

**IHL# 201-259**  
**Upgrades & Renovation Poultry Processing Facility & Incinerator Shed**  
**Alcorn State University**  
**Lorman Campus**  
**Project Number: 2021-002**

**Addendum No. 1**

From: Vernell Barnes, Architect  
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19September2023

The following additions, changes, clarifications, revisions, and substitutions to the specifications and drawings of the original plans and specifications dated July 19, 2023, are to be included as part of the contract documents. Receipt of this addendum shall be acknowledged in the bid proposal form.

**GENERAL INFORMATION:**

A pre-bid meeting will be held at the building on October 03, 2023 at 10:00 a.m. at the Offices of Facilities Management.

**REFER TO THE SPECIFICATIONS:**

**Bid Date:** Sealed Bids will be received as follows:

SECTION 00 1100 ADVERTISEMENT FOR BIDS: The bid date and time has been rescheduled. The new date and time are as follows:

Change the bid date from Friday, September 22, 2023 at 2:00 p.m. to **Thursday, October 12, 2023 until 2:00 p.m. (14:00:00 Military Time)**, the location for receipt of bids shall remain unchanged as follows:

Offices of Facilities Management  
1000 ASU Drive #299  
Lorman, MS 39096

**ARCHITECTURAL:**

- Item No. 1 Delete specification Section 07 4115 – Structural Standing Seam Metal Roof System in its entirety.
- Item No. 2 Add new specification Section 07 4117 – Standing Seam Metal Roof Retrofit System in its entirety.

**PLUMBING:**

No Items

**MECHANICAL:**

No Items

**ELECTRICAL:**

No Items

**REFER TO THE DRAWINGS:**

**ARCHITECTURAL:**

- Item No. 1      Add new sheet to the drawings - Sheet A-505. New sheet is attached to this addendum.
- Item No. 2      Revise note numbers 1 & D on sheet AD-102. Modified drawing is attached to this addendum.
- Item No. 3      Revise the "List of Drawings" sheet T-1. Modified drawing is attached to this addendum.
- Item No. 4      Revise note number 1 on sheet A-103. Modified drawing is attached to this addendum.
- Item No. 5      Revise note number 7 on sheet A-201. Modified drawing is attached to this addendum.

**PLUMBING:**

No Items

**MECHANICAL:**

No Items

**ELECTRICAL:**

No Items

End of Addendum Number One



Vernell E. Barnes, AIA  
Vernell Barnes, Architect



## SECTION 07 4117

### STANDING SEAM METAL ROOF RETROFIT SYSTEM

#### PART 1 GENERAL

##### 1.01 RELATED DOCUMENTS

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

##### 1.02 SUMMARY

- A. Section Includes:
  - 1. New standing seam metal roof panel system for installation over an existing standing seam metal roof system.
  - 2. Flashings and system accessories.

##### 1.03 REFERENCES

- A. Reference Standards:
  - 1. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
  - 2. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
  - 3. ASTM E 1646 - Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference.
  - 4. FM - Tests Requirements for Class 1 Panel roofs, Factory Mutual Research Corporation.
  - 5. UL 580 - Standard for Tests for Uplift Resistance of Roof Assemblies.
  - 6. UL2218: Class 4 Impact Resistance Rating.
  - 7. SMACNA (ASMM) - Architectural Sheet Metal Manual; Sheet Metal and Air Conditioning Contractors National Association.

##### 1.04 PREINSTALLATION CONFERENCES

- A. Preinstallation Conference: Conduct conference at Project site minimum fourteen days prior to installation to discuss conformance with project requirements, manufacturer installation requirements, affected adjacent materials and system, and site conditions.
- B. Coordination:
  - 1. Meet with metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of roof accessories and roof-mounted equipment.

2. Review special roof details, roof drainage, roof-penetration flashing, equipment curbs, and condition of other construction that affect sheet metal flashing and trim.
  3. Coordinate sizes and locations of roof curbs, equipment supports, and roof penetrations with actual equipment provided.
  4. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.
- C. Attendees shall include contractor, metal roof system installer, manufacturer technical representative, and installers of adjacent materials and systems.
- D. Conduct meeting in accordance with Section 01 3100 - Project Management and Coordination.

#### 1.05 SUBMITTALS

- A. Refer to Section 01 3300 - Submittal Procedures, for submittal procedure requirements.
- B. Product Data: For each type of product.
1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.
- C. Shop Drawings: To be prepared by metal roof system manufacturer.
1. Identify the configuration of the existing roof system.
  2. Identify work required to prepare the existing roof system for the new recover roof system.
  3. Submit roof plan showing panel layout, gutters and downspouts as applicable.
  4. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
  5. Provide metal roof flashing, gutter and downspout shop drawings. Indicate gage and finish of materials. Indicate fastener type, finish and spacing. Indicate locations of field applied sealant. Indicate location size and gauge of all back up plates.
  6. Roof Insulation System: Indicate roof insulation type, configuration, and attachment requirements needed to meet specified performance requirements.
  7. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 1-1/2 inches per 12 inches (1:10).
  8. Roof Panel Attachment:
    - a. Roof plan with wind uplift pressure calculations at field, corner and perimeter areas according to version of ASCE-7 referenced by locally-adopted Building Code and the authority having jurisdiction.
    - b. Roof plan indicating roof clip spacing pattern at field, corner, perimeters and where panels are to be fixed from thermal movement.

- c. Roof panel attachment plan must be stamped by licensed engineer in State in which project is constructed, certifying roof attachment meets local Building Code requirements for wind uplift.
  9. Engineering Calculations:
    - a. Indicate any required field testing requirements for existing substrates including, but not limited to, field fastener withdrawal resistance testing.
    - b. Indicate acceptability of existing substrates and all preparation or modification requirements for existing substrates needed to comply with Performance Requirements.
    - c. Submit wind uplift pressure calculations according to ASCE 7 Wind Speed for project location with respect to appropriate Importance Factor, Exposure category and Safety Factor.
    - d. Calculations shall be sealed by a professional engineer licensed to practice structural engineering in the State of Mississippi.
  10. Test Reports: Certified test results that indicate roof system meets or exceeds design and performance criteria.
  11. Static Water Testing Certification.
  12. Air and Water Testing Certification.
  13. UL 90 Rating Certification.
  - D. Samples:
    1. Submit two samples, 12" long, full width panel, showing metal gage, seam and required finish.
    2. Two samples each for roof panel clip, bearing plate and clip fastener.
    3. Submit color samples for Architect's selection.
  - E. Qualification Data: For Installer.
  - F. Product Test Reports: For each product, for tests performed by a qualified testing agency.
  - G. Field quality-control reports.
  - H. Sample Warranties: For special warranties.
- 1.06 CLOSEOUT SUBMITTALS
- A. Special Installer Warranty: Executed warranty meeting specified requirements.
  - B. Special Manufacturer Warranty: Executed warranty meeting specified requirements. Warranty shall be completed in Owner's name and registered with manufacturer.
  - C. Special Manufacturer Weathertightness Warranty: Executed warranty meeting specified requirements. Warranty shall be completed in Owner's name and registered with manufacturer.
  - D. Special Manufacturer Finish Warranty: Executed warranty meeting specified requirements.

- E. Maintenance Data: Provide manufacturer maintenance instructions for the materials of this Section.

#### 1.07 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
  - 1. Installer must be a current National Roofing Contractors Association (NRCA) member in good standing.

#### 1.08 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging with identification labels intact until ready for installation.
- B. Store materials protected from exposure to harmful conditions. Store material in dry, above ground location.
- C. Stack pre-finished material to prevent twisting, bending, abrasion, scratching and denting. Elevate one end of each skid to allow for moisture to run off.
- D. Prevent contact with material that may cause corrosion, discoloration or staining.
- E. Do not expose to direct sunlight or extreme heat trim material with factory applied strippable film.

#### 1.09 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.10 WARRANTY

- A. Manufacturer Special Warranty: Manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures including rupturing, cracking, or puncturing.
    - b. Deterioration of metals and other materials beyond normal weathering.
  - 2. Warranty Period: Two years from date of Substantial Completion.
- B. Installer Special Warranty: Submit installer's warranty, signed by Installer, covering the Work of this Section, including all components of roof panels for the following warranty period:
  - 1. Warranty Period: Two years from date of Substantial Completion
- C. Manufacturer Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.

1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
    - a. Color fading more than 5 Delta E units when tested according to ASTM D2244.
    - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
    - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
  2. Finish Warranty Period: 20 years from date of Substantial Completion.
- D. Manufacturer Special Weathertightness Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace standing-seam metal roof panel assemblies that fail to remain weathertight, including leaks, within specified warranty period.
1. Warranty Period: 20 years from date of Substantial Completion.

## **PART TWO PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Basis of Design Manufacturer: Varco Pruden Buildings. [www.varcopruden.com](http://www.varcopruden.com)
1. Selection: Varco Pruden SSR Cover Rib Retrofit Roof System. A proprietary retrofit/recover roof system assembly with the following characteristics.
    - a. Retrofit roof panels: VP SSR Roof Panel.
    - b. Retrofit roof clips, 5 inch height, VP SSR X-Tall Clips.
    - c. Insulation Thickness: As selected by Architect. Maximum 3 inches.
  2. Finish: Factory finish selected by Architect from manufacturer full range.
- B. Acceptable manufacturers subject to compliance with requirements:
1. Atas International, Inc. [www.atas.com](http://www.atas.com)
  2. Berridge Manufacturing Co. [www.berridge.com](http://www.berridge.com)
  3. Englert, Inc. [www.englertinc.com](http://www.englertinc.com).
  4. Fabral Metal Roof Systems. [www.fabral.com](http://www.fabral.com)
  5. Petersen Aluminum Corp. [www.pac-clad.com](http://www.pac-clad.com)
  6. Varco Pruden Buildings. [www.varcopruden.com](http://www.varcopruden.com)

### **2.02 SHEET METAL ROOFING**

- A. Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
1. Designed for installation over non-solid, non-continuous substrates such as structural steel purlins, channels, tubs, or similar.

- B. Performance Requirements: Provide sheet metal roofing that has been manufactured, fabricated and installed to achieve the following performance without defects, damage, failure or infiltration of water.
  - 1. Wind Uplift: Provide tested assembly that meets or exceeds the wind load design requirements of applicable building code. Refer to cladding wind load requirements on project structural drawings. Testing shall be based on UL E1592 or UL 580 as applicable.
  - 2. Static Air Infiltration: 0.06 cu ft/min/sq ft (1.1 cu m/h/sq m) at 6.24 lb/sq ft (300 Pa) air pressure differential, maximum, when tested in accordance with ASTM E 283 or ASTM E 1680.
  - 3. Water Infiltration: No evidence of water penetration at inward static air pressure differential of minimum 12.0 lb/sq ft (575 kPa), when tested in accordance with ASTM E 331 or ASTM E 1646.
  - 4. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
    - a. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surface temperature range.
  - 5. Fire Resistance: Refer to fire resistance rating requirements on Drawings.
- C. Roof Panels: Tension leveled flat panels with continuously interlocked standing seam; one-piece design without separate seam cover.
  - 1. Material: AZ50 Galvalume Steel, 24 gauge.
    - a. Metallic-Coated Steel Sheet: aluminum-zinc alloy-coated steel sheet (Galvalume) complying with ASTM A 792/A 792M, Class AZ50/AZ55 coating designation; structural quality. Pre-painted by the coil-coating process to comply with ASTM A 755/A 755M.
  - 2. Panel Width: 24-inch center to center.
  - 3. Rib Spacing: Manufacturer's standard.
  - 4. Eave Notching: Factory produced eave notching for trimmed eave panels.
- D. Panel Lengths: As indicated on drawings; panels 55 feet (16.76 m) and less fabricated in one continuous length.
- E. Texture: Smooth texture, dull matte specular gloss 25 to 35 percent at 60 degrees F (15.5 degrees C).
- F. Finish: Factory Painted/Pre-Finished.
  - 1. Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, FSF-free and having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch (0.030 mm).
    - a. Coats: Minimum two coat finish.



- b. Finish Type: Kynar 500 or Hylar 5000.
- 2. Underside: Wash coat of 0.3 to 0.4 mil (0.076 to 0.1 mm) dry film thickness.
- 3. Touch-Up Materials: As recommended by finish manufacturer for field application.
- 4. Color: As selected by Architect from manufacturer full range.
- G. Panel Fasteners: Non-penetrating type, as required to achieve wind uplift rating or otherwise as recommended by manufacturer.
- H. Sealant Bead: Factory applied sealant bead.
- I. Metal Panel Accessories: Provide components required for a complete, weather-tight panel system including trim, copings, fasciae, mullions, sills, corner units, panel clips, flashings, sealants, gaskets, fillers, panel closures, and similar items. Match material and finish of metal panels unless otherwise indicated.
- J. Metal Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- K. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are non-staining, and do not damage panel finish.
  - 1. Sealant Tape: Buytl
  - 2. Joint Sealant: One Part Poly
  - 3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C 1311.

## 2.03 ACCESSORY MATERIALS

- A. Underlayment: Self adhered SBS underlayment, designed for high temperature, standing seam metal underlayment applications. Product shall be temperature resistant up to a minimum of 250 deg F.
  - 1. Basis of Design: Metal roof system manufacturers own underlayment.
  - 2. Additional Acceptable Products: Subject to compliance with specified requirements and subject to approval by metal roof system manufacturer:
    - a. Grace Construction Products, Ice & Water Shield HT.
    - b. Henry, Blueskin PE 200 HT.
    - c. Mid-States, Quick-Stick HT Pro.
    - d. Polyglass Polystick MTS.
- B. Sealant - Single Component Polyurethane: Tremco Dymonic 100, Masterseal NP-1, or Sikalastic 1A.
- C. Bituminous Coating: Cold-applied asphaltic mastic, free of asbestos fibers, sulfur, and other harmful impurities. For separation of dissimilar metals.
- D. Touch-Up Paint: Approved by panel manufacturer.

- E. Miscellaneous Metal Flashing and Trim: Fabricate in minimum 96-inch long, but not exceeding 12-foot long, sections. Furnish with continuous cleats to support edge of external leg. Miter corners, fasten and seal watertight.
  - 1. Coordinate with the requirements of 07 6200 - Sheet Metal Flashing and Trim.
  - 2. Profile: As indicated on drawings.
  - 3. Performance: Fascia/edge assemblies to meet ANSI-SPRI ES-1 wind uplift requirement.
  - 4. Joint Style: Lapped with continuous sealant. Accommodate space required for thermal expansion and contraction.
  - 5. Fabricate from the following materials:
    - a. Match specified metal roof panels.
- F. Miscellaneous Metal Sub-framing and Furring: Provide manufacturer's standard sections as required for support and alignment of metal panel system and attachment to building structure.
- G. Insulation: Refer to the requirements of Section 07 2100 - Thermal Insulation.

#### 2.04 FABRICATION

- A. General: Provide factory-formed metal roof panel system complying with ASTM E 1514 requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Form panels in continuous lengths, endlaps are not permitted.
- D. Field forming of panels shall be done by factory employees operating the machines.
- E. Fabricate metal panel joints with factory-installed butyl sealant that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- F. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
  - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
  - 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
  - 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
  - 4. Sealed Joints: Form non-expansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.

5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
7. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal panel manufacturer for application, but not less than thickness of metal being secured.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify that substrates are acceptable for roofing installation in accordance with manufacturer's instructions.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Examine primary and secondary roof support substrates to verify that panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.
- D. Examine roof decking or solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal roof panel manufacturer.
- E. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- F. Proceed with installation only after unsatisfactory conditions have been corrected. Installation of materials of this section indicates acceptance of substrates and conditions.

#### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Coordinate metal roofing with other work, including but not limited to drainage, flashing and trim, deck substrates, parapets, copings, walls, and other adjoining work.
- C. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Install in accordance with manufacturer instructions and as follows.
  1. Apply wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches (152 mm) staggered 24 inches (610 mm) between courses.
  2. Overlap side edges not less than 36 inches (914.4 mm). Extend underlayment into gutter trough. Roll laps with roller.

3. Cover underlayment within 14 days or as directed by the underlayment product manufacturer.
- D. Install metal roofing panels to profiles, patterns and drainage indicated, in accordance with manufacturer's instructions, and as necessary to achieve specified performance and a leak-free Installation. Allow for structural and thermal movement.
- E. Separate dissimilar metals using bituminous coating to prevent galvanic action.
- F. Use fasteners recommended by panel manufacturer; conceal fasteners wherever possible; cover and seal exposed fasteners.
- G. Provide uniform, neat seams; provide sealant-type joint where indicated and form joints to conceal sealant.
- H. Flashings: Install flashings to cover underlayment to comply with requirements specified in Section 07 6200 - Sheet Metal Flashing and Trim.

### 3.03 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect metal roof panel installation, including accessories. Report results in writing.
- B. Remove and replace applications of metal roof panels where tests and inspections indicate that they do not comply with specified requirements.
- C. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- D. Prepare test and inspection reports and provide to Architect within 48 hours of site visit.

### 3.04 CLEANING

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer.
- B. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.
- C. Clean in accordance with manufacturer's instructions prior to Substantial Completion.

### 3.05 PROTECTION

- A. Remove temporary coverings and protection of adjacent work areas. Maintain in a clean condition during construction. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



GENERAL NOTES

1. THE CONTRACT DOCUMENTS CONSIST OF THE FOLLOWING DRAWINGS AND THE PROJECT SPECIFICATION MANUAL. ALL ADDENDA, CHANGE DIRECTIVES & CHANGE ORDERS SHALL BECOME A PART OF THE CONTRACT FOR CONSTRUCTION BETWEEN THE OWNER AND/OR USER AGENCY AND THE CONTRACTOR SHALL BECOME A PART OF THE CONTRACT.
2. THE SCOPE OF THE WORK SHALL CONSIST OF THE EXTERIOR AND INTERIOR RENOVATION OF AN EXISTING PRE-ENGINEERED METAL BUILDING INCLUDING BUT NOT LIMITED TO ARCHITECTURAL AND ENGINEERING COMPONENTS FOR POULTRY RESEARCH. THE WORK SHALL ALSO INCUDE THE CONSTRUCTION OF A SHED FOR COMPOSTING AND INCINERATING BY PRODUCTS OF THE RESEARCH EFFORT.
3. CONSTRUCTION SCHEDULING, TECHNIQUES, PROCEDURES, AND SEQUENCING ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS AND PRECAUTIONS TO MAINTAIN A SAFE WORK SITE, PROTECT THE OCCUPANTS AND WORK CREWS AT ALL TIMES.
5. CONTRACTOR SHALL FIELD VERIFY AND BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS, VERIFICATION OF ALL QUANTITIES, LABOR, MATERIALS AND ALL OTHER ITEMS NECESSARY FOR THE COMPLETION OF A FINISHED PRODUCT. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE ACCEPTANCE OF BIDS. IF DISCREPANCIES ARE FOUND AFTER THE DEMOLITION WORK HAS BEGUN NOTIFY THE ARCHITECT AND THE OWNER'S PROJECT MANAGER FOR THE OWNER USING THE REQUEST FOR INFORMATION PROCEDURES AS OUTLINED IN THE PROJECT MANUAL.
6. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED. SHOULD THE SHUTDOWN OF ANY UTILITIES BE REQUIRED DURING BUSINESS HOURS THE CONTRACTOR SHALL COORDINATE THE SHUTDOWN WITH THE USER AGENCY AND THE ARCHITECT.
7. THE CONTRACTOR SHALL COORDINATE WITH THE USER AGENCY TO DESIGNATE EMERGENCY EGRESS POINTS AND MAINTAIN THOSE POINTS THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL MAINTAIN THE WEATHER TIGHTNESS OF THE BUILDING AND THE SECURITY OF THE BUILDING.
8. THE CONTRACTOR SHALL PROVIDE LICENSED SUB-CONTRACTORS FOR ALL WORK RELATED TO THE TEMPORARY REMOVAL AND REPLACEMENT OF ELECTRICAL AND/OR MECHANICAL COMPONENTS FOR THE INSTALLATION OF THE NEW INTERIOR AND EXTERIOR COMPONENTS. FIELD VERIFY ALL EXISTING CONDITIONS WHICH ARE TO BE REINSTALLED OR REMAIN AFTER THE WORK HAS BEEN COMPLETED PRIOR TO THE START OF ANY DEMOLITION WORK.
9. PROTECT THE BUILDING FACES AND ALL OTHER ITEMS AROUND THE BUILDING FROM DAMAGE OR STAINS. REPLACE ALL DAMAGED ITEMS WHICH CAN NOT BE CLEANED OR ARE BEYOND BEING SALVAGEABLE.
- 10.THE CONTRACTOR SHALL RETAIN ALL PROPERTY THAT IS TO BE REMOVED FOR THE INSTALLATION OF THE NEW WORK AND DELIVER TO THE OWNER/USER AGENCY TO A PLACE OF THE OWNER/USER AGENCY'S CHOOSING.
- 11.THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES WITH THE CAMPUS SECURITY AGENCY AND FIRE DEPARTMENT.

DRAWING INDEX

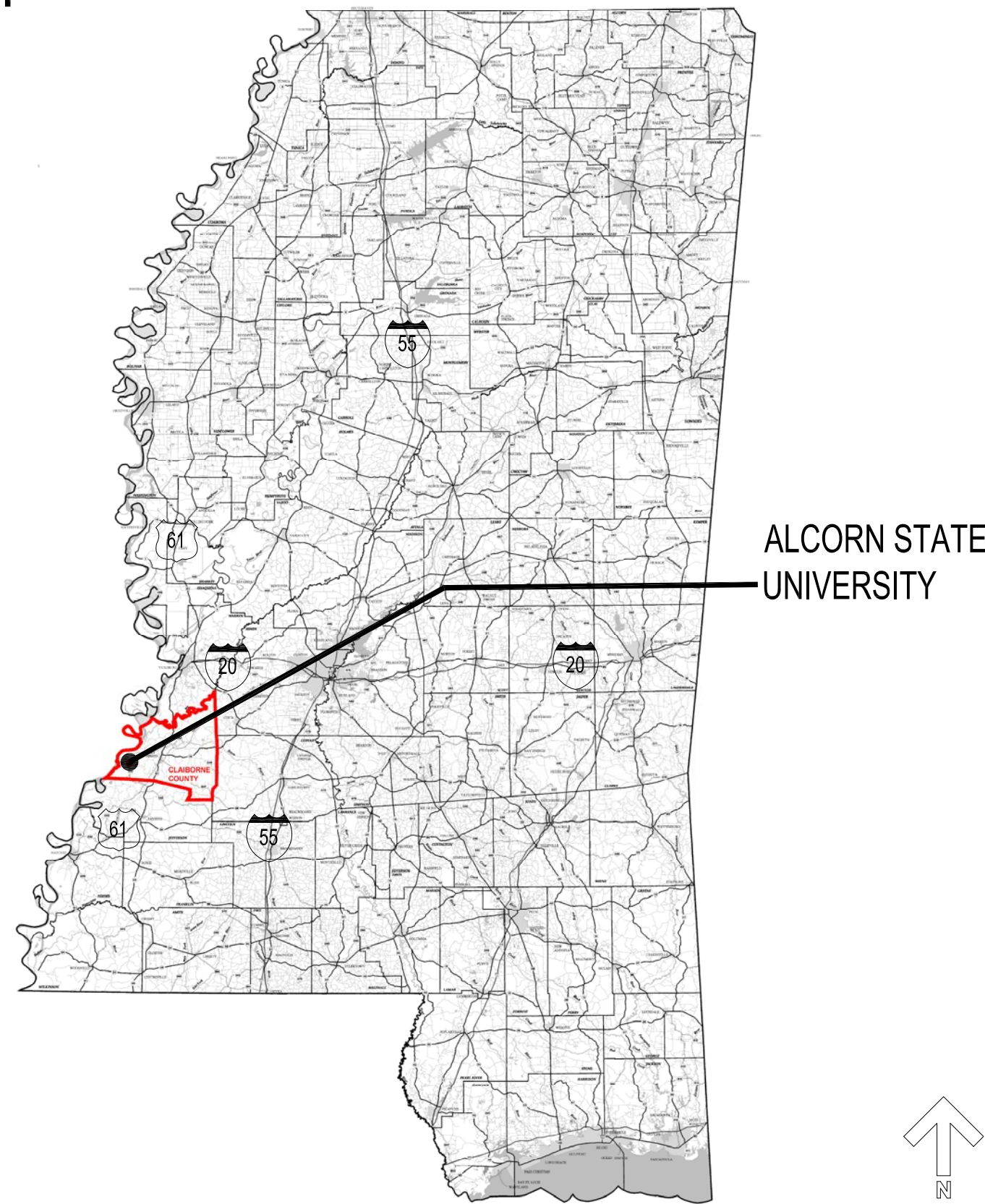
SHEET NUMBER	TITLE	DATE OF ISSUANCE
GENERAL		
T-101	TITLE SHEET	07.19.2023
SURVEY		
	TOPOGRAPHIC SURVEY	07.19.2023
CIVIL		
CD-100	DEMOLITION SITE PLAN	07.19.2023
C-101	SITE PLAN	07.19.2023
C-102	SITE PLAN DETAILS	07.19.2023
C-103	SITE DETAILS	07.19.2023
ARCHITECTURAL		
AS-101	ARCHITECTURAL SITE PLAN	07.19.2023
AD-101	POULTRY BUILDING DEMOLITION PLAN	07.19.2023
AD-102	POULTRY BUILDING DEMOLITION ROOF PLAN	07.19.2023
AP-101	PHOTOGRAPHS OF EXISTING CONDITIONS	07.19.2023
AP-102	PHOTOGRAPHS OF EXISTING CONDITIONS	07.19.2023
A-101	POULTRY BUILDING FLOOR PLAN	07.19.2023
A-102	POULTRY BUILDING REFLECTED CEILING PLAN	07.19.2023
A-103	POULTRY BUILDING ROOF PLAN	07.19.2023
A-104	INCINERATOR SHED FLOOR PLAN	07.19.2023
A-105	INCINERATOR SHED ROOF PLAN	07.19.2023
A-106	PREFABRICATED GARAGE SLAB PLAN	07.19.2023
A-107	FINISH PLAN AND SCHEDULES	07.19.2023
A-201	POULTRY BUILDING EXTERIOR ELEVATIONS	07.19.2023
A-202	INCINERATOR SHED EXTERIOR ELEVATIONS	07.19.2023
A-301	POULTRY BUILDING SECTIONS	07.19.2023
A-302	INCINERATOR SHED SECTIONS	07.19.2023
A-401	ENLARGED SCALE PLANS AND ELEVATIONS	07.19.2023
A-501	PARTITION TYPES	07.19.2023
A-502	PLAN DETAILS	07.19.2023
A-503	INCINERATOR SHED FOUNDATION DETAILS	07.19.2023
A-504	INCINERATOR SHED ROOF DETAILS	07.19.2023
A-505	METAL ROOF DETAILS	09.19.2023
A-601	DOOR SCHEDULE AND OPENING DETAILS	07.19.2023
A-602	DOOR DETAILS	07.19.2023
MECHANICAL		
M-001	MECHANICAL LEGEND, NOTES, ABBREVIATIONS AND INDEX	07.19.2023
MD-101	POULTRY MECHANICAL DEMOLITION FLOOR PLAN	07.19.2023
M-101	POULTRY MECHANICAL RENOVATION FLOOR PLAN	07.19.2023
M-501	MECHANICAL DETAILS	07.19.2023
M-601	MECHANICAL SCHEDULES	07.19.2023
PLUMBING		
P-001	PLUMBING LEGEND, NOTES, ABBREVIATIONS AND INDEX	07.19.2023
PD-101	POULTRY PLUMBING DEMOLITION FLOOR PLAN	07.19.2023
P-101	POULTRY PLUMBING RENOVATION FLOOR PLAN	07.19.2023
P-102	PLUMBING SITE PLAN	07.19.2023
P-501	PLUMBING DETAILS	07.19.2023
P-601	PLUMBING SCHEDULES	07.19.2023
ELECTRICAL		
E100	PARTIAL SITE PLAN	07.19.2023
E200	FLOOR PLAN - POULTRY BUILDING, POWER RISER DIAGRAMS, AND SCHEDULES	07.19.2023
E300	FLOOR PLAN - POULTRY BUILDING, POWER RISER DIAGRAMS, AND SCHEDULES	07.19.2023
E400	FLOOR PLAN - INCINERATOR BUILDING, POWER RISER DIAGRAMS, AND SCHEDULES	07.19.2023
E500	ELECTRICAL DETAILS	07.19.2023
E600	LEGEND, SCHEDULES, AND DETAILS	07.19.2023

BUILDING CODE SUMMARY

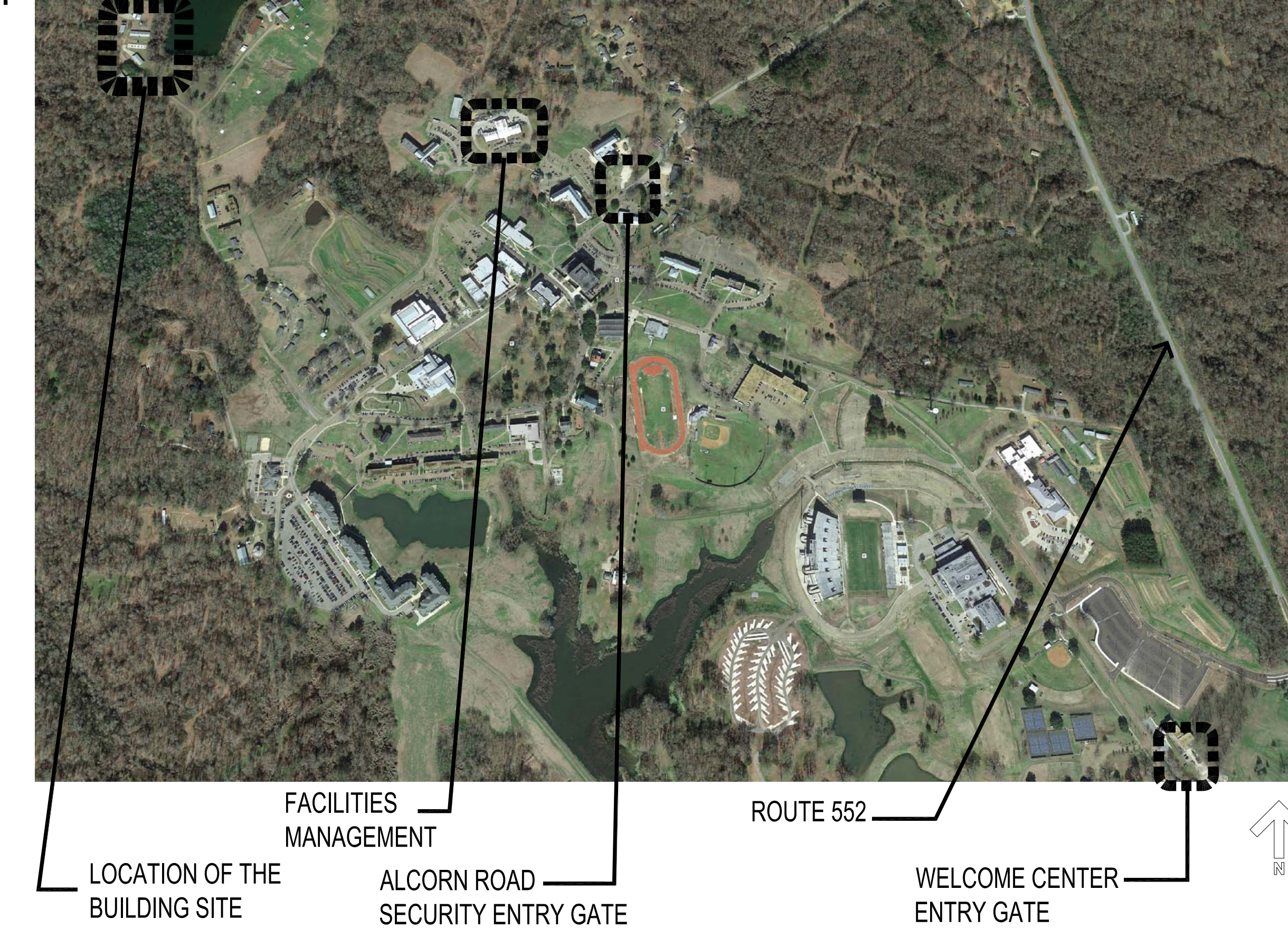
CONSTRUCTION SHALL BE IN ACCORDANCE WITH BUT NOT LIMITED TO THE FOLLOWING CODES, ACTS AND/OR ORDINANCES:

1. APPLICABLE CODES  
INTERNATIONAL BUILDING CODE - 2018 EDITION  
(ORIGINAL CONSTRUCTION BASED ON THE STANDARD BUILDING CODE - 1985 EDITION)  
INTERNATIONAL EXISTING BUILDING CODE - 2018  
INTERNATIONAL ELECTRIC CODE - 2018 EDITION  
INTERNATIONAL FUEL GAS CODE - 2018 EDITION  
INTERNATIONAL MECHANICAL CODE - 2018 EDITION  
INTERNATIONAL PLUMBING CODE - 2018 EDITION  
IASHRAE 90.1 (ENERGY STANDARDS for BUILDINGS) - 2018 EDITION  
INTERNATIONAL RESIDENTIAL CODE (IRC) - 2018 EDITION  
INTERNATIONAL FIRE CODE - 2018 EDITION  
MISSISSIPPI HANDICAPPED LAW, MISSISSIPPI CODE 1972, ANNOTATED, SECTION 43-6-101 through 43-6-125  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2. EXISTING BUILDING INFORMATION - PRE-ENGINEERED METAL BUILDING  
CONSTRUCTION TYPE: TYPE II-B (UNPROTECTED / UNSPRINKLERED)  
OCCUPANCY GROUPS: BUSINESS (B)  
CONSTRUCTION MATERIALS: STEEL FRAME WITH METAL ROOF DECK  
NUMBER OF STORIES: ONE (1)  
TOTAL BUILDING AREA: 3,100 GSF.  
TOTAL AREA OF RENOVATION CONSTRUCTION: 3,100 GSF.
3. NEW OPEN AIR SHED  
CONSTRUCTION TYPE: TYPE V-B (UNPROTECTED/UNSPRINKLERED)  
OCCUPANCY GROUPS:  
CONSTRUCTION MATERIALS: WOOD FRAME, METAL ROOF DECK AND METAL ROOFING  
NUMBER OF STORIES: ONE (1)  
TOTAL BUILDING AREA: 1,729 GSF

STATE MAP



CAMPUS AERIAL MAP



DRAWING LEGEND

NORTH ARROW	TITLES (SECT/DET/ELEV) SECTION NUMBER SHEET (WHERE SHOWN)	ROOM NUMBER AND NAME	MATCH LINE MARK
SECTION SECTION NUMBER SHEET NUMBER	EXISTING COLUMN LINE NUMBER GRID LINE	DOOR NUMBER	SPECIFIC KEY NOTES
DETAIL DETAIL NUMBER SHEET NO. (WHERE DRAWN)	COLUMN LINE NUMBER GRID LINE	PARTITION TYPE	INTERIOR ELEVATION ELEVATION NUMBER SHEET NO. (WHERE SHOWN)
ELEVATION ELEVATION NUMBER SHEET NO. (WHERE SHOWN)		WINDOW TYPE	CASEWORK ELEVATION
		ELEVATION MARKS	REVISION CLOUD
		SPOT ELEVATION	

3  
A-1

Office  
012

1

2  
A-4

1

610

1

1  
A-3

1

1A

1  
A-5

5  
A-2

1

D

2

0.0'

1



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2 Issued for Bidding/Construction	19July2023
3 Issued for Addendum No. 1	19Sept2023

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POULTRY PROCESSING BLDG

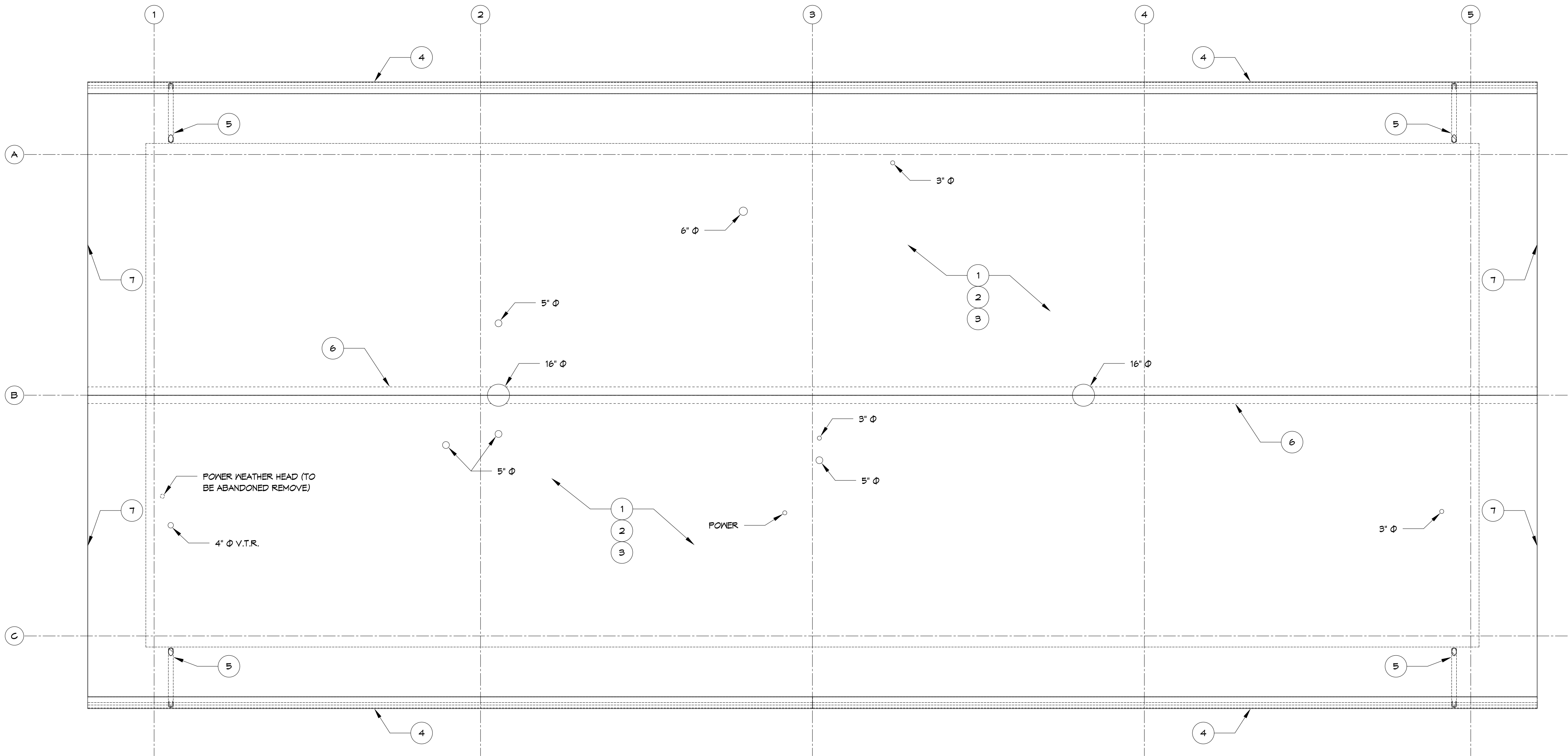
Drawing Title  
TITLE SHEET

Project Designer	Project Number
VB	2021-002
Project Architect	Date
VB	July 19, 2023
Drawn By	Scale
VB	NO SCALE
	Sheet Number

T-101

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1 DEMOLITION ROOF PLAN  
1/4" = 1'-0"



GENERAL ROOF DEMOLITION NOTES

- A. DISPOSE OF ALL DEMOLISHED MATERIALS PER FEDERAL, STATE, AND LOCAL GUIDELINES.
- B. ALL MATERIALS DESIGNATED FOR SALVAGE BY THE OWNER'S REPRESENTATIVE SHALL BE STORED IN A CLEAN AND SAFE ENVIRONMENT OR RELOCATED TO AN AREA DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- C. PROTECT ALL AREAS TO REMAIN FROM DAMAGE DURING AND AFTER DEMOLITION.
- D. EXISTING METAL ROOF PANELS SHALL REMAIN.
- E. EXISTING STRUCTURAL STEEL FRAME SUPPORTING ROOF STRUCTURE SHALL REMAIN INTACT AND SHALL NOT BE DISTURBED.
- F. DEMOLITION CONSISTS OF PERFORMING ALL DEMOLITION & REMOVAL OF ANY EXISTING CONSTRUCTION WHICH, IN ITS PRESENT POSITION, WILL INTERFERE W/ THE COMPLETED NEW CONSTRUCTION, & TO PERFORM ANY OTHER CUTTING, SAWING, OR PATCHING OF EXISTING CONSTRUCTION AS SHOWN ON DRAWINGS.
- G. DEBRIS RESULTING FROM DEMOLITION & CONSTRUCTION SHALL BE REMOVED ENTIRELY FROM THE BUILDING SITE ON A DAILY BASIS TO A WASTE AREA PROVIDED BY THE CONTRACTOR.
- H. PROTECT EXISTING LIVE UTILITIES. THE EXACT LOCATION & EXTENT OF UTILITIES MAY NOT BE KNOWN IN FULL. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, EXISTING CONDITIONS, AND LOCATING ALL UTILITIES PRIOR TO PROCEEDING W/ THE WORK.
- I. EXISTING ITEMS OR COMPONENTS THAT SHALL REMAIN INTACT SHALL BE PROTECTED FROM DAMAGED. ITEMS OR COMPONENTS WHICH SHALL REMAIN INTACT AND DAMAGED AS A RESULT OF DEMOLITION OR NEW WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- J. REMOVE ALL ABANDONED ROOF PENETRATIONS (I.E., CONDUITS, VENT THRU ROOF PIPES, ETC.). GENERAL CONTRACTOR SHALL VERIFY ANY ITEMS THAT PENETRATE THE ROOF DECK AND ARE NO LONGER IN OPERATION OR VIABLE. ADVISE THE ARCHITECT AND OWNER PRIOR TO REMOVAL.

ROOF DEMOLITION KEY NOTES:

- EXISTING METAL ROOF PANELS SHALL REMAIN. EXISTING BUILDING ROOF INSULATION SHALL BE REMOVED.
- PLUMBING STACK VENTS TO REMAIN. COORDINATE WITH THE NEW ROOFING MANUFACTURER'S TYPICAL DETAILS IF THEY ARE REQUIRED TO BE EXTENDED TO MEET WARRANTY OR CODE REQUIREMENTS.
- EXISTING ROOF FANS SHALL REMAIN. REMOVE AND DISPOSE OF DAMAGED CURBS AND REPLACE WITH NEW PREFABRICATED CURBS.
- EXISTING GUTTER SYSTEM SHALL BE REMOVED, CLEAN DEBRIS OUT OF GUTTERS
- EXISTING DOWNSPOUTS SHALL REMAIN
- EXISTING RIDGE CAP SHALL BE REMOVED
- EXISTING METAL RAKE TRIM SHALL BE REMOVED



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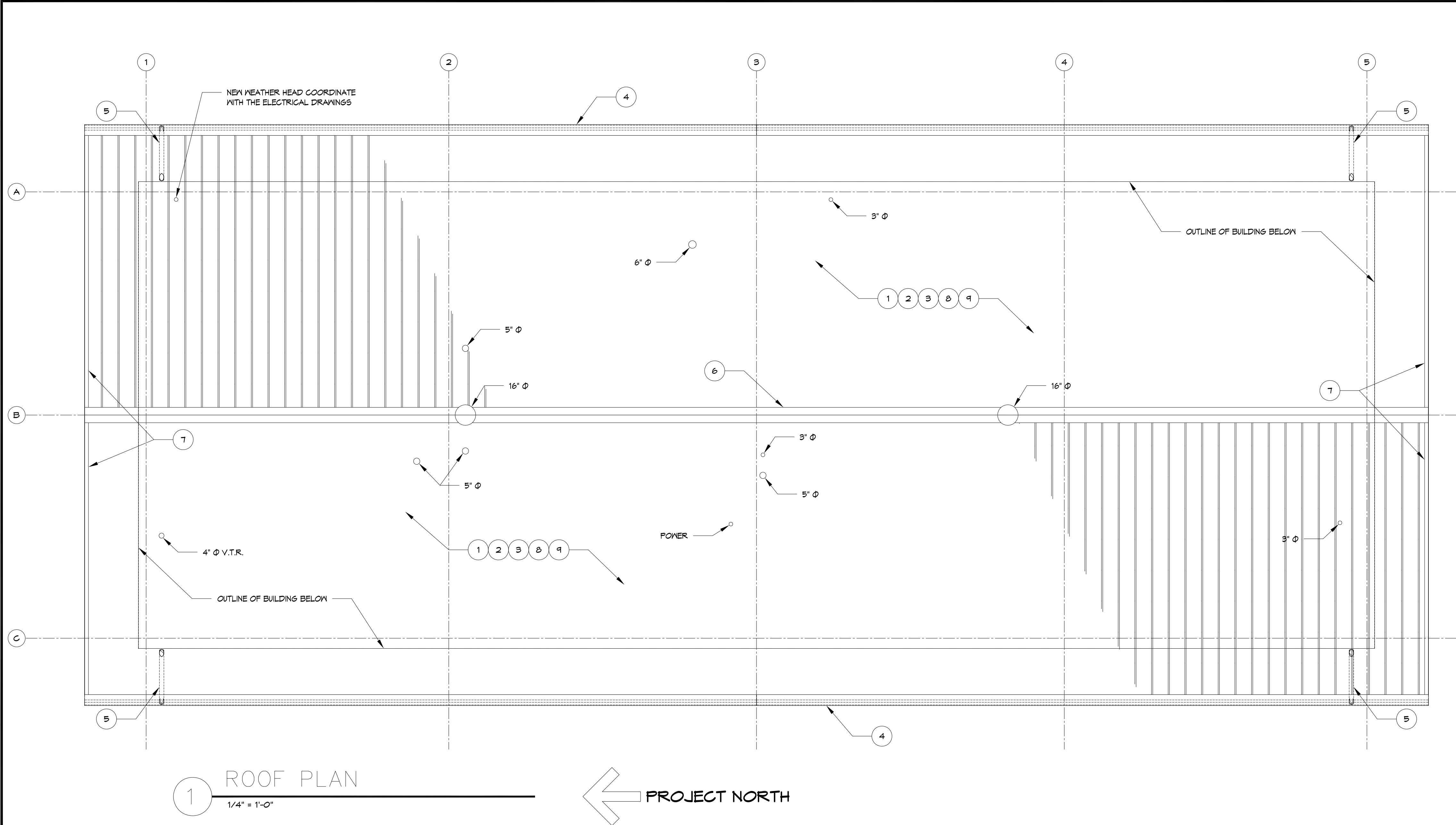
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Drawing Title  
POULTRY DEMOLITION ROOF PLAN

Project Designer	Project Number
VB	2021-002
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VB	July 19, 2023
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	Sheet Number

AD-102

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ROOF MODIFICATION KEY NOTES:

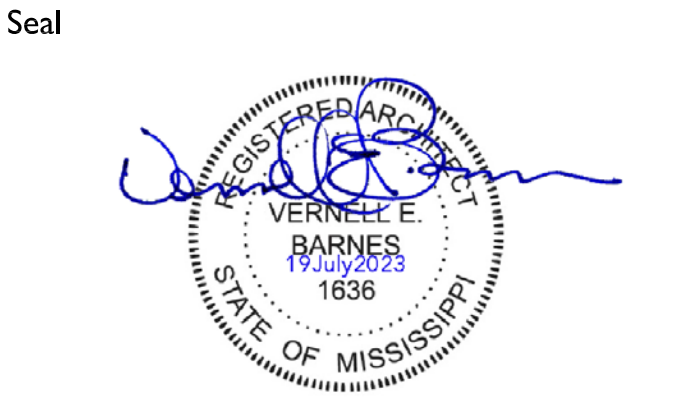
1. INSTALL NEW STANDING SEAM METAL RETROFIT ROOF PANELS OVER THE EXISTING METAL ROOF PANELS PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE NEW INSULATION PER DETAIL 1/A-505. SEE SPECIFICATION SECTION 07 4117 AND DRAWING SHEET A-505.
2. PLUMBING STACK VENTS TO REMAIN. COORDINATE WITH THE NEW ROOFING MANUFACTURER'S TYPICAL DETAILS IF THEY ARE REQUIRED TO BE EXTENDED TO MEET WARRANTY REQUIREMENTS.
3. EXISTING ROOF FANS SHALL REMAIN. REMOVE AND DISPOSE OF DAMAGED CURBS AND REPLACE WITH PREFABRICATED CURBS.
4. EXISTING GUTTER SYSTEM SHALL BE REMOVED. INSTALL NEW GUTTERS TO MATCH EXISTING SIZE AND PROFILE.
5. EXISTING DOWNSPOUTS SHALL BE CLEANED AND PREP TO RECEIVE NEW PAINT FINISH.
6. INSTALL NEW METAL RIDGE CAP.
7. INSTALL NEW METAL RAKE TRIM.
8. COORDINATE WITH ELECTRICAL DRAWINGS THE SIZE AND LOCATION OF NEW WEATHER HEAD LOCATION. REMOVE THE EXISTING WEATHER HEAD.
9. PROVIDE NEW INSULATION BELOW NEW ROOF PANEL, 4" MINIMUM THICKNESS.

ROOF NOTES:

- A. FIELD VERIFY LOCATIONS AND SIZES OF ROOF PENETRATIONS.



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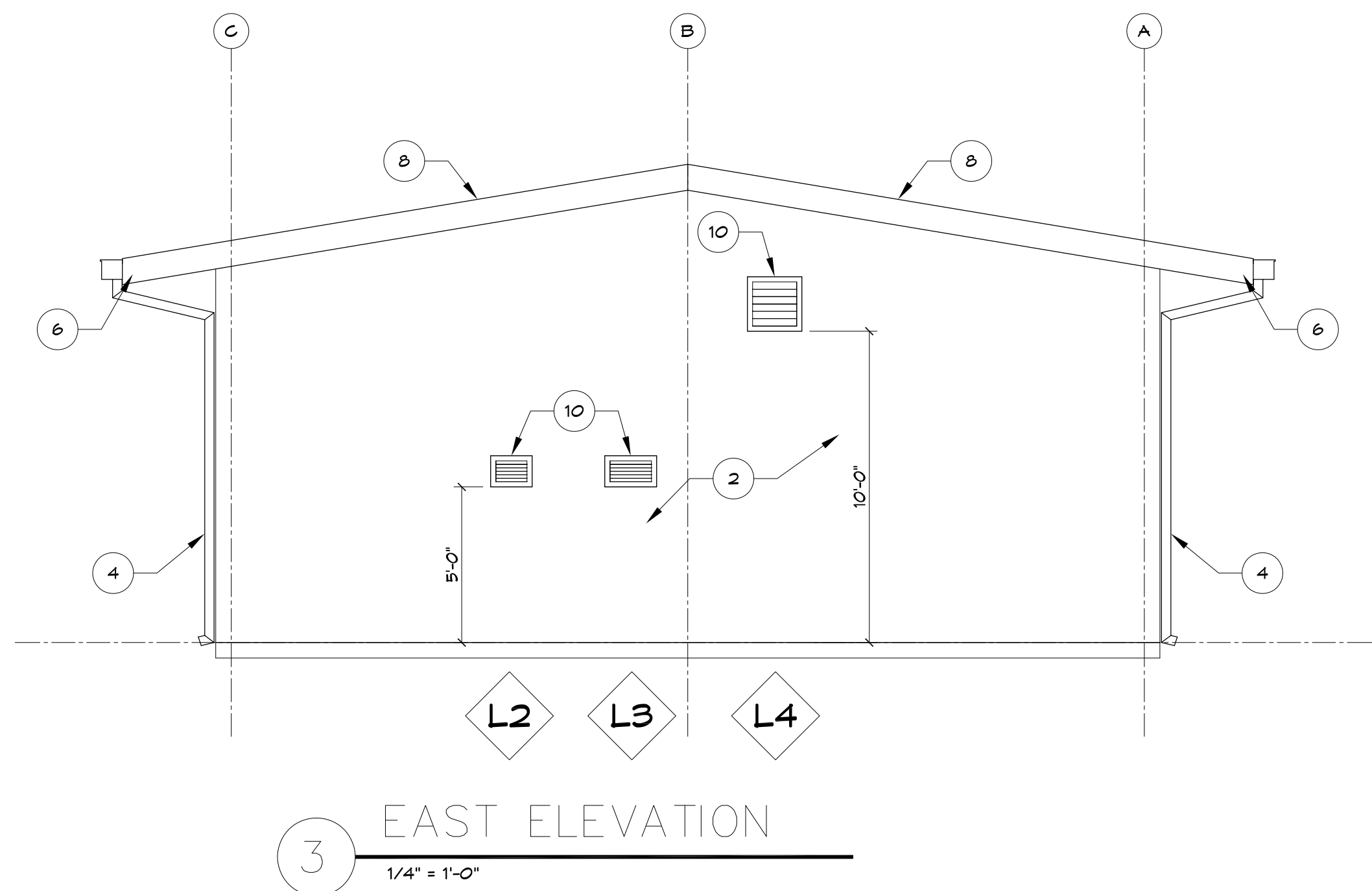
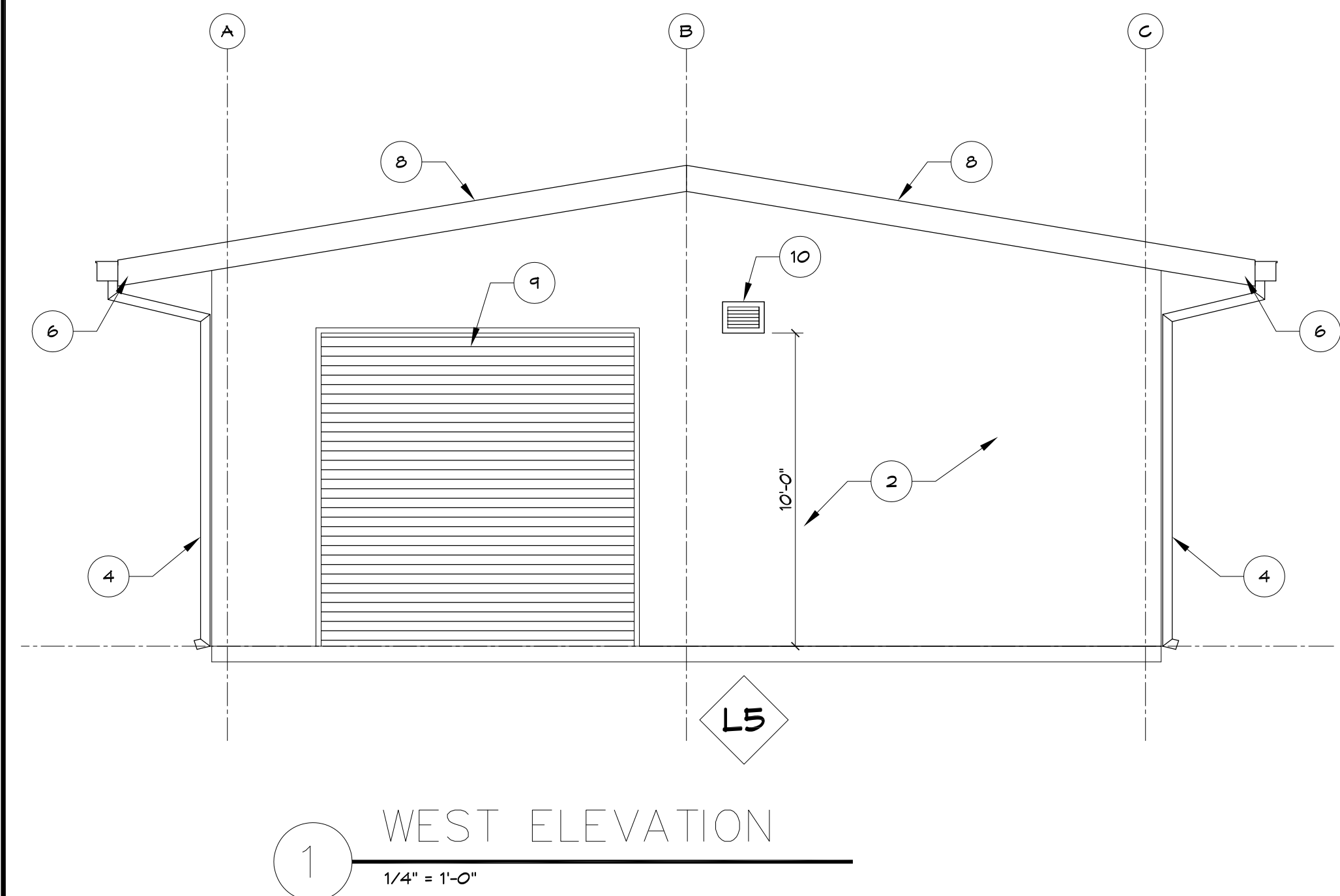
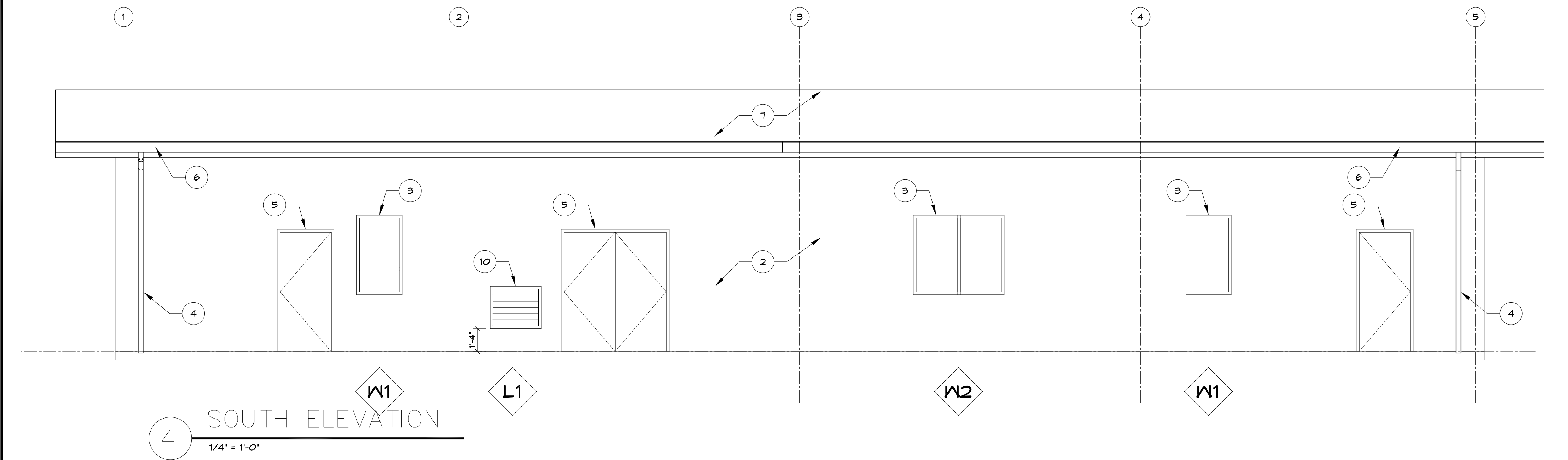
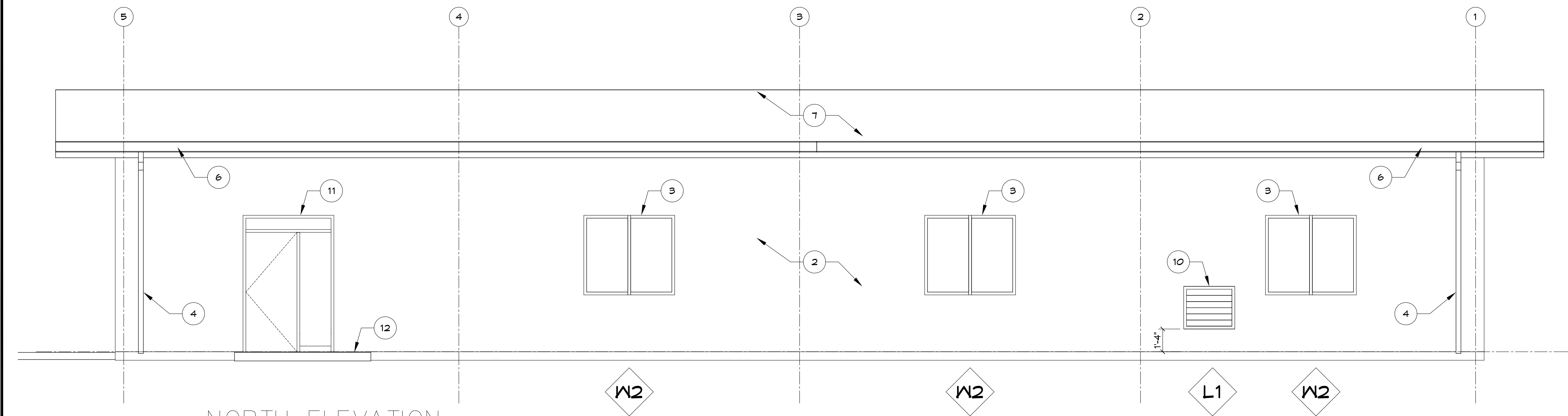
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Drawing Title  
ROOF PLAN

Project Designer	Project Number
VB	2021-002
Project Architect	Date
VB	July 19, 2023
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	Sheet Number





MODIFICATION KEY NOTES

- EXISTING DOOR AND FRAME SHALL REMAIN, CLEAN AND PAINT
- EXISTING METAL WALL PANELS SHALL REMAIN, CLEAN AND PAINT (USE KYNAR QUALITY PAINT)
- EXISTING EXTERIOR WINDOWS AND FRAMES SHALL BE REMOVED AND REPLACED WITH NEW INSULATED GLAZED WINDOWS AND ALUMINUM FRAMES
- EXISTING DOWNSPOUTS SHALL REMAIN
- EXISTING EXTERIOR DOORS AND FRAMES SHALL REMAIN UNLESS NOTED OTHERWISE, CLEAN AND PAINT
- NEW GUTTER SYSTEM TO MATCH EXISTING SIZE AND PROFILE
- EXISTING METAL ROOF PANELS SHALL REMAIN AND NEW STANDING SEAM METAL ROOF RETROFIT SYSTEM INSTALLED, SEE SPECIFICATION SECTION 07 4117 AND DRAWING SHEET A-505.
- EXISTING METAL RAKE TRIM SHALL BE REMOVED AND REPLACED
- INSTALL NEW COILING DOOR AND TRACK
- INSTALL NEW LOUVER, SEE MECHANICAL DRAWINGS FOR SIZE AND TYPE
- EXISTING EXTERIOR WINDOW AND FRAME SHALL BE REMOVED AND THE EXISTING EXTERIOR WALL BELOW WINDOW SHALL BE REMOVED TO ALLOW FOR THE INSTALLATION OF NEW DOOR, HOLLOW METAL FRAME, SIDE SOLID PANEL AND TRANSOM ABOVE NEW DOOR
- PROVIDE NEW 4" THICK CONCRETE PAD WITH 6"x6" 10/10 WWF. TURN EDGE OF CONCRETE SLAB DOWN 8"



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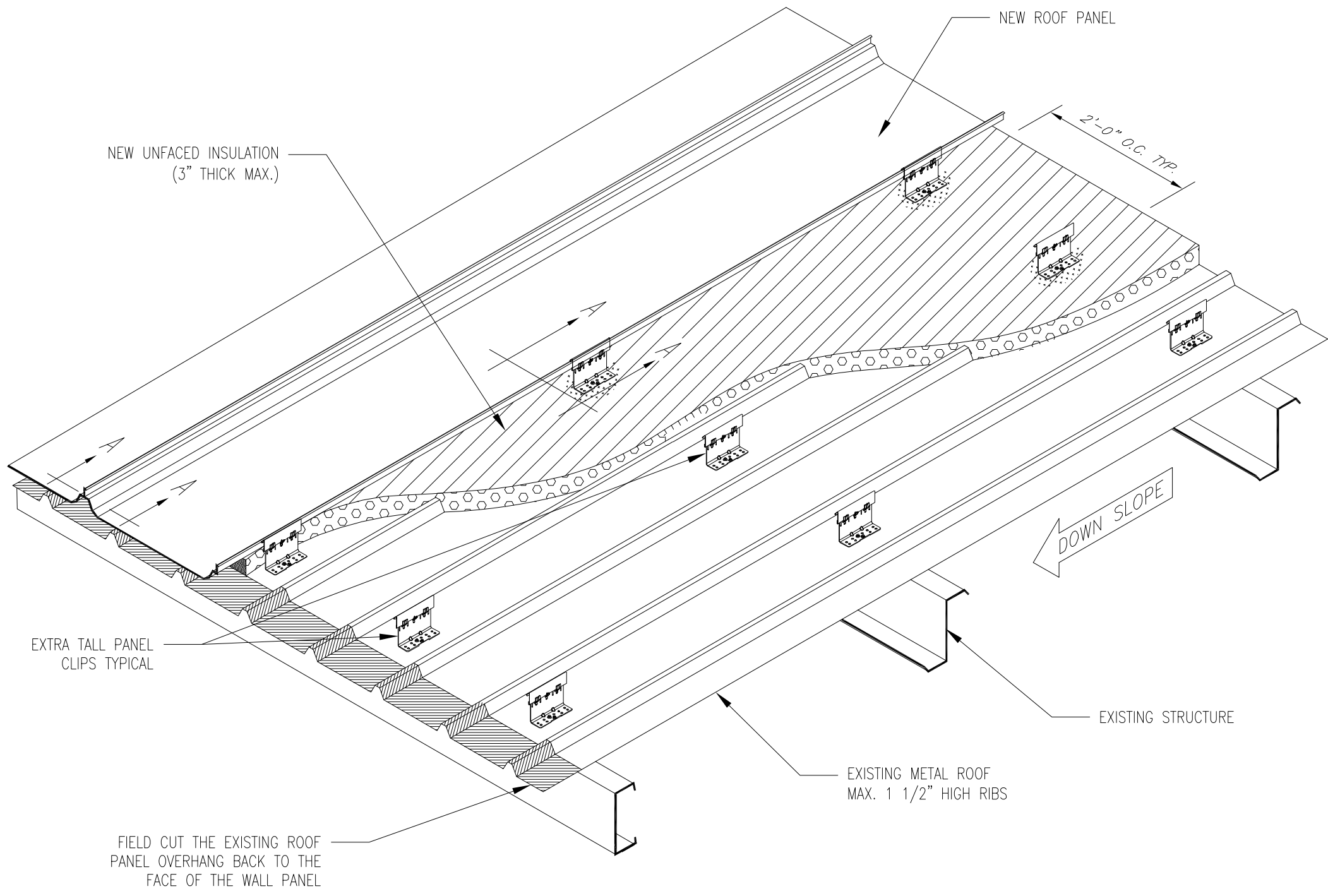
Drawing Title  
EXTERIOR ELEVATIONS

Project Designer	Project Number
VB	2021-002
Project Architect	Date
VB	July 19, 2023
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	Sheet Number

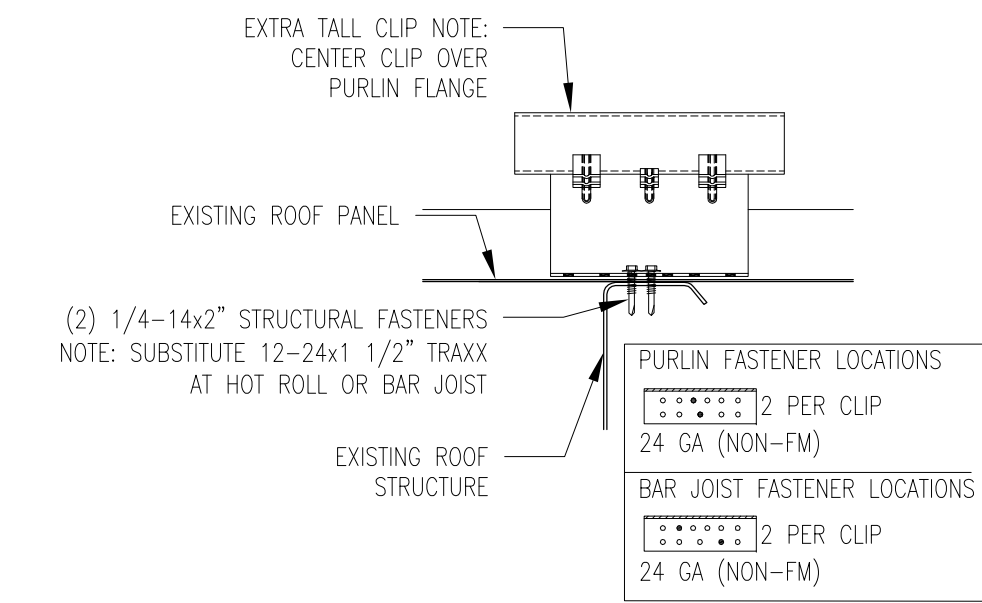
A-201

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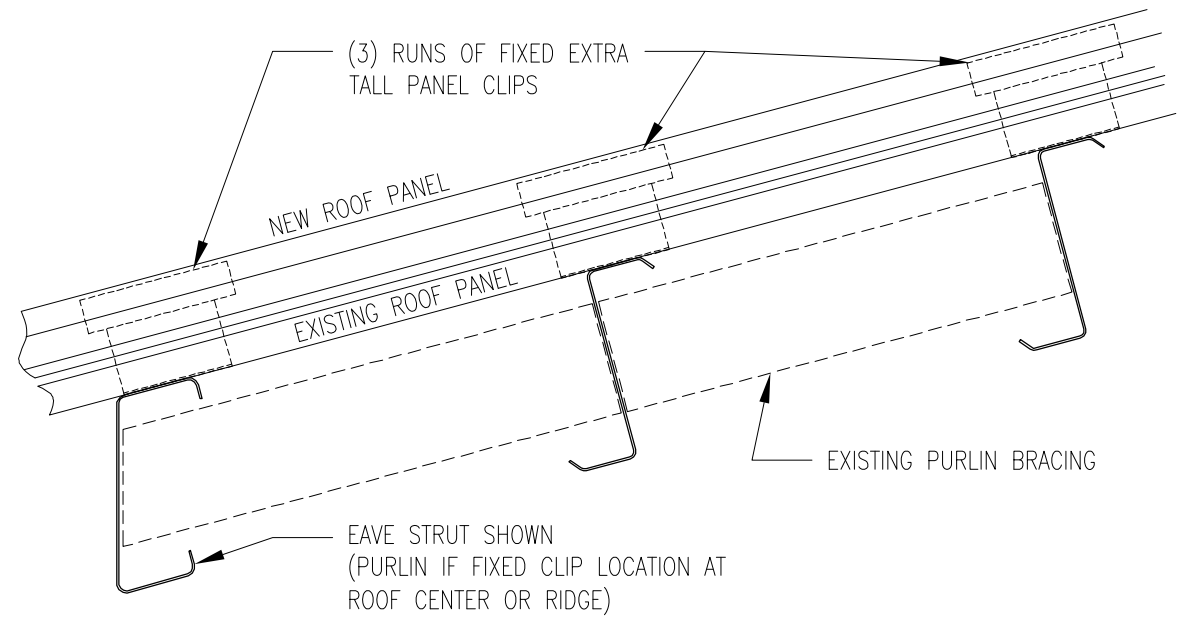


1 ISOMETRIC VIEW  
N.T.S.



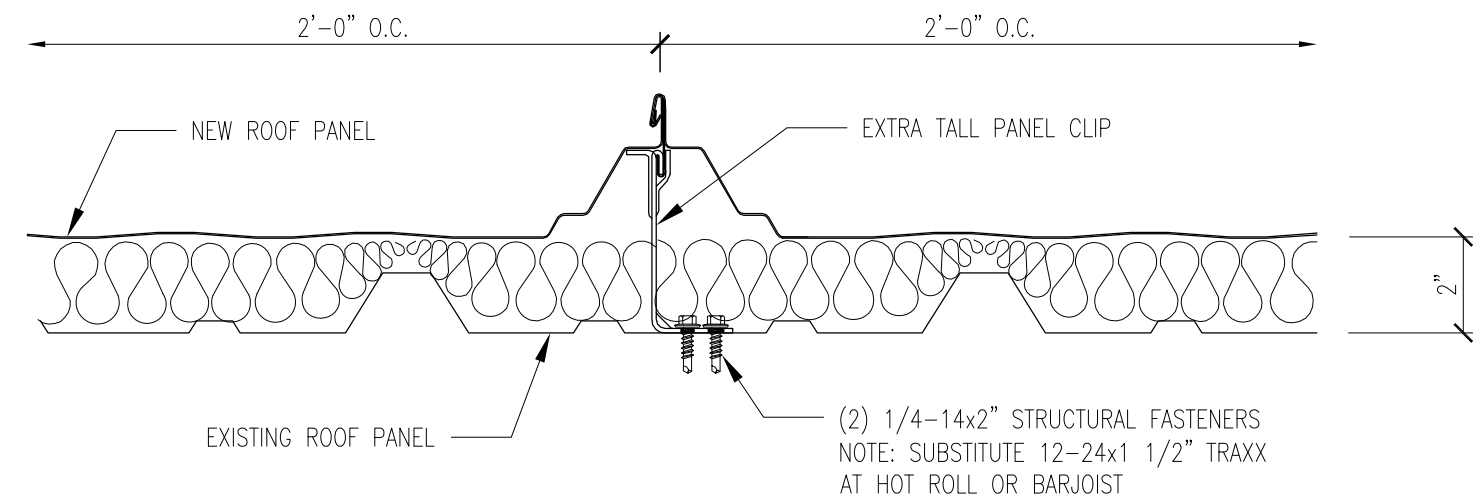
TYPICAL CLIP CONNECTION

2 ROOF DETAIL  
3\"/>



FIXED PANEL CLIPS

4 ROOF DETAIL  
3\"/>



SECTION A-A

TYPICAL CLIP TO EXISTING ROOF

3 PARTIAL ROOF SECTION  
3\"/>

### INSTALLATION NOTES:

1. FIELD CUT EXISTING PANEL OVERHANG BACK TO THE FACE OF THE WALL MATERIAL.
2. REMOVE EXISTING TRIM AS REQUIRED.
3. REMOVAL OF THE STITCH FASTENERS IN THE HIGH RIB OF THE EXISTING SHEETING MAY BE REQUIRED IF A MINIMUM OF 2\" UNFACED BLANKET IS NOT USED.
4. THE NEW PANEL CLIPS MUST BE INSTALLED 2\" ON CENTER, IN PLANE WITH THE EXISTING ROOF, AND VERTICAL TO THE EXISTING ROOF PLANE. THIS MAY REQUIRE REMOVAL OF EXISTING PANEL FASTENERS, SHIMMING, OR FLATTENING OF THE EXISTING MINOR RIBS.
5. REFERENCE EXISTING BUILDING CROSS SECTION FOR FIXED CLIP LOCATIONS.
6. FIXED CLIPS SHOULD BE MARKED WITH PAINTED TABS FOR EASY IDENTIFICATION.
7. REFERENCE MANUFACTURER'S ROOF SHEETING PLAN FOR STARTER PANEL DIMENSION.
8. INSTALL UP TO 3\" OF UNFACED BLANKET INSULATION (RECOMMENDED TO MINIMIZE ROOF RUMBLE).
9. CENTER NEW CLIPS OVER EXISTING PURLIN FLANGE.
10. PURLINS SHOWN, BARJOIST OR HOT ROLL SIMILAR.

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Drawing Title  
METAL ROOF DETAILS

Project Designer	Project Number
-	2021-002
Project Architect	Date
-	September 19, 2023
Drawn By	Scale
-	
	Sheet Number

**A-505**