Not required.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install roof drains at low points of roof areas according to roof membrane manufacturer's written installation instructions.
 1. Install flashing collar or flange of roof drain to prevent leakage between drain and adjoining roofing. Maintain integrity of waterproof membranes where penetrated.
 2. Install expansion joints, if indicated, in roof drain outlets.
 3. Position roof drains for easy access and maintenance.

3.2 PROTECTION

- A. Protect drains during remainder of construction period to avoid clogging with dirt or debris and to prevent damage from traffic or construction work.
- B. Place plugs in ends of uncompleted piping at end of each day or when work stops.

END OF SECTION 22 1423



11/22/2019
William H. Oswald - Architect
License No. A-5419



Architecture
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Planning
Sustainability

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600 EAST 5TH STREET
FULTON, MISSOURI 65251

PROJECT # M1906-01
ASSET # 6517352026

CONSTRUCTION DOCUMENTS

REVISION	DATE
ADD 01	1/16/2020

ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:
DRAWN BY: KMT & JCM
CHECKED BY: WHO
DESIGNED BY: SOA

SHEET TITLE:

GUHLEMAN
WEST ROOF
PLANS

SHEET NUMBER:

A201

SHEET 3 OF 6
ISSUE DATE: NOVEMBER 22,
2019

NEW WORK GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS, IF DIMENSIONS VARY SIGNIFICANTLY NOTIFY THE ARCHITECT

ROOF GENERAL NOTES

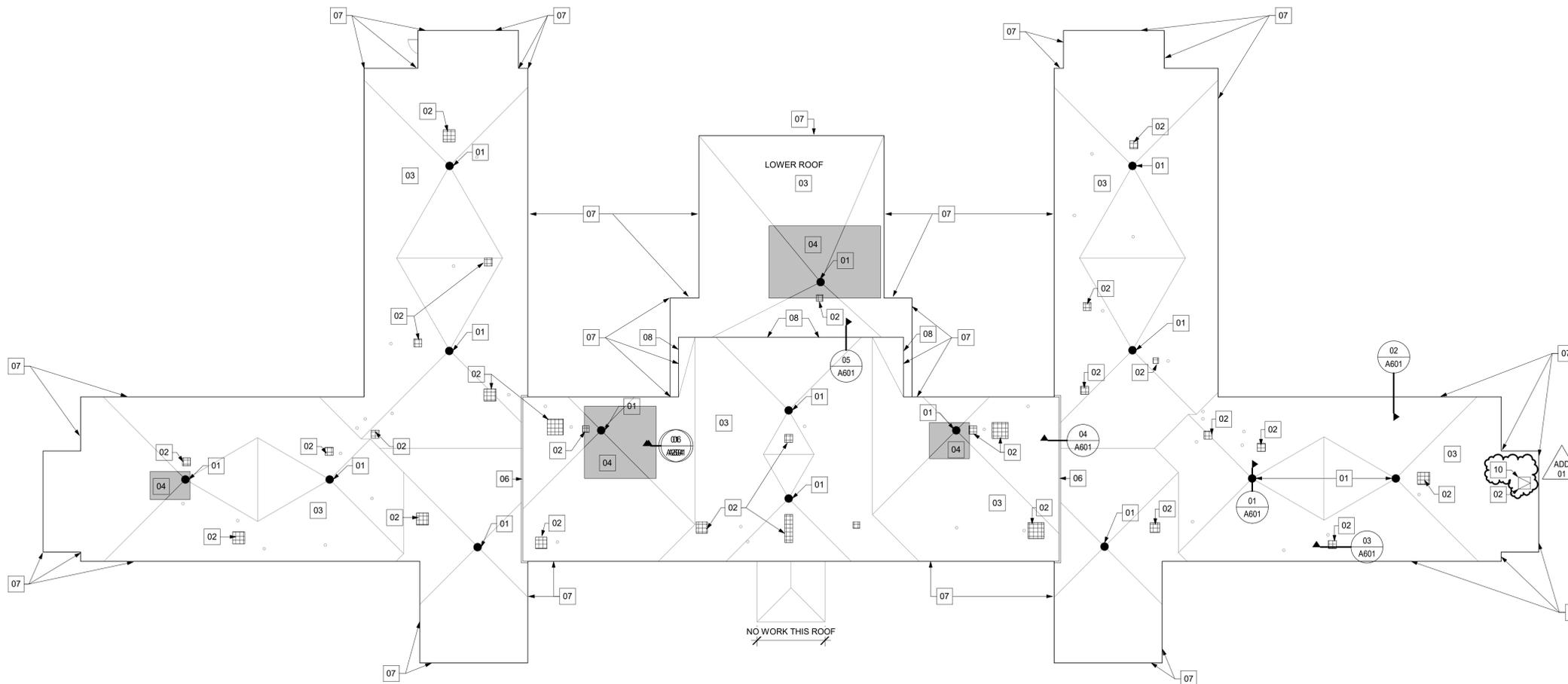
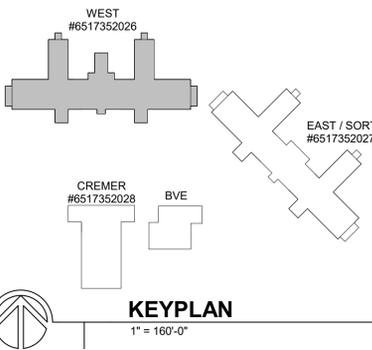
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KEYNOTES - NEW WORK PLAN

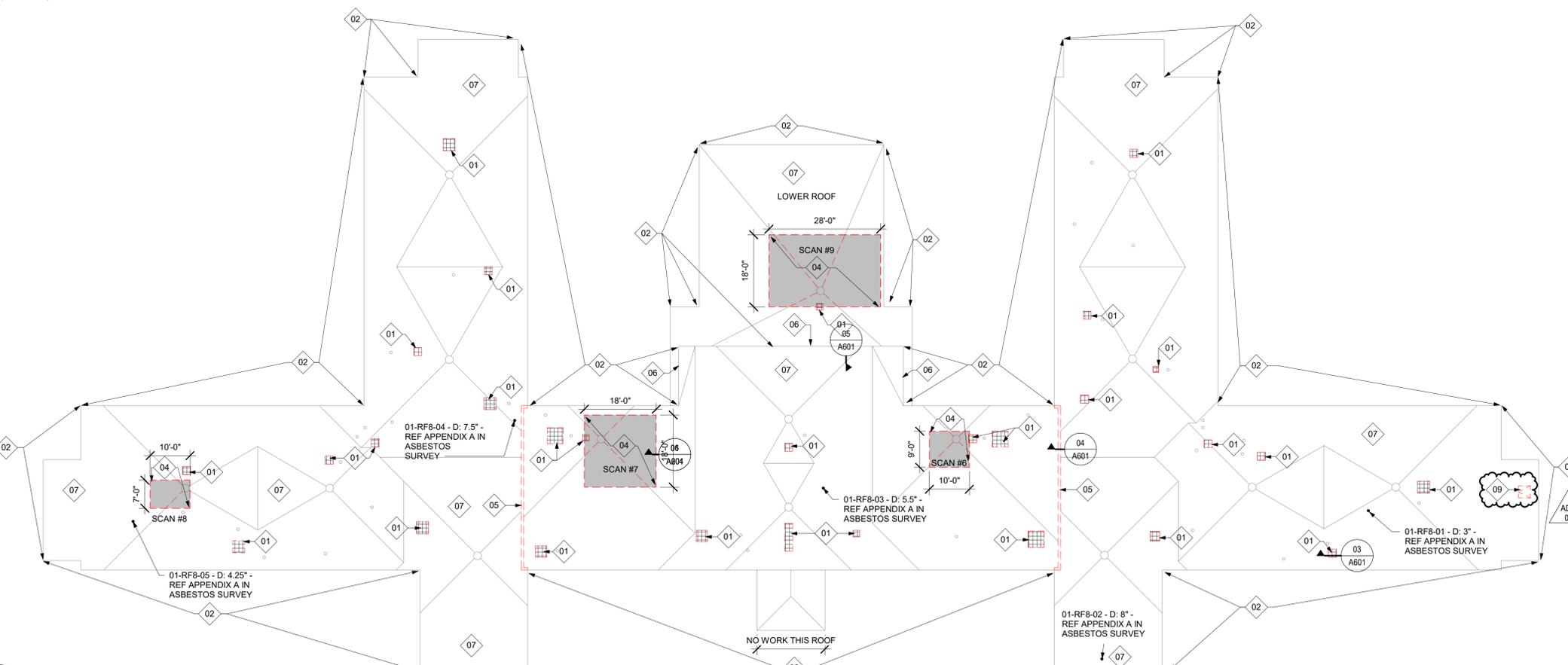
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- INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
- NEW FULLY ADHERED TPO ROOF ON EXISTING MODIFIED BITUMEN ROOFING
- AT WET AREAS REPLACE INSULATION WITH SAME THICKNESS INSULATION, TAPER, AND COVERBOARD, AND MAKE SURE TIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
- REINSTALL SALVAGED DOWNSPOUTS AFTER REGLET FLASHING INSTALLED
- FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04
- NEW METAL ROOF EDGE WITH TPO FLASHING. SEE DTL A601/02
- NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/05
- REINSTALL SPLASH BLOCKS ON WALK PADS
- ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE
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KEYNOTES - DEMOLITION PLAN

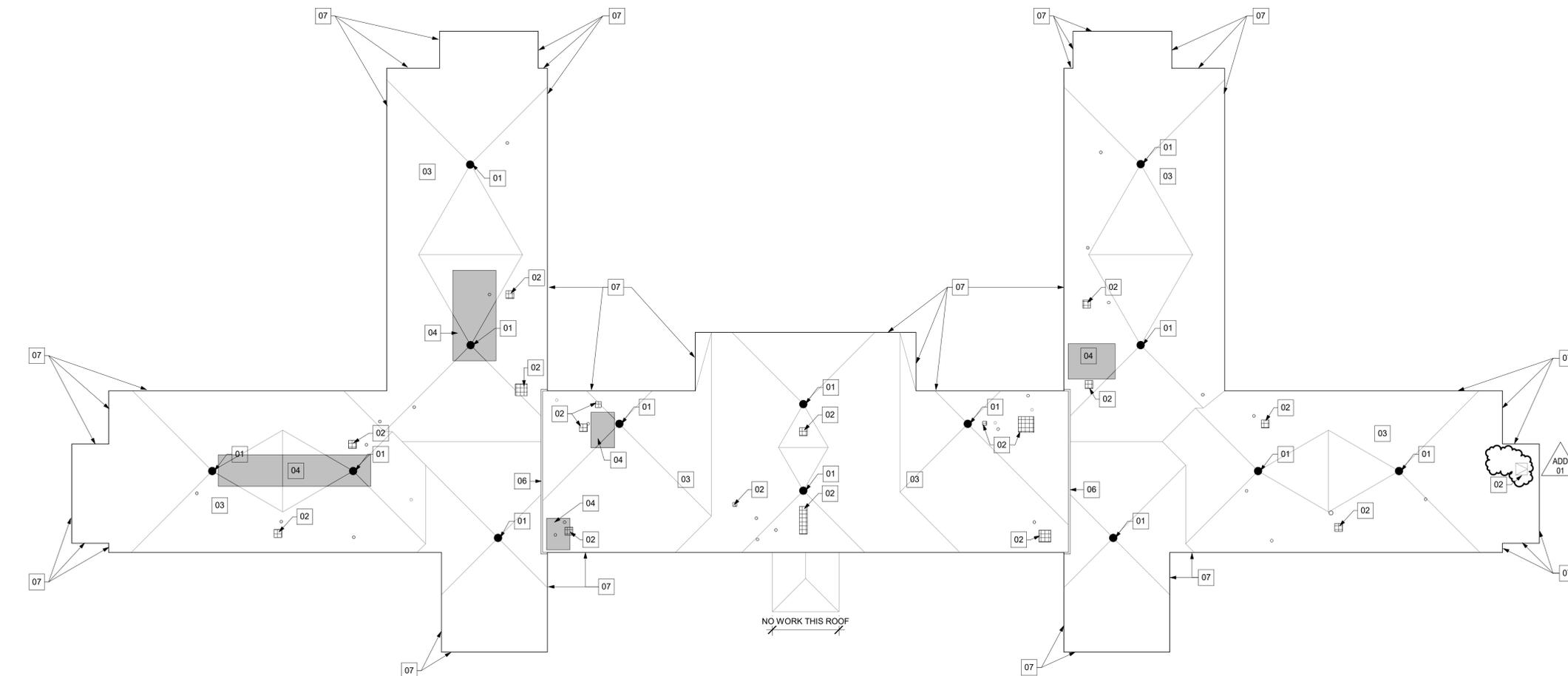
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- REMOVE AND SALVAGE PORTION OF FENCE ABOVE ROOF FOR REINSTALLATION



02 NEW WORK - GUHLEMAN WEST ROOF
A201 1/16" = 1'-0"



01 DEMO - GUHLEMAN WEST ROOF
A201 1/16" = 1'-0"



02 NEW WORK - GUHLEMAN EAST ROOF
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NEW WORK GENERAL NOTES

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ROOF GENERAL NOTES

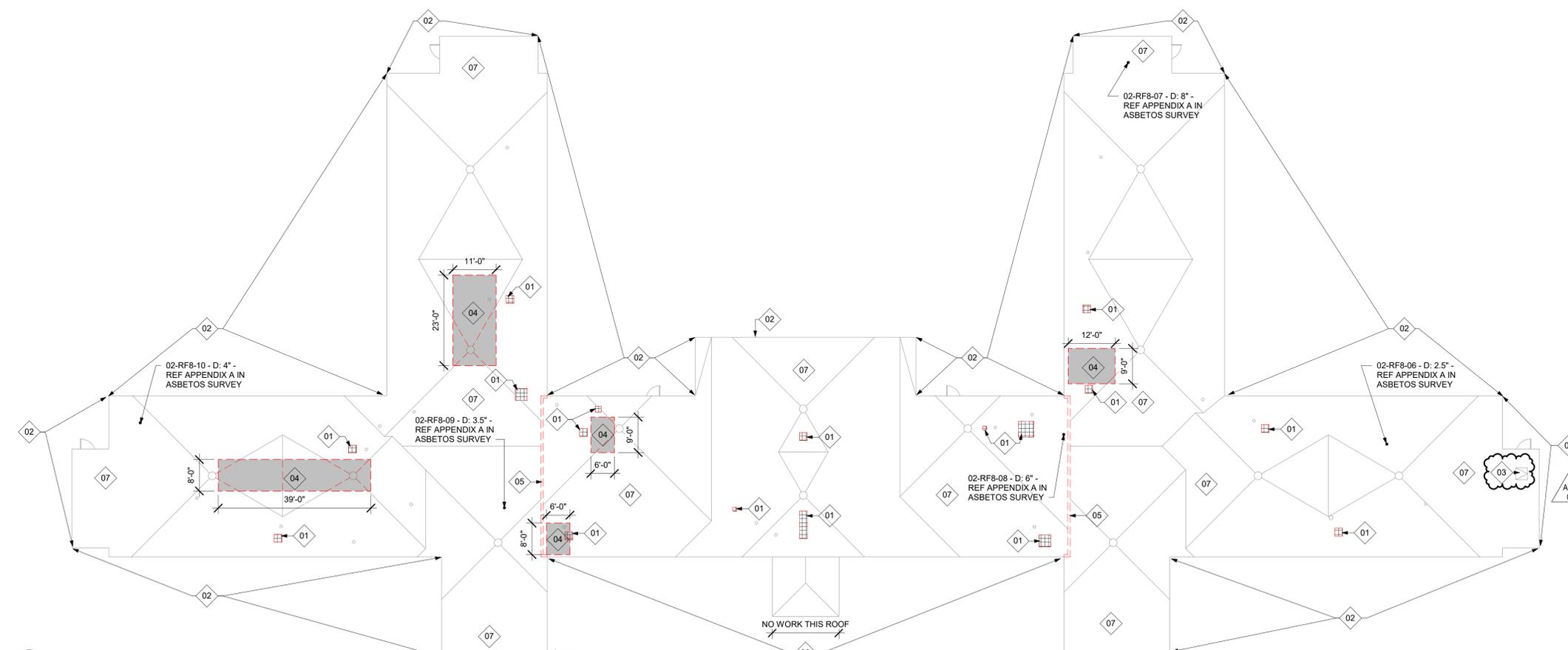
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KEYNOTES - NEW WORK PLAN

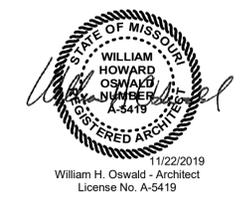
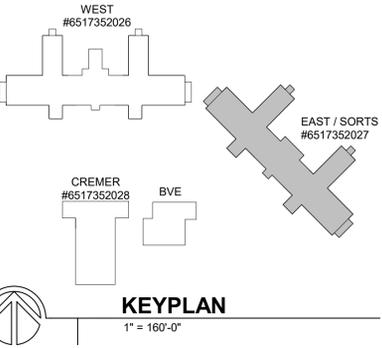
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- 05 REINSTALL SALVAGED DOWNSPOUTS AFTER REGLET FLASHING INSTALLED
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CAD DWG FILE:
DRAWN BY: KMT & JCM
CHECKED BY: WHO
DESIGNED BY: SOA

SHEET TITLE:
GUHLEMAN
EAST ROOF
PLANS

SHEET NUMBER:
A202

SHEET 4 OF 6
ISSUE DATE: NOVEMBER 22,
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11/22/2019
William H. Oswald - Architect
License No. A-5419



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ADD 01	1/16/2020

ISSUE DATE: NOVEMBER 22, 2019

CAD DWG FILE:
DRAWN BY: KMT & JCM
CHECKED BY: WHO
DESIGNED BY: SOA

SHEET TITLE:

CREMER ROOF
PLANS

SHEET NUMBER:

A203

SHEET 5 OF 6
ISSUE DATE: NOVEMBER 22,
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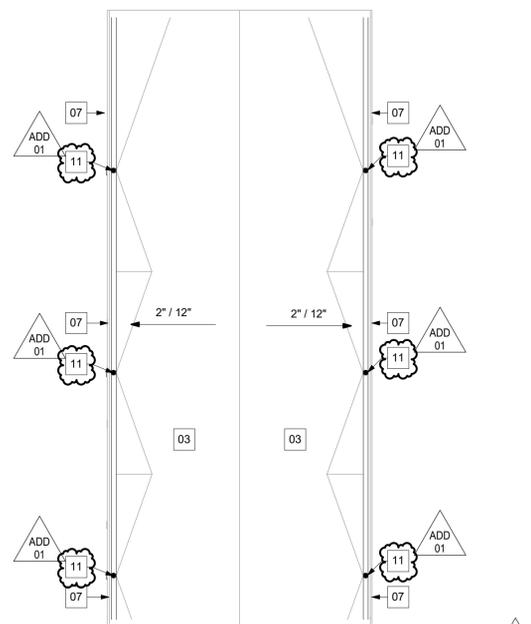
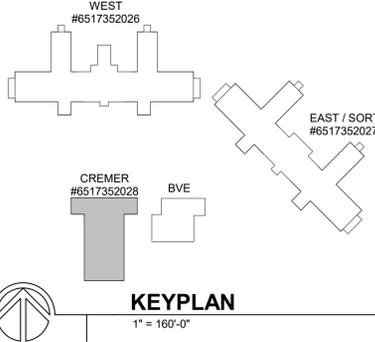
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KEYNOTES - NEW WORK PLAN

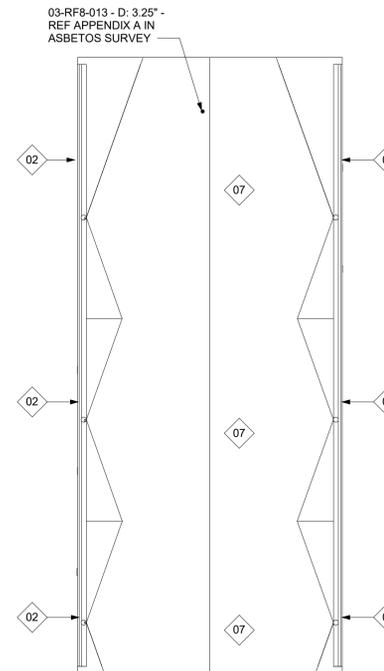
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- 08 NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/05
- 09 REINSTALL SPLASH BLOCKS ON WALK PADS
- 10 ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE
- 11 REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING, AND ALL FLASHING INSIDE DRAIN BODY. INSTALL RETROFIT DRAINS INTO EXISTING ROOF DRAIN BODIES. CONTRACTOR TO VERIFY SIZES OF EXISTING PIPING IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT DRAINS TO ROOF SURFACE

KEYNOTES - DEMOLITION PLAN

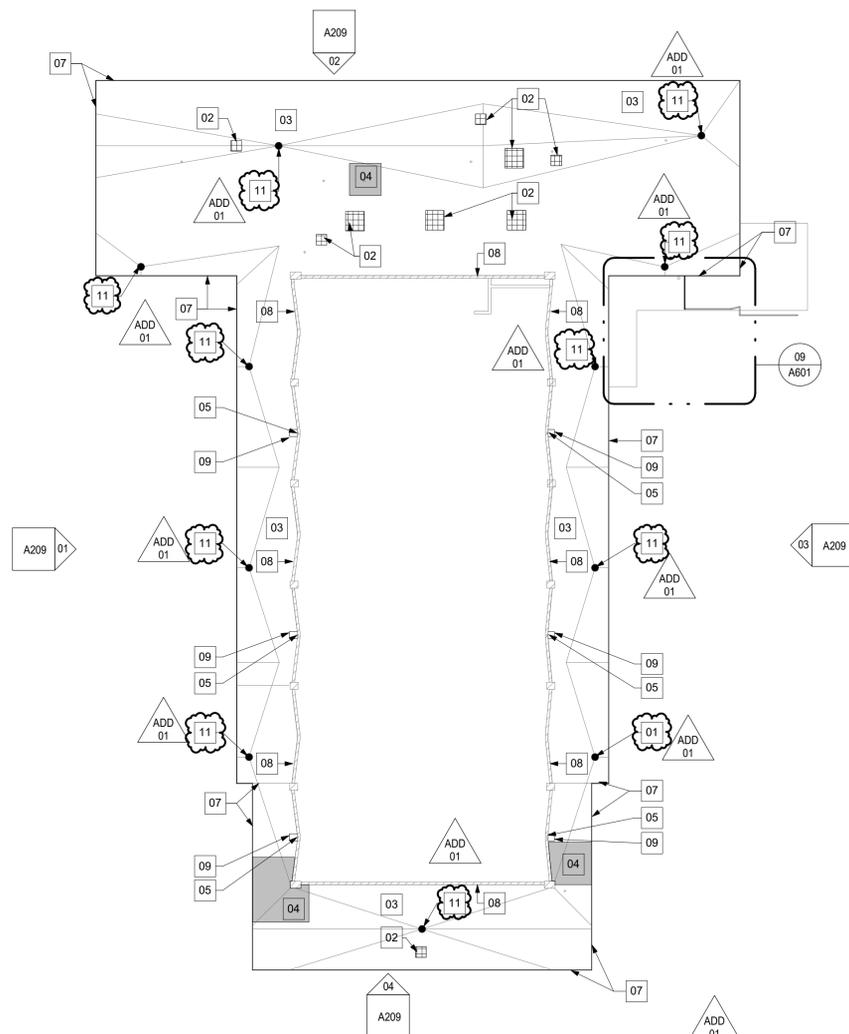
- 01 EXISTING EXHAUST FAN TO REMAIN (REMOVE EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW TPO ROOFING)
- 02 REMOVE EXISTING ROOF FLASHING TO DRIP EDGE. PREPARE SURFACE FOR NEW FLASHING & TERM BAR. EXISTING FASCIA METAL TO REMAIN
- 03 EXISTING ROOF HATCH TO REMAIN
- 04 REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION DOWN TO CONCRETE DECK WHERE INDICATED (WET)
- 05 REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT
- 06 REMOVE EXISTING TURNED UP FLASHING & TERM BAR/REGLET
- 07 POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING
- 08 REMOVE & SALVAGE DOWNSPOUTS AND SPLASH BLOCKS FOR REINSTALLATION
- 09 REMOVE EXISTING ROOF HATCH FOR REINSTALLATION
- 10 REMOVE EXISTING LOW ROOF
- 11 REMOVE AND SALVAGE PORTION OF FENCE ABOVE ROOF FOR REINSTALLATION



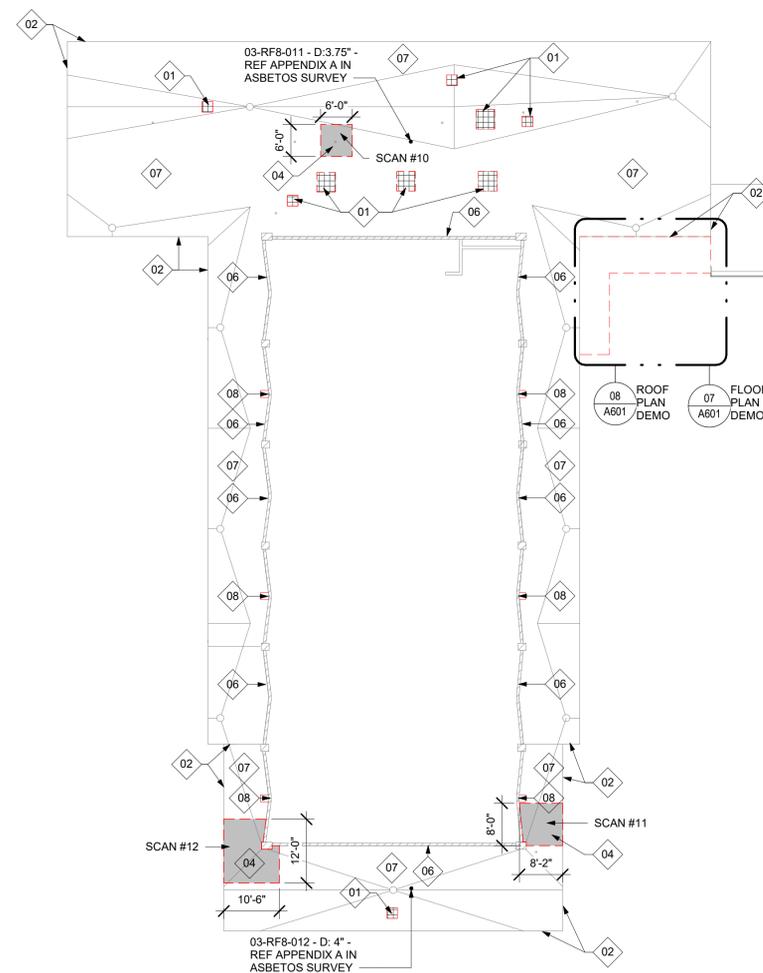
04 NEW WORK UPPER ROOF - CREMER ACTIVITY CENTER



03 DEMO UPPER ROOF - CREMER ACTIVITY CENTER



02 NEW WORK LOWER ROOF - CREMER ACTIVITY CENTER



01 DEMO LOWER ROOF - CREMER ACTIVITY CENTER





11/22/2019
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OFFICE OF
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DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

REPLACE ROOF
GUHLEMAN FORENSIC
COMPLEX FULTON
STATE HOSPITAL
600 EAST 5TH STREET
FULTON, MISSOURI 65251

PROJECT # M1906-01

CONSTRUCTION DOCUMENTS

REVISION	DATE
ADD 01	1/16/2020

ISSUE DATE: NOVEMBER 22, 2019

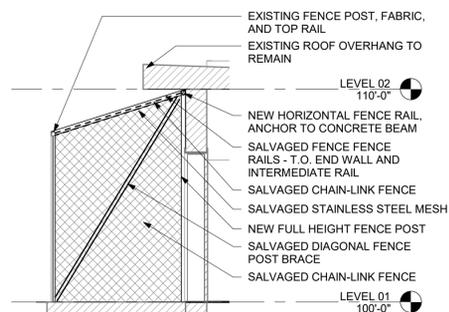
CAD DWG FILE:
DRAWN BY: KMT & JCM
CHECKED BY: WHO
DESIGNED BY: SOA

SHEET TITLE:
CONSTRUCTION
DETAILS

SHEET NUMBER:

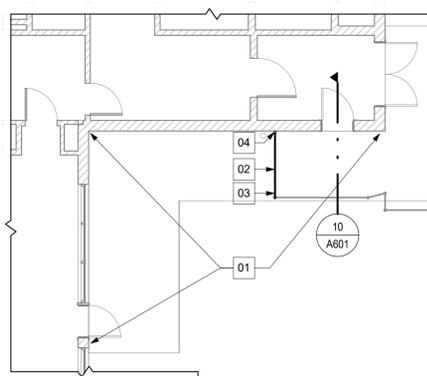
A601

SHEET 6 OF 6
ISSUE DATE: NOVEMBER 22,
2019



10 FENCE SECTION

A601 1/4" = 1'-0"

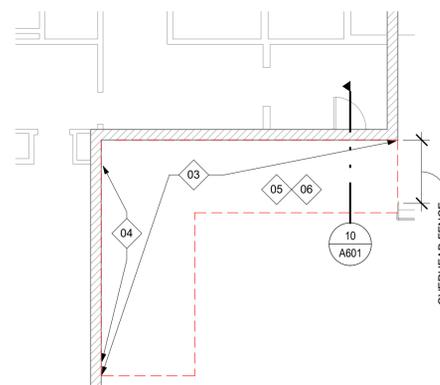


09 CREMER ACTIVITY CENTER - LEVEL 01

A203/A601 1/8" = 1'-0"

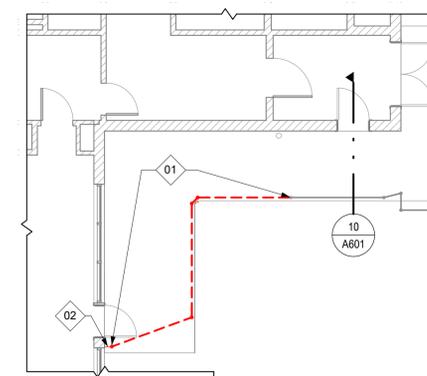
KEYNOTES - NEW WORK PLAN CREMER

- 01 PATCH CONCRET BEAM WHERE DAMAGED FROM DEMOLITION. CLEAN ROOFING AND ADHESIVE FROM FACE AND PREPARE SURFACE FOR PAINTING BY OWNER.
- 02 INSTALL SALVAGED FENCE TO UNDERSIDE OF EXISTING ROOF ABOVE
- 03 INSTALL NEW DIAGONAL CROSS BRACE IN FENCE
- 04 NEW FENCE POST - ANCHOR BASE PLATE TO CONCRETE SLAB. ANCHOR POST TO WALL AT TOP AND BOTTOM



08 DEMO ROOF - CREMER ACTIVITY CENTER

A203/A601 1/8" = 1'-0"

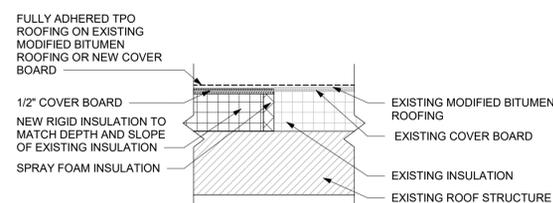


07 CREMER ACTIVITY CENTER - DEMO LEVEL 01

A203/A601 1/8" = 1'-0"

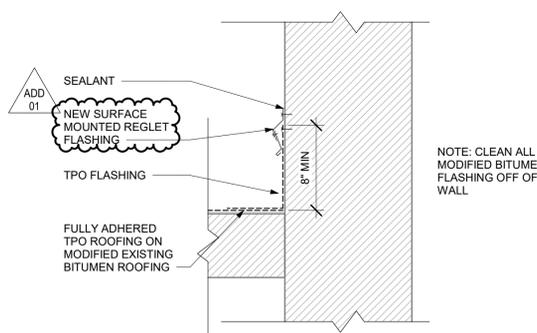
KEYNOTES - DEMO PLAN CREMER

- 01 REMOVE FENCE BACK TO POST AND SALVAGE FENCE FOR REINSTALLATION
- 02 DEMO METAL MESH AND CAULK ANCHOR HOLES IN EXISTING METAL PANEL
- 03 DEMO ROOF AND ASSOCIATED STRUCTURE
- 04 DEMO STL ANGLE ABOVE WINDOW ANCHORED TO CONCRETE BEAM AND CAULK ANCHOR HOLES
- 05 DEMO (3) LIGHT FIXTURES MOUNTED TO UNDERSIDE OF ROOF
- 06 DEMO ELECTRICAL BACK TO NEXT ACTIVE FIXTURE OR ELECTRICAL PANEL



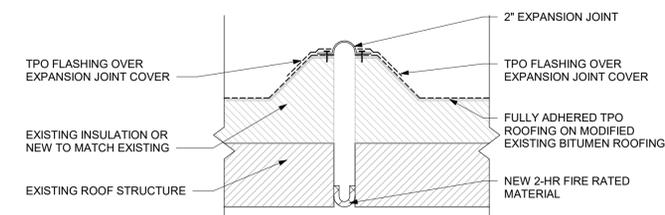
06 INFILL DTL @ FULL DEPTH REPAIR

A601 1 1/2" = 1'-0"



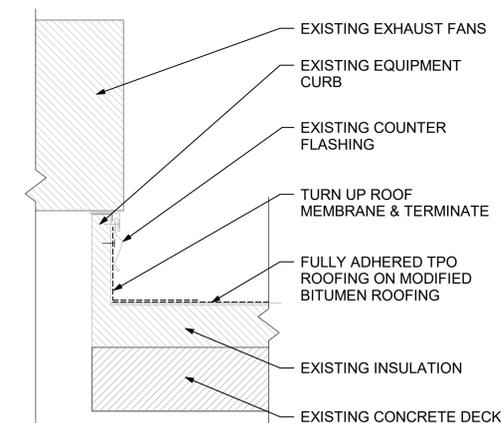
05 FLASHING DTL

A601 1 1/2" = 1'-0"



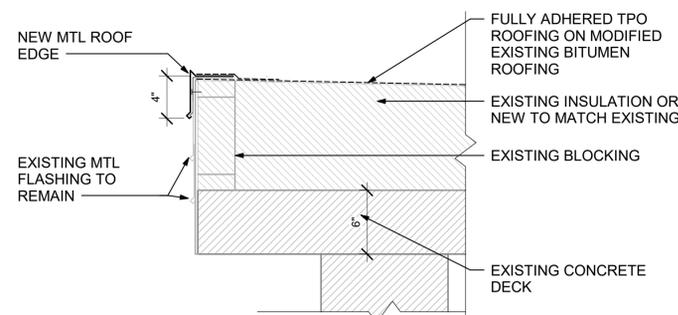
04 EXPANSION JOINT DTL

A601 1 1/2" = 1'-0"



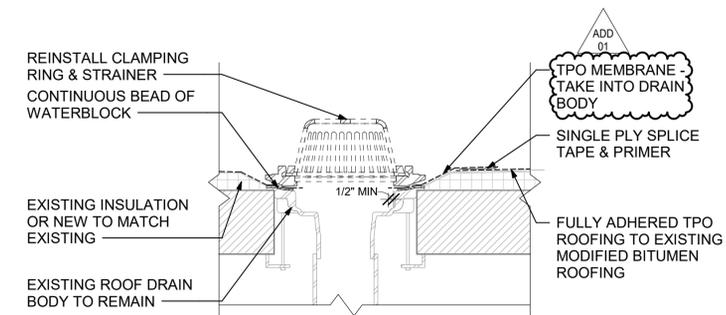
03 CURB FLASHING DTL

A601 1 1/2" = 1'-0"



02 TYP. ROOF EDGE

A601 1 1/2" = 1'-0"



01 TYP. ROOF DRAIN

A601 1 1/2" = 1'-0"