



110 Armour Rd
North Kansas City, MO 64116
p. 816.300.4101
wskfarch.com

ADDENDUM

Addendum No.: **TWO 002**
Project: Johnson County Missouri – Detention Center Insulation

Project No.: 23005
Date: 11/19/2024

This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

RFP

- 1. Page 1
 - A. Revise Bid Deadline: **2:00 p.m. (CST) on Tuesday, November 26, 2024**
 - B. Revise Bid Opening: **2:30 p.m. (CST) on Tuesday, November 26, 2024**

- 2. Page 2
 - A. Revise Bid Opening: **2:30 p.m. (CST) on Tuesday, November 26, 2024**

- 3. Page 7
 - A. Add Item 4.2:

4.2 Bid Alternate One Bid: Alternate to replace insulation plus replace existing metal roofing. The Bidder agrees to furnish all material, labor, equipment, and services necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

_____ Dollars (\$_____).

 - B. Add Item 4.4: Add line item for completion days for alternate one as follows:

Bid Alternate One: Complete the Work in _____calendar days (Bidder to enter number of days) of Alternate One is accepted.

DRAWINGS

- 4. Sheet A0.00 - COVER
 - A. Add specifications for the roof panel for Alternate Bid One.

- 5. Sheet A5.01 – REFLECTED CEILING PLAN
 - A. Add general note #14:

14. ALTERNATE ONE: CONTRACTOR OPTION TO REMOVE AND REPLACE THE EXISTING ROOF SYSTEM. THIS BID INCLUDES THE ROOF, GUTTER, TRIM, DOWNSPOUT REPLACEMENT AND INSULATION REPLACEMENT. REFER TO COVER SHEET FOR PRODUCT INFORMATION.

ATTACHMENTS:

Type (Drawing or Specification)	Description	Date
RFP	Pages 1-7	11/19/2024
Drawing	Sheets A0.01, A5.01	11/18/2024

Johnson County Commission

Troy A. Matthews
Presiding Commissioner

John L. Marr
Commissioner, Eastern District

Charles Kavanaugh
Commissioner, Western District

Diane Thompson
County Clerk



Johnson County Courthouse
300 N. Holden Street, Suite 203
Warrensburg MO 64093
660-747-2112

www.JoCoCourthouse.com
CountyCommissioners@jocomo.gov

SOLICITATION TITLE: Detention Center – Roof Insulation Replacement

SOLICITATION TYPE:

- () = Full / Formal Bid for Products *or* Materials *ONLY*.
- (✓) = Full / Formal Bid for Products *and* Services.
- () = Full / Formal Bid for *Services ONLY*.
- () = Full / Formal Request for Proposals.
- () = Full / Formal Request for Qualifications.

SCHEDULE & DEADLINES:

DATE OF ISSUANCE	Tuesday, October 15, 2024
PREBID MEETING	*10:00 a.m. (CST) on Monday, November 4th, 2024 at County Sheriff's Shooting Range, located north of 278 SW 871 st Road, Centerview, MO.
FINAL QUESTIONS DEADLINE	1:30 p.m. (CST) on Thursday, November 2, 2024
PROCUREMENT SUBSTITUTION REQUEST DEADLINE	1:30 p.m. (CST) on Thursday, November 7, 2024
BID SUBMISSION DEADLINE	2:00 p.m. (CST) on Tuesday, November 26, 2024
BID OPENING	2:30 p.m. (CST) on Tuesday, November 26, 2024
ARCHITECT	Douglas Boe, RA – Principal WSKF Architects 110 Armour Road North Kansas City, MO 64116
OWNER	Johnson County Commission 300 N Holden, Warrensburg MO 64093 (660) 747-2112
PROJECT LOCATION	Johnson County Detention Center 278 SW 871st Rd, Centerview, MO 64019

* Prebid Attendees are required to complete the [Contractor Building Clearance Form](#) and return via email to: Jason Shackles jshackles@jocomosheriff.org

PAGE TABLE OF CONTENTS

1	Cover Sheet, Solicitation Title & Type, Deadlines, and Table of Contents
2	Bid Title, Submission Locations, Bidder Information, Basic Processing Information
3-4	Instructions and General Conditions
5-6	Specifications
7-8	Procurement Substitution Procedures and Bid Form
8	Bid Security Form
9	Final Compliance Checklist
10-11	Exhibit A (Procurement Substitution Requests – Submittals and Form)
12	Contractor Building Clearance Form
13-20	Davis Bacon Act – General Wage Determination
21-24	Missouri Division of Labor Standards – Annual Wage Order No. 31

Request for Bid Title/Name: **Detention Center
Roof Insulation Replacement**
PLEASE MARK YOUR ENVELOPE "**SEALED BID – DETENTION
CENTER INSULATION**"
RETURN ONE (1) ORIGINAL, FOUR (4) HARD COPIES and ONE (1)
USB COPY.

Bid Submission

Location / Mail Address: Johnson County – County Clerk
Attn: Diane Thompson, County Clerk
300 North Holden Street, Suite 201
Warrensburg, Missouri 64093
Phone: (660) 747-6161

Bid Opening

Location / Address: *2:30 p.m. (CDT) Monday, November 26, 2024*
Johnson County Courthouse – Commissioners Office
300 N. Holden Street, Suite #203
Warrensburg, Missouri 64093

The undersigned certifies their authority to bind this vendor in an agreement to supply the products, or services, in accordance with all terms, conditions, and pricing specified herein. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Warrensburg, Missouri, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

Bidder is REQUIRED to complete, sign and return this form with their submittal to our solicitation as well as **initial, by hand, all pages**. By initialing each page, you are acknowledging having thoroughly read and agreeing to each item on the page, any page not initialed will be considered non-responsive and may be disqualified. *An authorized signature and email address, printed clearly is mandatory, lack thereof *may* result in a determination of "Non-Responsive" and disqualify from participation.

Company Name

Authorized Person (Print)

Address

*Signature

City / County / State / Zip

Title

Telephone #

Fax #

Date

Federal Tax ID #

*E-mail (MUST be legible.)

Entity Type (Corporation, LLC, Sole Proprietor,
Partnership)

BASIC PROCESSING INFORMATION:

All formal invitations for bid are handled by the Johnson County Clerk.

Sealed bids cannot be emailed and must either be delivered by hand, courier, or U.S.P.S.

Read ALL solicitation documents closely. Note any/all special dates and submit your response as soon as possible. See Item 1.15 for the process to submit questions.

1. INSTRUCTIONS AND GENERAL CONDITIONS

- 1.1. Sealed & Marked: Responses must be submitted in a sealed envelope or box with the outside marked as indicated on page 2 with a return name & address. No fax or electronic transmitted responses will be accepted.
- 1.2. Submittal: Sealed responses may be submitted to the Johnson County Clerk until the bid submission deadline and time indicated herein, subject to Instructions and General Conditions and any special conditions. Sealed Responses must be delivered before “Bid Submission Deadline” as listed on page one, to the Johnson County Clerk as listed on page two. It is the Bidder’s responsibility to ensure responses are delivered in a timely fashion to the Clerk’s Office. Courier or hand delivery is recommended.
- 1.3. Late Packages: The County will not accept any response received after the bid submission deadline time. Late arrivals are considered “NON-RESPONSIVE” and will not be opened or returned.
- 1.4. Opening: Bids will be opened publicly at “Opening Date/Time” and read aloud. All responses will be considered public information as soon as they are opened and become a part of the public record to be released to any person or firm who formally requests a copy.
- 1.5. Award/Timeline: Recommendation for award will be made formally by the Johnson County Commission as soon as possible after a complete review.
- 1.6. Withdrawals: Responses may be withdrawn on written request from the Bidder at the address shown prior to the time of acceptance of the response. Once a response is opened, and accepted, it can only be withdrawn by order of the Johnson County Commission.
- 1.7. Bidder Expenses: This County is not responsible for any expenses which Bidders may incur in estimating, inspecting, or preparing information to respond to this solicitation.
- 1.8. Presentations/Inspections: The County reserves the right to conduct personal interviews of or require presentations, inspections, from any/all Bidders prior to selection. The County will not be liable for ANY costs incurred by the Bidder in connection with such interviews, presentations, or inspections.
- 1.9. Bid Term: All Responses submitted shall be binding and remain firm for ninety (90) calendar days following the opening, unless otherwise indicated. Pricing/Costs submitted with a response must be honored for that set timeframe. Submitted pricing, once opened, cannot be changed for any reason. Any such changes will disqualify that response.
- 1.10. Bid Rejection: The Johnson County Commission reserves the right to reject any or all responses when such rejection is in the best interest of the County.
- 1.11. Payment Terms: Standard payment terms are *Net 30* after receipt of an invoice. The County cannot, and will not, agree to any other payment terms. Once products, or services, are received and accepted, Johnson County will process payment in full. Invoices need to be issued and mailed to the requesting department - not to the Clerk. Requests for credit applications and deposits are not necessary and will – in most cases – not be processed or accepted.
- 1.12. Alterations: Any alterations, changes, lining out, or margin notes to any items within these instructions may result in the response being disqualified.
- 1.13. Bid Results: Bid results are posted on the County website at: <https://jococourthouse.com/bids.html> Please do not call for results. An email address, not a website, **MUST** be provided in order to receive award results. Final award results are by email only and will be emailed to all responding Vendors.
- 1.14. Questions: All questions regarding this solicitation must be submitted to Doug Boe via email by the time indicated on page 1. Any/all solicitation questions that result in modifications will be prepared as Addenda with answers and explanations to cover any/all new issues.

- 1.15. Addendum: If it becomes necessary to revise any part of this solicitation due to a significant question received which could impact specifications; a written Addendum will be issued to explain any new/necessary modifications. Addenda are valid only for this RFB if in writing and issued by WSKF Architects. Any necessary Addendum will be emailed as close as possible to the day following the question submission deadline to all parties who had previously been part of the original Direct Bid Invitation email or had made email contact during the open questioning timeframe. Any necessary Addendum will be posted on the Johnson County website with the original solicitation. When an Addendum is necessary, Bidders are required to formally respond. Follow the instructions as indicated in the Addendum.
- 1.16. Response Content: In order to enable direct comparison of competing responses, Bidders must submit responses in strict conformity to the requirements stated herein. Failure to adhere to all requirements may result in Bidder's Response being disqualified as non-responsive. All responses must be submitted using the forms provided herein. Every question should be answered. If not applicable, the section should contain "N/A."
- 1.17. Award of Contract: Any award agreement shall take effect upon the approval by the Johnson County Commission. If at the time this contract is to be awarded, the lowest base bid submitted by a responsible bidder does not exceed the amount of funds then estimated by the Owner as available to finance the contract; the contract will be awarded on the base bid only. If such bid exceeds such amount, the Owner may reject all bids or may award the contract on the base bid combined with such deductible alternates applied in numerical order in which they are listed in the Form of Bid, as produces a net amount which is within the available funds.
- 1.18. Agreement: The selected vendor(s) will be required to enter into a written agreement with the County, in cooperation with the County's Legal Services Department and completed to the mutual satisfaction of the parties, consistent with the RFB and response. The RFB and response documents submitted by the successful Bidder will become a part of any contract award as a result of this solicitation. These signed documents will be binding. Bidder shall initial all pages where the document denotes "Bidder's Initials: ___" at the bottom of the page after completing said page. Any responses not complying with this condition may be considered non-responsive.
- 1.19. Advice of Award: The County's Responses, Bid Tabulations, and Bid Award information may be viewed on our website at <https://jococourthouse.com/bids.html> If a Vendor wants a copy of the bid tabulation they must include a direct email address, not website, in order to receive results.
- 1.20. Response Clarification: The County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of responses.
- 1.21. Rejection or Correction of Responses: Minor irregularities or informalities in any response which are immaterial or inconsequential in nature, neither affected by law nor at substantial variance with bid conditions, may be waived at the County's discretion whenever it is determined to be in the best interest of Johnson County, Missouri.
- 1.22. Evaluation Process: The County's sole purpose in the evaluation process is to determine from among the responses received which one is best suited to meet the County's needs at the lowest possible cost.
- 1.23. Acceptability: The County reserves the sole right to determine whether goods and/or services offered are acceptable for County use.
- 1.24. Sunshine Law: All responses to this request will be considered public information as soon as they are opened and become a part of public record subject to disclosure to any person or firm that requests it. Requests for copies of responses, must be made through the Johnson County Clerk's Office (660-747-6161) by submitting a Public Service Request Form (PSR). Charges for time spent as well as a cost per page apply and may be collected prior to the making of copies.

2. SPECIFICATIONS

Johnson County Commission will accept and review responses to this RFB in an effort to select a qualified bidder for the Johnson County Detention Center – Roof Insulation Replacement. The Johnson County Detention Center is located at 278 SW 871st Road, Centerview, Missouri 64019.

Project Description: Project consists of removal of the existing metal building roof insulation and replacement with new fiberglass batt insulation with reinforced vinyl face liner and banding system. This project is in a secure detention facility and all workers are required to adhere to all security protocol as instructed by Johnson County Sheriff's Department.

The Johnson County Detention Center is owned and operated by the County and this project is considered a tax exempt. Do not include Federal Excise Tax or Sales and Use Taxes in Bid process, as the County is exempt. Prevailing wage will be required on the project. The contractor will be responsible for compliance with any and all Missouri labor, environmental, and transportation laws, and Federal Davis Bacon Act, as applicable. All fees for plans and permitting are the responsibility of the General Contractor.

This project is partially funded by the American Rescue Plan Act (ARPA) State and Local Recovery Funds (SLFRF) County Jail Maintenance and Improvements Grant (CJMI).

2.1. Scope of Work.

- 2.1.1. The work encompasses work in four buildings at the Detention Center campus. The buildings are constructed of PEMB (pre-engineered metal building) construction and the existing vinyl faced roof insulation has deteriorated from age and various roof leaks over time. The metal roof received a new coating system approximately one year ago. The current insulation is primarily located in open areas, but some sections are placed over ceilings that are scheduled to stay.
 - 2.1.2. The existing insulation is to be removed and replaced with new fiberglass insulation and reinforced vinyl faced liner and banding system to be installed between and under the existing metal building purlins.
 - 2.1.3. All ceiling suspending mechanical, electrical, plumbing, security, etc. equipment/construction is to remain. It is the responsibility of the contractors to remove and re-secure any existing construction as necessary to complete the work.
 - 2.1.4. Refer to the construction drawings for information on product information for new insulation.
 - 2.1.5. Refer to the construction drawings for information on the existing building, scope of work and various information on existing conditions. The drawings general describes the scope and conditions of the buildings but do not show all existing conditions/construction and it is the responsibility of the contractors to visit the buildings and familiarize/verify all existing construction and conditions.
- 2.2. Procurement Document Availability: Request for Bid and Construction Documents, will be made available on the Johnson County, Missouri website at <http://www.jococourthouse.com/bids.html>
- 2.3. Conditions of Work: Each Bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible the contractor, in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.
- 2.4. Prebid Meeting: An optional in person Prebid meeting for all potential bidders will be held at the County Sheriff's Shooting Range just north of 278 SS 871st Road, Centerview, MO. Prospective prime bidders are highly encouraged to attend. A project walk-thru will follow the Prebid meeting at the Detention Center buildings.
- 2.5. All contractors attending the Prebid and walk-thru are required to fill out and return to the Sheriff's office the attached Contractor Building Clearance Form and return via email to: Jason Shackles jshackles@jocomosheriff.org

- 2.6. Bidder's Questions: Bidder's questions concerning any specifications, construction documents, or requested product technicalities, must be issued, in writing, to the Architect in writing no later than 1:30 p.m. on Thursday, November 7, 2024. Please use the below information to contact the Architect:

Doug Boe, Principal
WSKF Architects
dboe@wskfarch.com
Ph: 816-300-4101

All responses to questions will be issued through an addendum.

- 2.7. Prevailing Wage: Not less than the prevailing hourly rate of wages, as set out in the Missouri wage order (attached) and the Federal Davis-Bacon Act (attached) whichever wage rate is higher; and made part of the specification for work under the contract, shall be paid to all workers performing work under the contract.
- 2.7.1. Posted Wage Rates: A legible list of all prevailing wage rates must remain posted in a prominent and easily accessible place at the worksite by each contractor and subcontractor on the project. The notice must be posted during the full time that any worker is employed on the job (Section 290.265, RSMo).
- 2.7.2. Prevailing Wage Project Notification will be completed by Contractor for County to submit to Division of Labor Standards prior to work beginning. <https://labor.mo.gov/media/pdf/pw-2-ai>
- 2.7.3. Contractor Payroll Records (fully executed) will be submitted weekly to the Johnson County Clerk's office during project work. <https://labor.mo.gov/media/pdf/ls-57-ai> Contractor Payroll Records (fully executed) will be submitted weekly to the Johnson County Clerk's office during project work. <https://labor.mo.gov/media/pdf/ls-57-ai>
- 2.7.4. Compliance with the Prevailing Wage Law Affidavit will be completed by Contractor and submitted to the Johnson County Clerk's office. <https://labor.mo.gov/media/pdf/pw-4-ai>
- 2.7.5. Contractor's Wage Summary will be completed and submitted by the Contractor to the Division of Labor Standards. <https://labor.mo.gov/media/pdf/ls-04-ai>
- 2.8. Time of Completion: Successful Bidder shall begin the Work on receipt of the Notice to Proceed and shall complete the Work within the Contract Time, anticipated to be four months.
- 2.9. Bidder Qualifications: The Owner may make such investigations as he deems necessary to determine the ability and qualifications of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the owner that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

3. PROCUREMENT SUBSTITUTION PROCEDURES

Architect's approval of a substitute during bidding does not relieve Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents.

3.1. Definitions

- 3.1.1. Procurement Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Procurement and Contracting Documents, submitted prior to receipt of bids. See "Exhibit A" of the Request for Bids for process and form.

3.2. Quality Assurance

Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers. Burden of proof is on the General Contractor.

3.3. Procurement Substitutions

- 3.3.1. Procurement Substitutions, General: By submitting a bid, the Bidder represents that its bid is based on materials and equipment described in the Procurement and Contracting Documents, including Addenda. Bidders are encouraged to request approval of qualifying substitute materials and equipment when the Specifications Sections list materials and equipment by product or manufacturer name.
- 3.3.2. Procurement Substitution Requests will be received and considered by Owner when the following conditions are satisfied, as determined by Architect; otherwise requests will be returned without action:
 - 3.3.2.1. Extensive revisions to the Contract Documents are not required.
 - 3.3.2.2. Proposed changes are in keeping with the general intent of the Contract Documents, including the level of quality of the Work represented by the requirements therein.
 - 3.3.2.3. The request is fully documented and properly submitted.

4. BID FORM – STIPULATED SUM (SINGLE-PRIME CONTRACT)

Interested parties should complete the following information requests, with their lowest possible prices. All blank spaces for bid prices must be filled in, in ink or typewritten, in both words and figures, and the foregoing Certifications must be fully completed and executed when submitted.

- 4.1. Base Bid, Single-Prime (All Trades) Contract: The Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by WSKF Architects, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled unit costs, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

_____ Dollars
(\$ _____).

- 4.2. *Bid Alternate One Bid: Alternate to replace insulation plus replace existing metal roofing. The Bidder agrees to furnish all material, labor, equipment, and services necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:*

_____ Dollars
(\$ _____).

- 4.3. Bid Guarantee: The Bidder, agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 business days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

_____ Dollars
(\$ _____).

In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond

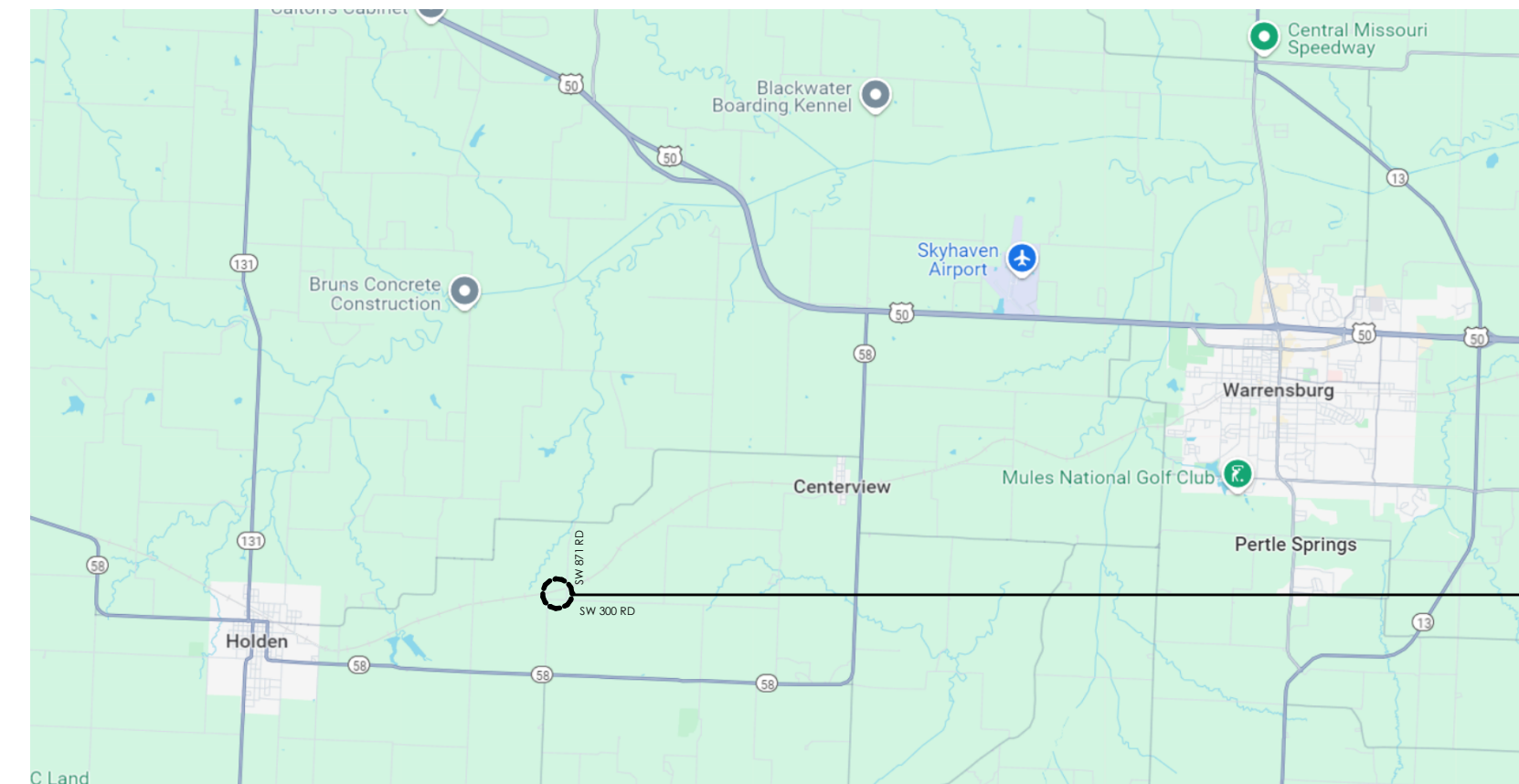
- 4.4. Time of Completion: The Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by the Owner and will: Complete the Work in _____ calendar days (Bidder to enter number of days).
Bid Alternate One: Complete the Work in _____ calendar days (Bidder to enter number of days) of Alternate One is accepted.

- 4.5. Mobilization Time: After award and contract signing it is anticipated 30 days mobilization period to allow Sheriff's Department to make the facility available for construction activities. Successful contractor shall work with the County to make necessary arrangements to preparation of site for construction activities.

JOHNSON COUNTY DETENTION CENTER

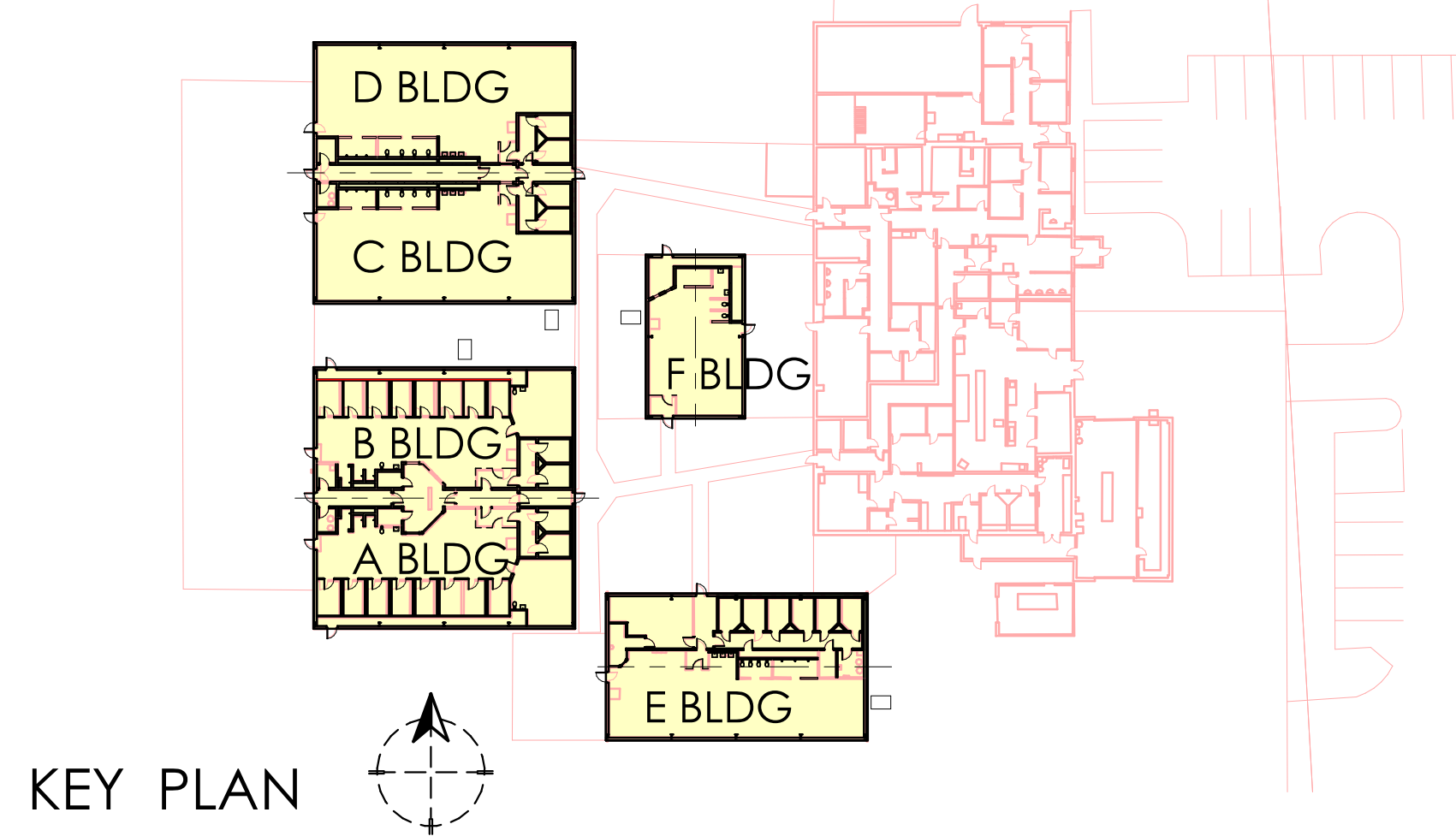
ROOF INSULATION REPLACEMENT

CONSTRUCTION DOCUMENTS



LOCATION MAP

PROJECT LOCATION:
278 SW 871
CENTERVIEW, MO 64019



KEY PLAN

DRAWING LIST

- A0.00 COVER SHEET
- A1.01 FLOOR PLAN
- A5.01 CEILING PLANS

SYMBOLS

- Detail Number: A5 (A101) SIM
- Detail Section: A5 (A101)
- Sheet Number: A5 (A101)
- Building Section: A5 (A101) SIM
- Sheet Number: A5 (A101)
- Callout: 1 (A102) SIM
- Sheet Number: 1 (A102)
- Elevation: A1 (A101)
- Sheet Number: A1 (A101)
- Room Name: Room name
- Room Designation: Room number (101)
- Room Number: 101
- Door Number: 101
- Wall Type: S3AA.1
- Window Designation: A
- Keynote Designation: I
- Spot Elevation: A
- Revision Symbol: A

JOB NUMBER 23005

JOHNSON COUNTY DETENTION CENTER
ROOF INSULATION REPLACEMENT

278 SW 871
CENTERVIEW, MO 64019

JOHNSON COUNTY MISSOURI
110 Armour Road North Kansas City, Missouri 64116 Tel: 816.300.4101

SPECIFICATIONS:

FACED METAL BUILDING INSULATION

Remove and replace the existing metal roof system as indicated on drawings and by provisions of this section and is defined to include metal roof panels, roof insulation, eave and gable trim, gutters and downspouts, roof mounted equipment curbs, plumbing vent flashings, sealants, fasteners, and miscellaneous flashings, closures and accessories directly related to the metal roof system.

Vapor-Retarder Facing: For metal building, the facing should comply with ASTM C 1136, with permeance not greater than 0.02 perm (1.14 ng/N x s) when tested according to ASTM E 96/E 96M, Procedure A.

Basis-of-Design Product: Subject to compliance with requirements, provide Lamtec Corporation; **Lamtec WMP-50** or a comparable product by one of the following:

- a. Raven Industries.
- b. Reef Industries.

Facing: Lamtec WMP-50.

Composition: 0.0005 inch (12.7 micron) white metallized polypropylene film laminated to a fiberglass/polyester blend fabric with a fire resistant adhesive.

1. Performance:
 - a. Water Vapor Permeance: 0.02 perm (1.15 ng/N x s) per ASTM E 96, Procedure A.
 - b. Mullen Burst: 120 psi (8.4 kg/cm²).
 - c. Tensile Strength: 65 lbs/inch (11.4 kN/m) in the machine direction and 60 lbs/inch (10.5 kN/m) in the cross-machine direction.
 - d. Compliance: ASTM C 1136; ASTM C 991; ASTM E 84; ASTM E 96; ASTM C 1258; ASTM C 1338; Factory Mutual (FM) 4880; and UL 723.
2. Vapor Retarder Tape: Pressure-sensitive tape of type recommended by the vapor retarder or tape manufacturer for small repairs and sealing around penetrations in vapor retarder. Should match the vapor retarder selected above.

FILLED CAVITY METAL BUILDING INSULATION SYSTEMS

U-Factor: 0.047.
1) Faced Bottom Layer: R-21.
2) Purlin Depth: 8 inch (203 mm).

1. Description: High Performance Single Layer Filled Cavity roof insulation systems.

Components:

- a. Fiberglass Insulation: Complying with NAIMA 202-96 specification.
 - 1) Installed parallel to, and between purlins.

Insulation: Metal Building Insulation with a Vapor Retarder Facing.

Facing: Lamtec Corporation; **WMP-50** covering interior face of insulation.

Faced Bottom Layer Composite Surface Burning Characteristics: Flame spread index of 10 or less and a smoke developed index of 30 or less per ASTM E 84 or UL 723.

Metal Banding:

1. Minimum 3/4 inch (19 mm) wide, installed under and perpendicular to purlins, 30 inches (762 mm) o.c. (nominal spacing) on the interior side.
2. Banding Screws: Minimum 1/2 inch (13 mm) hex-head TEK screws.

ALTERNATE ONE SPECIFICATION:

METAL ROOFING PANELS

Remove and replace the existing metal roof system as indicated on drawings and by provisions of this section and is defined to include metal roof panels, roof insulation, eave and gable trim, gutters and downspouts, roof mounted equipment curbs, plumbing vent flashings, sealants, fasteners, and miscellaneous flashings, closures and accessories directly related to the metal roof system.

Manufacturer's standard components shall be used provided components, accessories, and complete structure conform to design appearance shown and to specified requirements.

QUALITY ASSURANCE

- A. Design Criteria:
 1. Minimum Design Standard: Design structural members, roofs and walls for applicable loads and combination of loads in accordance with Metal Building Manufacturer's Association (MBMA) "Recommended Design Practices Manual".
 2. Design: The roof system shall be designed to sustain the specific loads in accordance with the IBC, which shall meet or exceed the County Climatic Data, as published in the MBMA Low Rise Building Systems Manual. The basic design gravity loads are indicated on the drawings, and wind uplift loadings shall be calculated from a basic wind speed of miles per hour in accordance with ASCE 7. Components of the roof system shall meet the design loads as described above, and applied in load combinations as specified in the IBC, without exceeding the allowable working stresses.
- B. Wind Uplift:
 1. Metal roof system shall be a system that has been tested and approved by Underwriter's Laboratory as Class 90.
 2. Metal roof system shall be tested in accordance with the US Army Corps of Engineers Guide Spec 07416 (Test Method for Structural Performance of Standing Seam Roof System by Uniform Static Air Pressure Difference). The roof system shall have fully documented certification by an independent laboratory that the test was conducted and shall include ultimate and allowable system uplift capacities for both the "field" of roof and "areas of discontinuity".
 3. Metal roof system shall be tested in accordance with ASTM E-1592 "Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference".
- C. Installer: Metal roof system installer shall be a firm that has been regularly engaged in the installation of pre-engineered metal roofing systems for a minimum period of five (5) year continuously prior to the bid date. The contractor shall be an authorized and franchised dealer of the metal roofing system manufacturer capable of showing successful installation similar to work required for this project.

D. Manufacturer must be certified under current AISC-MB category.

SUBMITTALS

- A. Production Data: The Manufacturer shall submit product information, specifications, and installation instructions for building components, accessories, and insulation.
- B. Shop Drawings: The Manufacturer shall submit complete erection drawings showing roof framing, transverse cross sections, covering and trim details, and accessory installation details to clearly indicate proper assembly of building components.
- C. Structural Certification: The Manufacturer shall submit written certification prepared and sealed by a Professional Engineer, registered to practice in the state of Missouri, verifying that the metal roof system design meets indicated loading requirements and codes of authorities having jurisdiction.
- D. The Manufacturer shall submit certification verifying that metal roofing system has been tested and approved by Underwriter's Laboratory as Class 90.
- E. Dealer Certification: The Manufacturer shall submit certification one week prior to bid date that the pre-engineered metal roof system contractor is a manufacturer's authorized and franchised dealer of the system to be furnished. Certification shall state date on which authorization was granted.
- F. Installer Certification: The Contractor shall submit documentation one week prior to bid date that the metal roof systems installer has been regularly engaged in the installation of metal roofing systems of same or equal construction to system specified for a minimum of five years.
- G. Submittal Samples: For a non-listed, non-pre-approved roof system, the Contractor shall submit two (2) samples each of the following for the Specifiers review. Samples will be used as basis for evaluating quality of finished roofing system.
 1. Twelve inch long by actual width of roofing with required finishes.
 2. Fasteners and panel clips used for the application of roofing.
 3. Sealants and closures.
 4. Twelve inch long min. x 12 inch wide min. of actual standing seam side lap seams for both sides of a typical panel.
 5. Length and width as required for actual standing seam roof panel and lap seam including stiffeners and fasteners and side lap seams both sides of typical panel.

DELIVERY, STORAGE, AND HANDLING

Deliver and store prefabricated components, panels, and other manufactured items so they will not be damaged or deformed. Stack materials on platforms or pallets, covered with tarpaulins or other suitable weatherlight, ventilated covering. Store metal roof panels so that water accumulations will drain freely. Do not store panels in contact with other materials, which might cause staining, which may damage the roof system.

WARRANTIES

- A. Provide manufacturer's written weatherlightness warranty for a minimum of twenty-five (25) years against leaks in roof panels arising out of or caused by ordinary wear and tear under normal weather and atmospheric conditions. The warranty shall be signed by both the metal roof system manufacturer and the metal roof system contractor.
- B. Provide manufacturer's standard written paint film warranty for twenty-five (25) years on finish film integrity and color retention. The finish will not crack, check, peel, flake, or blister, or chalk in excess of ASTM D659, number 8 rating, or fade in excess of 5 units per ASTM D2244, under normal atmospheric conditions. The warranty shall be signed by the metal roof system manufacturer.
- C. Provide manufacturer's standard written warranty for twenty-five (25) years on the Galvalume coated steel material. The Galvalume coated steel will not perforate under normal atmospheric conditions. The warranty shall be signed by the metal roof system manufacturer.

INSPECTIONS AND JOB CONTROL

- A. A qualified technical representative of the manufacturer shall be available to make recommendations necessary to insure compliance with the specifications and to make recommendations where unforeseen conditions become apparent to the Specifier.
- B. As soon as all construction under this Section, as well as any construction which could in any way affect construction under this Section, has been completed, a final inspection of the roof system shall be made by a qualified representative of the roof system manufacturer.

MAINTENANCE INSTRUCTIONS

At the time of issuance of the warranty, a full set of instructions shall be included detailing preventative maintenance and noting a list of harmful substances, which may damage the roof system.

PRODUCTS: GENERAL PRODUCT INFORMATION

Manufacturer: Provide metal roof system by Butler Manufacturing or pre-approved equal subject to conformance to all requirements indicated on drawings and specified herein.

MR-24 Roof System

Butler Manufacturing
Kansas City, Missouri

MATERIALS

- A. Hot-Rolled Structural Shapes: ASTM A36 or A529.
- B. Tubing or Pipe: ASTM A500, Grade B; ASTM A501; or ASTM A53.
- C. Members Fabricated from Plate or Bar Stock: 50,000 psi minimum yield strength; ASTM A529, A570, or A572 or A607.
- D. Members Fabricated by Cold Forming: ASTM A653 G-30, Grade 50 with clear acrylic finish.
- E. Galvanized Steel Sheet: ASTM A446 with G90 coating; "Class" to suit building manufacturer's standards.

ROOFING AND SIDING

- A. General: Provide roofing sheets roll formed to profile indicated and specified. Provide flashings, closures, metal expansion joints, ridge covers, roof panel mounting clips, thermal blocks, gable and eave trim, gutters, and other sheet metal accessories factory formed and finished. Material and finish shall be as specified.
 1. Allowances for thermal expansion: Pre-engineered metal roof system shall be designed, fabricated, and installed to allow relative movement between roof panels and purlins, gables and ridges due to thermal expansion and contraction without causing damage to the system or permanent deformation to any of the system components. Roof panel end laps shall allow panels to expand and contract without damage to end lap splices. Roof panels are pre-punched to provide minimal thru-panel fastener locations. Roof panel endlaps must be staggered to insure a continuous unbroken panel through each endlap seam.
- B. Roof Panels: 24 gage x 2'-0" nominal width, factory roll formed, steel (42,000 PSI min. yield) sheet. Panel lengths shall be maximum possible to minimize end laps. Panels shall have two (2) major corrugations 2" high (2 3/4" including final seam), 24" on center and minor corrugations spaced 6" o.c. maximum between and perpendicular to major corrugations.
 - a. Clean G-90 galvanized steel (1.25 ounces zinc coating per ASTM A525) with an alkaline compound and seal with a chromic acid rinse.
 - b. Apply to exterior surfaces of pretreated galvanized steel a fluoropolymer coating system to provide a total dry film thickness of 0.90 mils minimum. Color shall be as selected by Specifier from manufacturer's standards.
 - c. Interior finish of roof panels shall be same as exterior finish or may be polyester color coat at manufacturer's option.
- C. Roof Panel Side Laps: Panels shall be designed to provide full 360-degree (Pittsburgh) double lock seam lapped seams, or friction fit seams will not be acceptable. Friction applied sealant shall be provided in the female portion of the seam.

ROOFING AND SIDING

3. Roof Panel End Laps: Panel end laps, when required, shall be at least 6", sealed with high quality butyl rubber sealant and fastened together with clamping plates. Butyl rubber sealant shall contain hard nylon spacer beads to insure the required amount of sealant retained in the panel end lap joint. The panel end lap shall be joined by means of a bottom reinforcing plate with welded stainless steel studs and a top aluminum panel roof. Roof panels shall be pre-punched or pre-drilled and pre-notched where end lap splices occur. Pre-punching or pre-drilling and pre-matching may be performed in the field provided hole locations are carefully controlled to assure accurate modular spacing of roof panels side laps and accurate alignment of holes at endlap seams and at panel to eave strut connections. Endlaps shall occur directly over, but not fastened to, a supporting secondary structural member in order to fully support the panel end laps under roof loading and to prevent endlap failure caused by cantilevering of end laps off of the supporting structural member. End laps of adjacent roof panels shall be staggered to avoid a four-panel joint and to insure a continuous panel sidelap through every panel splice joint.
- C. Standing Seam Roof Panel Mounting Clip: 16-gage galvanized steel clip base with 24-gage stainless steel sliding clip tab. Galvanized clip base shall be pre-punched or pre-drilled for mounting to pre-punched or pre-drilled holes in the roof secondary structural members. Sliding clip tab shall be designed to lock into and become an integral part of the roof panel (Pittsburgh) double lock seam. Provisions shall be incorporated into mounting clip assembly to keep sliding clip tab centered on mounting clip during the installation of roof panels.
- D. Sheet Panel Fasteners: Manufacturer's standard system of self-tapping screws, bolts and nuts, self-locking rivets, self-locking bolts, end-welded studs, and other suitable fasteners designed to withstand design loads. Self-drilling fasteners are not acceptable.
 1. Provide metal-backed EPDM gasketed washers under heads of fasteners bearing on weathering side of panels.
 2. Use stainless steel fasteners for exterior application and galvanized or cadmium-plated fasteners for interior applications. Lockwashers where required shall be aluminum or stainless steel.
 3. Locate and space fasteners for true vertical and horizontal alignment. Use proper type fastening tools to obtain controlled uniform compression for positive seal without rupture of the EPDM sealing gasket.
- E. Flexible Closure Strips: Closed-cell, expanded cellular rubber, self-extinguishing, cut or pre-molded to match corrugation configuration of roofing sheets. Provide where indicated and necessary to ensure weatherlight construction. Foam closures of any kind are not acceptable.
- F. Sealing Tape: 99% solids, pressure sensitive grey polyisobutylene compound tape with release paper backing. Not less than 1/2" wide and 1/8" thick, non-sag, non-toxic, non-staining and permanently elastic. Tape sealant shall have integral hard nylon spacer beads to insure the correct thickness of sealant is retained in sealant joints.
- E. Joint Sealant: One-part polyurethane or polysulfide as recommended by building manufacturer.

SHEET METAL ACCESSORIES

- A. General: Unless otherwise indicated, provide coated steel accessories with coated steel roofing (same material), provide painted steel accessories with painted roof panels.
- B. Gutters: Formed in sections not less than twenty (20) feet in length, complete with end pieces, outlet tubes, and special pieces that may be required. Join sections with riveted and sealed joints. Unless otherwise indicated, provide expansion joint with cover plate where indicated. Furnish gutter supports spaced at maximum 48" o.c., constructed of same metal as gutters. Provide stainless steel or aluminum wire ball strainers at each outlet. Gutters shall be minimum 24-gage roll formed steel, with Fluoropolymer paint finish. Gutter outlet tubes shall be fabricated as indicated on drawings. Gutter size and configuration shall be as indicated on drawings.
- C. Downspouts: Formed in sections not less than ten (10) feet in length complete with any special pieces that may be required. Join sections with riveted and sealed joints. Downspouts shall be minimum 24-gage roll formed steel. Finish shall match gutter or wall panels. Gutter straps shall be spaced 8' o.c. maximum and be same material as gutter. All strap edges shall be rolled or smooth.
- D. Roof Curbs: Provide manufacturer's standard roof curb units for roof mounted equipment as indicated or is not indicated as required to adequately support equipment. Roof curbs shall be aluminum, thickness as design loads will allow and shall provide for a weatherlight seal with standing seam roof system. Crickets shall be provided on high side of curbs for proper drainage as an integral part of roof curb design. All curbs shall be made from welded minimum 0.080" thick aluminum and have an internal flange design (thickness of the curb will have no exposed fasteners). Curbs shall be supported by and clamped to galvanized steel support channels that rest on, but are not fastened to, the supporting secondary structural members.

ROOFING

- A. Roof Sheets: Secure roof panels to structural members by means of the sliding-tab panel clip fastened to the structural members and securely locked into the roof panel seam. Sliding tab shall be centered in mounting roof panel clip.
- B. Panel seams shall be a full (Pittsburgh) double-lock, field formed using manufacturer's standard four-stand minimum forming machine. Cracking or splitting of metal or cracking, peeling, blistering or other damage to panel coating shall not be acceptable. Panels shall be securely fastened to eave structural member and sealed waterlight.
- C. Panel end lap splices shall consist of pre-punched and pre-notched roof panels bolted together with backup plate, top strap and sealed weatherlight. A top aluminum stiffener strap shall be incorporated as part of the end lap splice assembly. End lap splices shall be staggered across the field of the roof so that in no event shall end lap seams occur together in adjacent panels. End lap seams shall be tight and flat. Fish mauling of panels between fasteners is not acceptable.
- D. Thermal Insulation: Install in accordance with manufacturer's published directions, performed concurrently with installation of roof panels. Install blankets straight, true and uniformly.
- E. Provide weatherseal under ridge cap/flash and seal roof panels at eave and rake with rubber or EPDM molded closures to exclude weather.
- F. Sheet Metal Accessories: Install gutters, roof curbs, ventilators, louvers, and other sheet metal accessories in accordance with manufacturer's recommendations for positive anchorage to building and weatherlight mounting.
- G. Dissimilar Materials: Where aluminum or zinc surfaces come in contact with ferrous metal or other incompatible materials, keep aluminum or zinc surfaces from direct contact by applications to the other material as follows:
 1. One coat of zinc chromate primer, FS T1-P-645, followed by two coats of aluminum paint, SSPC-Paint 101. In lieu of two coats of aluminum paint, apply one coat of high build bituminous paint, SSPC-Paint applied to a thickness of 1/16" over zinc chromate primer. Back-paint aluminum surface where impractical to paint other surface.

EXECUTION

GENERAL

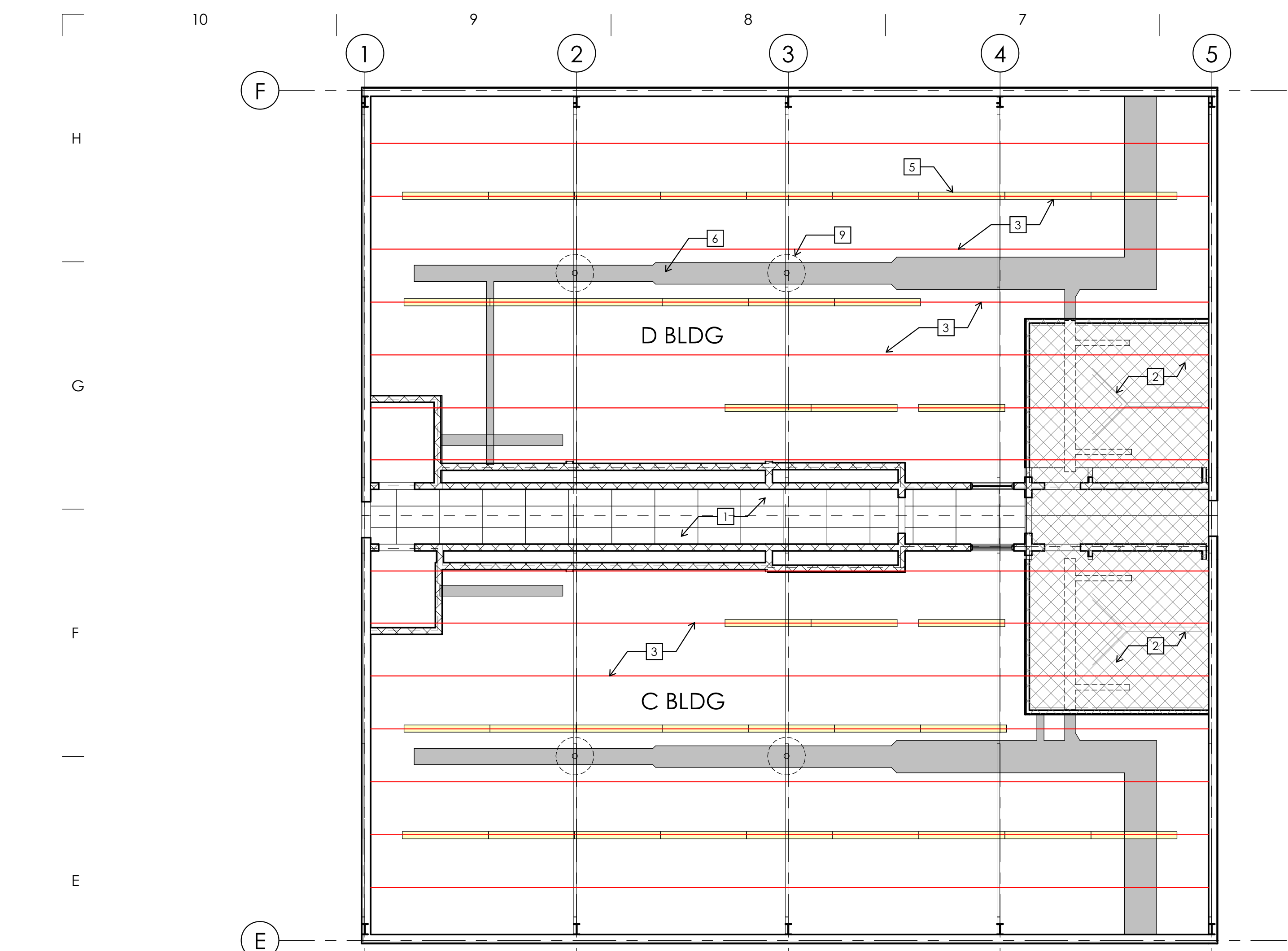
- A. Metal roofing system shall be installed in strict conformance with manufacturer's instructions. System shall comply with Underwriter's Laboratory U.L. Class 90 wind uplift rating and/or FMG rating. Roof panels shall be installed to allow for relative movement between roof panels and ridge, gables, fascias, and other components of the roof system.
- B. At no time shall the roof panel be considered a safe work platform until completely seamed and secured to the structural system. Therefore, walk boards or other safety equipment, as required by safety standards, shall be provided by the installing contractor to provide for worker safety during installation.

ISSUE DATE	10/15/2024
No Description	Date
1 Addendum 2	11/18/2024

WSKF, Inc. © 2024

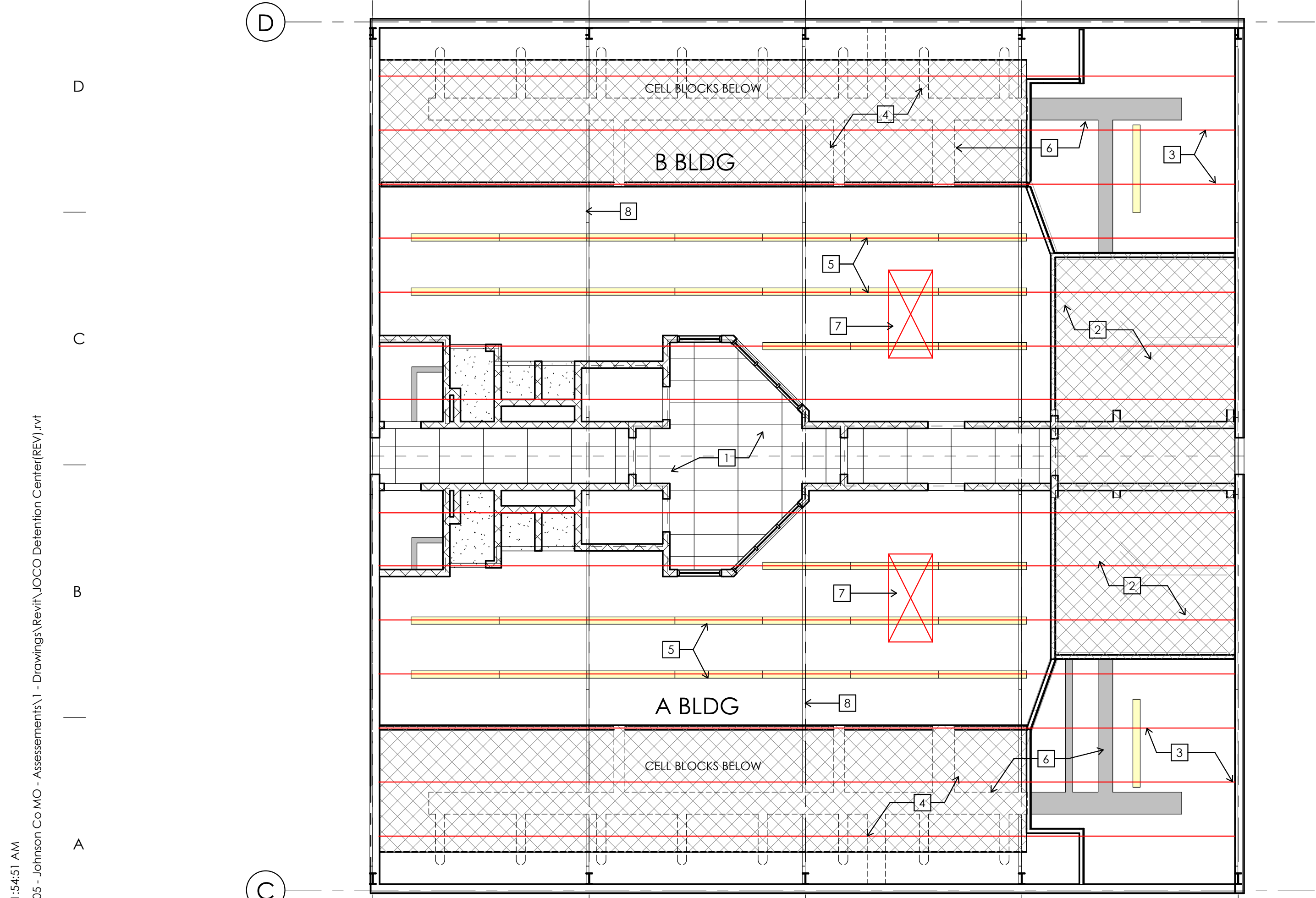
COVER

A0.00



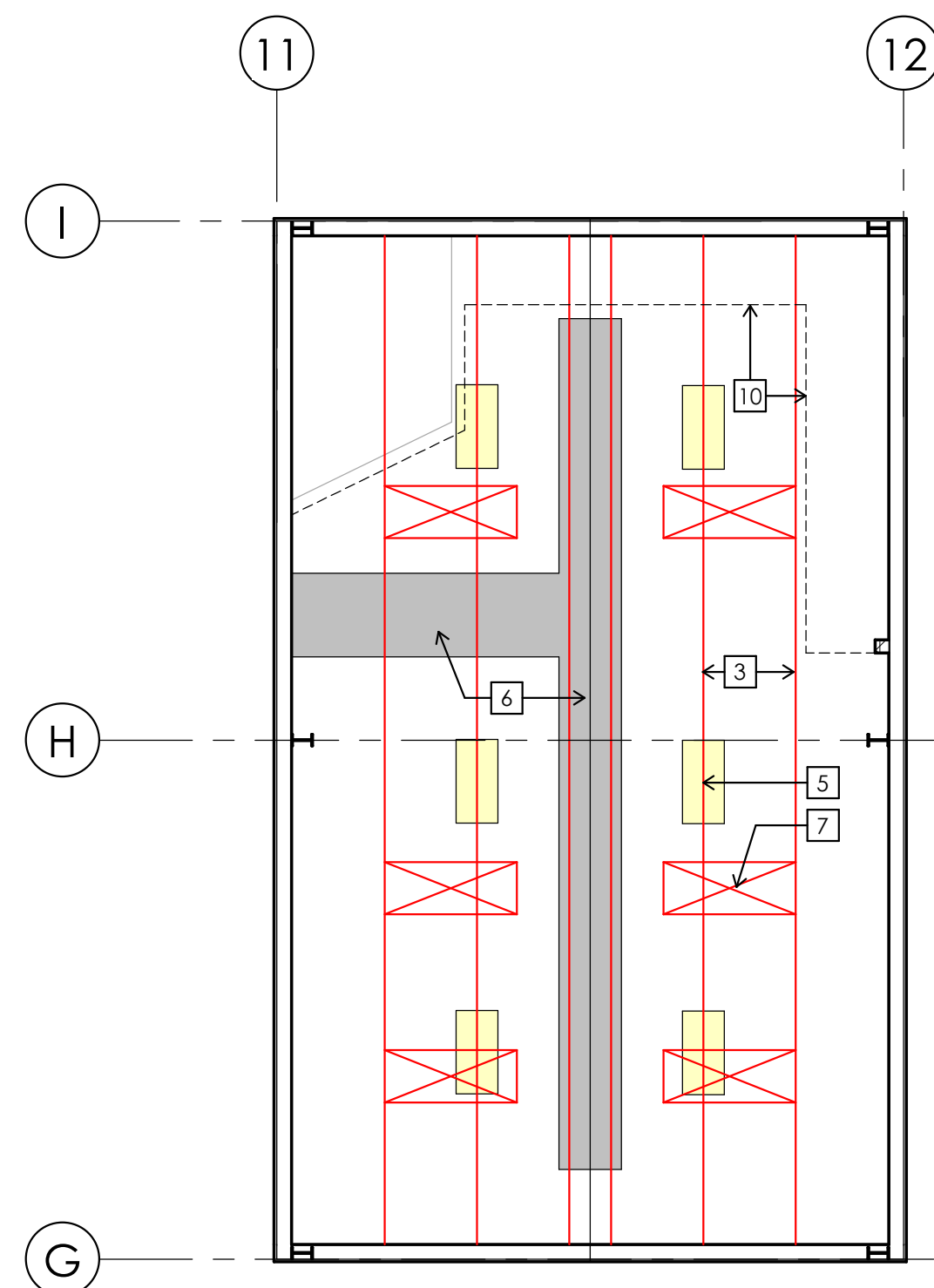
E10 CEILING PLAN C-D
1/8" = 1'-0"

NOTE: EAVE HEIGHT IS APPROX. 16'



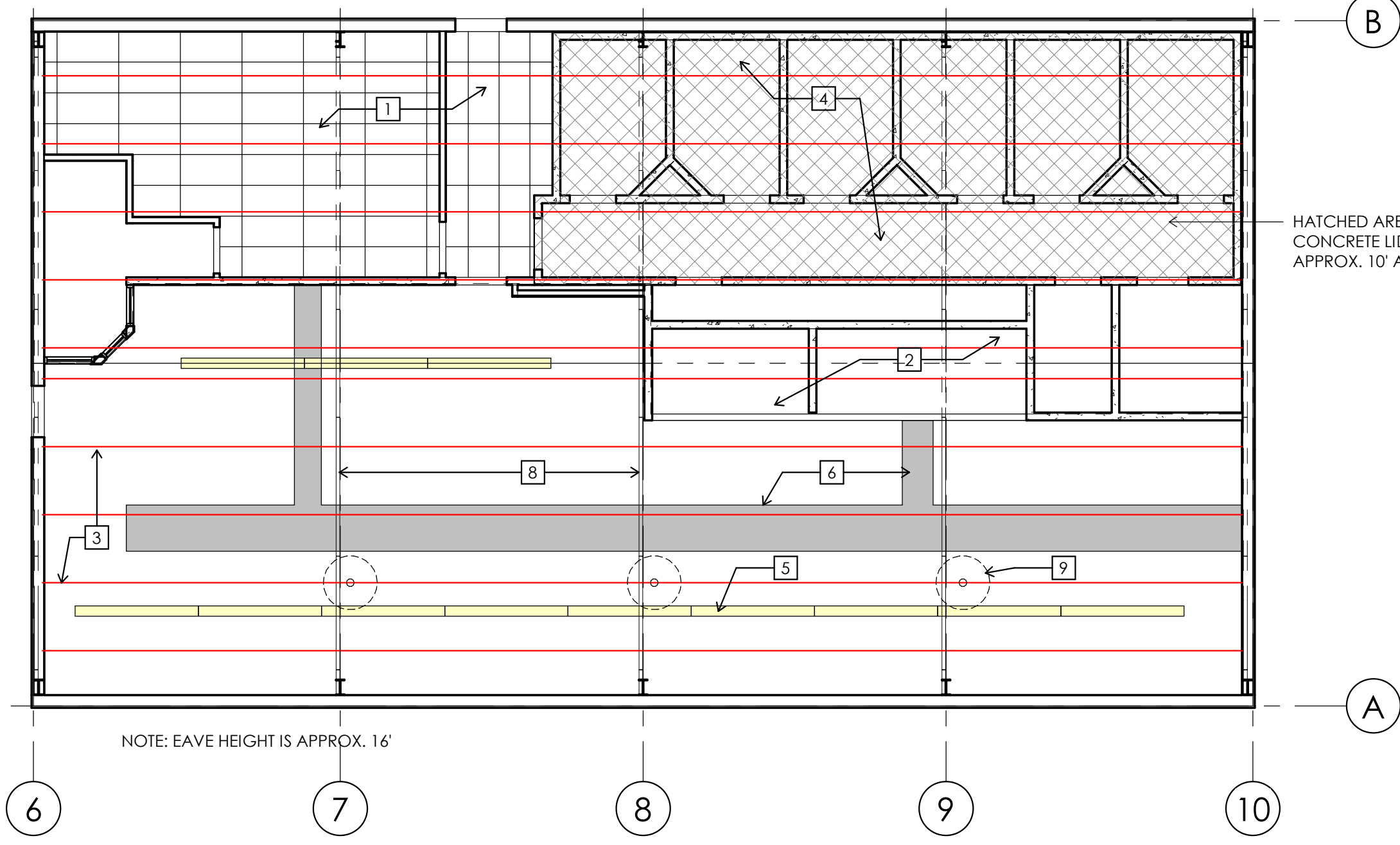
A10 CEILING PLAN A-B
1/8" = 1'-0"

NOTE: EAVE HEIGHT IS APPROX. 16'



E5 CEILING PLAN BDG F
1/8" = 1'-0"

NOTE: EAVE HEIGHT IS APPROX. 20'



A5 CEILING PLAN BLDG E
1/8" = 1'-0"

NOTE: EAVE HEIGHT IS APPROX. 16'

- GENERAL NOTES:**
- CONTRACTORS TO VERIFY EXISTING CONDITIONS PRIOR TO BID
 - DRAWING DO NOT SHOW ALL CEILING MOUNTED EQUIPMENT/ITEMS AND CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO BIDDING
 - REFER TO COVER SHEET FOR ADDITIONAL PRODUCT INFORMATION
 - CONTRACTORS TO COORDINATE ALL WORK WITH DETENTION CENTER STAFF
 - PROJECT WILL BE PHASED PER BUILDING AND SHALL BE COORDINATED WITH SHERIFF'S STAFF
 - TOTAL BUILDING AREA IS APPROX. 17,800 S.F.
 - ALL ROOF INSULATION TO BE REMOVED AND REPLACED WITH NEW BANDED/LINER INSULATION SYSTEM. FULL PURLIN DEPTH BATT INSULATION WITH BANDED LAMTEC WMP-50 REINFORCE VINYL FACING MEMBRANE
 - CONTRACTORS SHALL REMOVE AND REINSTALL ALL MECHANICAL, ELECTRICAL & PLUMBING ITEMS AS REQUIRED FOR INSTALLATION OF INSULATION SYSTEM
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES WHICH WILL PREVENT THE ACCOMPLISHMENT OF INTENT SHOWN ON DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT
 - THE CONTRACTOR SHALL PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS AND FLOORS IN ALL AREAS THAT REQUIRE THE REMOVAL OF EXISTING CONSTRUCTION
 - DAMAGE TO ANY SURFACE OR BUILDING COMPONENT NOT MARKED FOR DEMOLITION SHALL BE REPAIRED LIKE NEW. PROTECT EXISTING-TO-REMAIN ITEMS AND AREAS DURING CONSTRUCTION.
 - COORDINATE ALL WORK WITH OWNER WORK THAT WILL IMPACT EXISTING BUILDING SYSTEMS SHALL BE REVIEWED WITH THE OWNER AT LEAST 48 HOURS IN ADVANCE OF SUCH WORK.
 - PROTECT EXISTING CONSTRUCTION WORK WHICH IS NOT SCHEDULED TO BE REMOVED
 - ALTERNATE ONE: CONTRACTOR OPTION TO REMOVE AND REPLACE THE EXISTING ROOF SYSTEM. THIS BID INCLUDES THE ROOF, GUTTER, TRIM, DOWNSPOUT REPLACEMENT AND INSULATION REPLACEMENT. REFER TO COVER SHEET FOR PRODUCT INFORMATION.

- PLAN NOTES:**
- SUSPENDED LAY-IN CEILING
 - HARD FRAMED CEILING - OPEN ABOVE
 - APPROX. LOCATION OF ROOF PURLINS
 - HOLDING CELLS BELOW W/ STEEL OR C.I.P CONC CEILING AND OPEN ABOVE
 - EXISTING LIGHTS TO REMAIN, FIELD VERIFY
 - EXISTING SUSPENDED DUCTS, TO REMAIN, FIELD VERIFY
 - EXISTING SKYLIGHT UNIT, TO REMAIN
 - PEMB FRAME LOCATIONS
 - CEILING FANS
 - LINE OF SLOPED GYP. BD. ENCLOSURE BELOW

- LEGEND:**
- EXISTING PAINTED GYP. BD CEILING PER FINISH LEGEND
 - EXISTING ACOUSTIC CEILING GRID & TILE
 - EXISTING SUSPENDED LIGHT FIXTURE
 - EXISTING DUCT WORK
 - EXISTING CEILING FANS

HATCHED AREA HAS CONCRETE LID AT APPROX. 10' AFF



JOB NUMBER 23005

**JOHNSON COUNTY DETENTION CENTER
ROOF INSULATION REPLACEMENT**
278 SW 871
CENTERVIEW, MO 64019
JOHNSON COUNTY MISSOURI
110 Armour Road North Kansas City, Missouri 64116 Tel: 816.300.4101

ISSUE DATE	10/15/2024
No. Description	Date
1 Addendum 2	11/18/2024

WSKF, Inc. © 2024
REFLECTED CEILING PLAN
A5.01

11/19/2024 11:54:51 AM M:\2023\23005 - Johnson Co MO - Assessments\1 - Drawings\Revit\JOCO Detention Center\REV.rvt