VARIOUS LOCATIONS -ROOF REPLACEMENT COLUMBIA, MO

Project CP252841
UNIVERSITY OF MISSOURI
FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI
COLUMBIA, MISSOURI



PREPARED BY:



COLUMBIA, MISSOURI 65203

WWW.PWARCHITECTS.COM

OFFICE: 573.449.2683



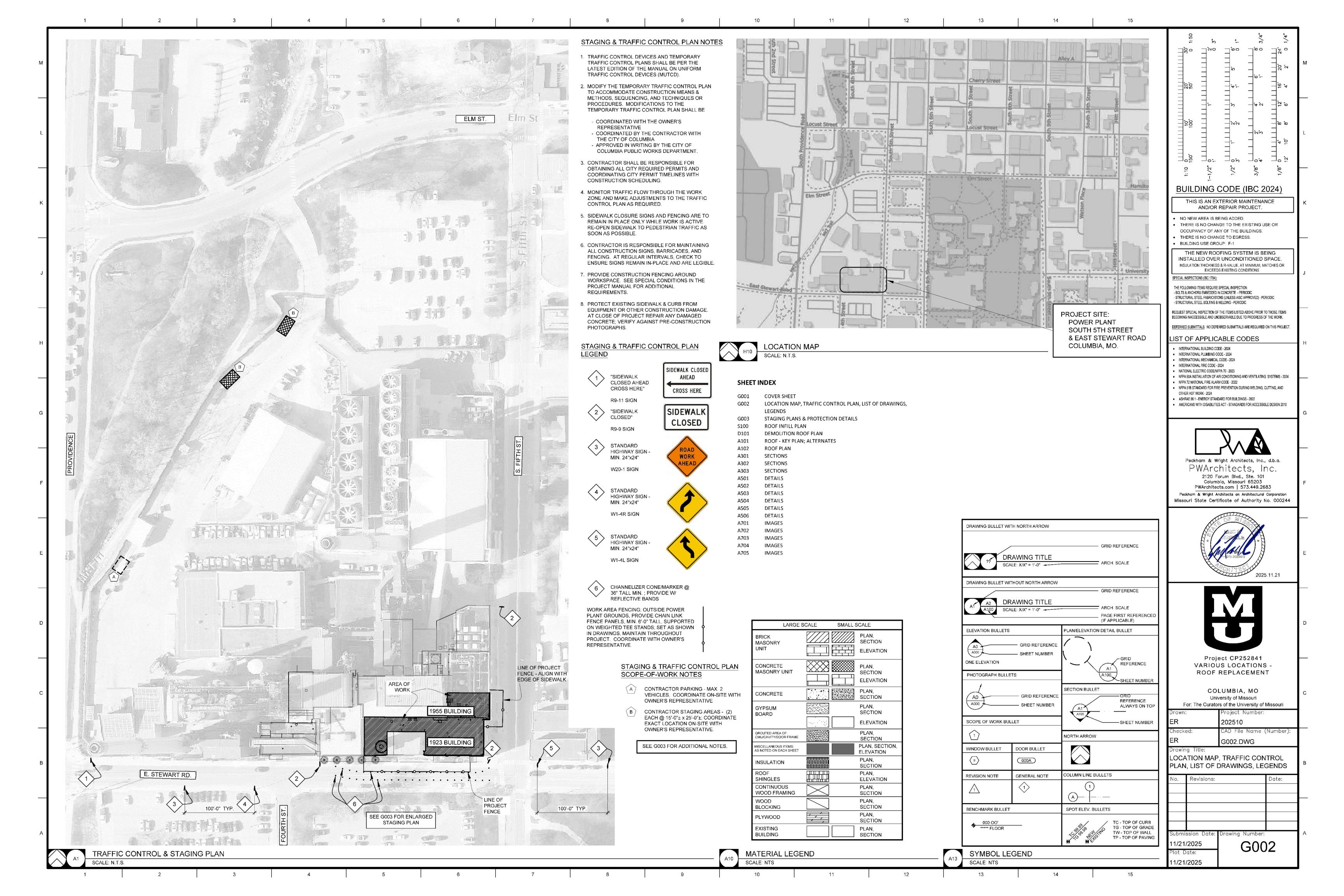
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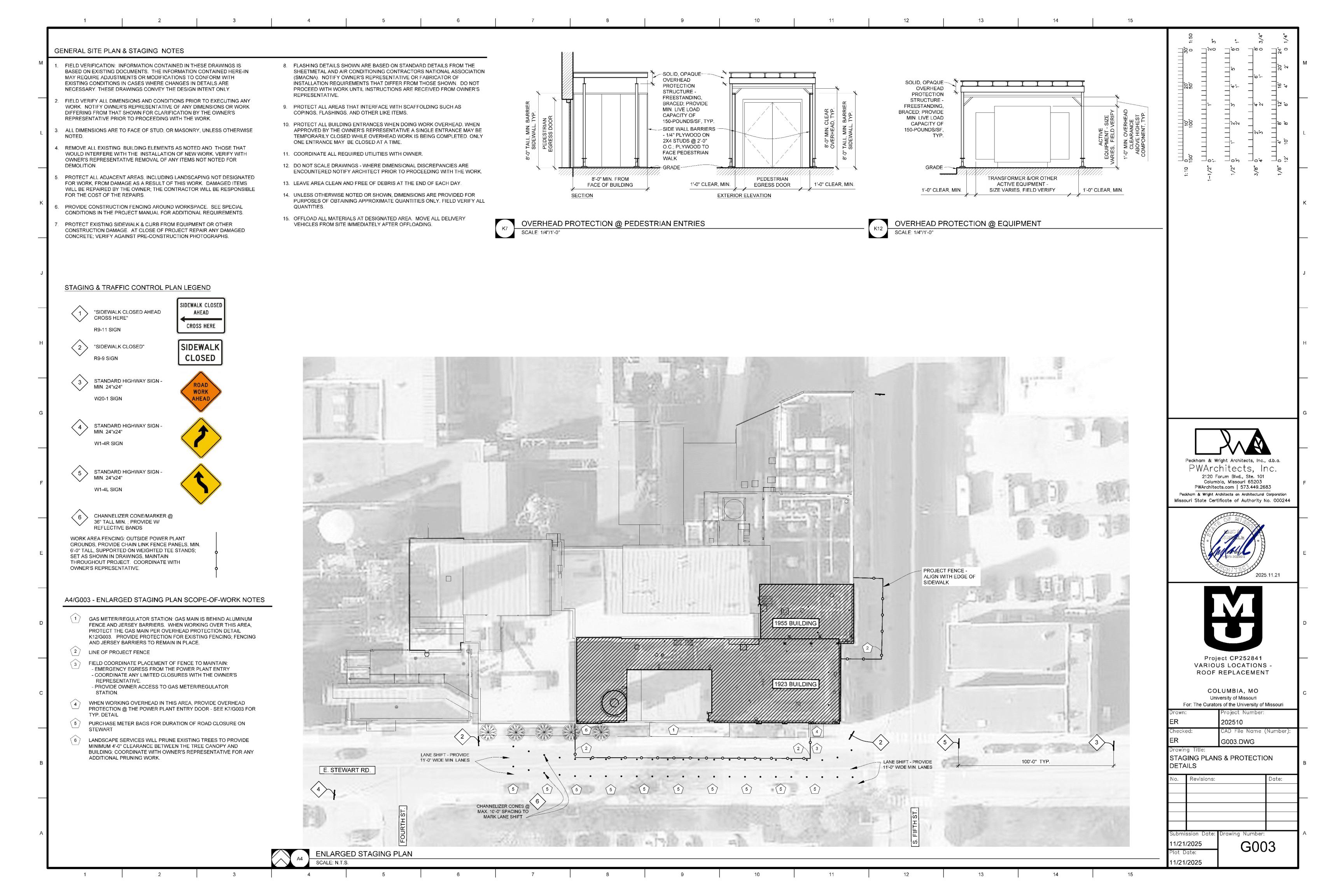
"I HEREBY CERTIFY THESE DRAWINGS AND/OR SPECFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND/OR SPECIFICATIONS ARE AS REQUIRED BY AND IN COMPLIANCE WITH THE BUILDING CODES OF THE UNIVERSITY OF MISSOURI".

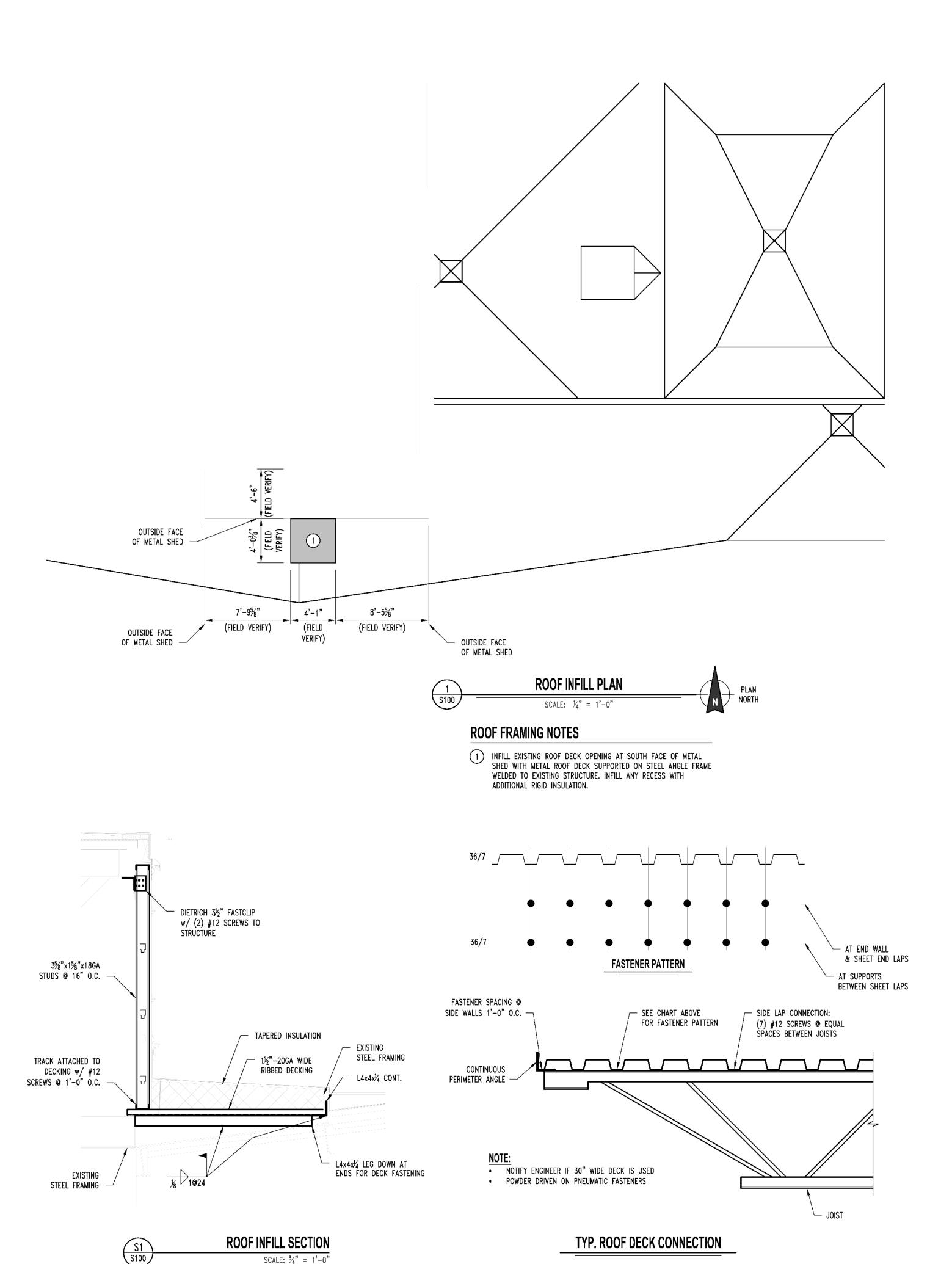
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PW ARCHITECTS, INC.
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Peckham & Wright Architects, Inc., d.b.a. PWArchitects, Inc. 2120 Forum Blvd., Ste. 101 Columbia, Missouri 65203 PWArchitects.com 573.449.2683 Peckham & Wright Architects an Architectural Corporation Missouri State Certificate of Authority No. 000244	F
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Project CP252841 VARIOUS LOCATIONS - ROOF REPLACEMENT COLUMBIA, MO University of Missouri For: The Curators of the University of Missouri Drawn: Project Number: ER 202510	С
Checked: CAD File Name (Number): ER G001.DWG Drawing Title: COVER SHEET No. Revisions: Date:	В
Submission Date: Drawing Number: 11/21/2025 Plot Date: 11/21/2025	Α







DESIGN DATA 2024 INTERNATIONAL BUILDING CODE / ASCE 7-22 BUILDING OCCUPANCY CATEGORY ROOF LOAD DATA LIVE LOAD ROOFING AND INSULATION TOTAL TO TRUSSES 35 lbs/sq.ft RAIN LOADING 15 MINUTE RAIN INTENSITY 6.67 in/hr 60 MINUTE RAIN INTENSITY 3.18 in/hr ROOF SNOW LOAD DATA* (*UNBALANCED & DRIFTING SNOW TO BE DETERMINED IN ADDITION TO UNIFORM LOAD, WHERE APPLICABLE) 28 lbs/sq.ft 19.60 lbs/sq.ft WIND DESIGN DATA 109 M.P.H. (3-SECOND GUST) RISK CATEGORY **EXPOSURE** ± 0.18 INTERNAL PRESSURE COEFFICIENT = DIRECTIONAL PROCEDURE (MWFRS - ASCE 7, CH 27, C&C - ASCE 7, CH 30, PART 4) MAXIMUM COMPONENTS & CLADDING WIND +/-32.4 lbs/sq.ft EARTHQUAKE DESIGN DATA RISK CATEGORY S,= SITECLASS SEISMIC DESIGN CATEGORY BASIC SEISMIC-FORCE-RESISTING SYSTEM = LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS V = 0.115 WDESIGN BASE SHEAR EQUIVALENT LATERAL FORCE PROCEDURE

1,500 lbs/sq.ft**

NET ALLOWABLE SOIL BEARING

(**ASSUMED PER IBC TABLE 1806.2, PRESUMPTIVE LOAD-BEARING VALUES)

GENERAL NOTES

ELEVATION DATUM

SEE ARCHITECTURAL DRAWINGS OR SITE PLAN FOR FINISH FLOOR ELEVATIONS

DESIGN SPECIFICATIONS

2024 INTERNATIONAL BUILDING CODE

STRUCTURAL STEEL

- 1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AND CURRENT OSHA STANDARDS.
- 2. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. STRUCTURAL TUBES SHALL CONFORM TO ASTM A500 GRADE B. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
- 3. BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO ASTM A325-N, SIZE AS PER PLAN.
- 4. ANCHOR BOLTS, UNLESS OTHERWISE SHOWN, SHALL CONFORM TO
- ASTM F1554 GRADE 36. 5. SPLICING OF STRUCTURAL STEEL IS PROHIBITED EXCEPT AS DETAILED.
- 6. ALL STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL RECEIVE ONE COAT OF "IRONCLAD RETARDO RUST INHIBITIVE PAINT 163" (BENJAMIN MOORE) OR APPROVED EQUAL UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS. ALL STEEL SURFACES EMBEDDED IN CONCRETE SHALL NOT BE PAINTED. PREPARATION OF STEEL SURFACES SHALL MEET THE REQUIREMENTS OF THE STEEL STRUCTURES PAINTING COUNCIL (SSPC-SP1) AND THE REMOVAL OF GREASE AND OIL BY SOLVENT CLEANING (SSPC-SP1) AND THE REMOVAL OF MILL SCALE, RUST, WELD FLUX AND SLAG BY HAND TOOL CLEANING (SSPC-SP2). PRIMER SHALL BE APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE BUT NOT LESS THAN ONE GALLON PER 400 SQ.FT. THEREBY DEPOSITING A DRY FILM THICKNESS OF NOT LESS
- THAN 1.5 MILS. ANY SCARRED AREAS SHALL BE TOUCHED UP WITH THE SAME PAINT AFTER ERECTION. 7. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS STRUCTURAL WELDING CODE. WELDING ELECTRODES SHALL BE E70XX.

STEEL ROOF DECK

- 1. THE DESIGN, FABRICATION AND ERECTION OF THE STEEL ROOF DECK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE SDI SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK AND THE SDI DIAPHRAGM DESIGN MANUAL.
- 2. MINIMUM END LAP SHALL BE 3". 3. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS SPECIFICATIONS FOR WELDED SHEET STEEL AND ITS COMMENTARY, WELDING ELECTRODES
- SHALL BE E6022. HOBART #1139, 5/32" DIAMETER WELDING ELECTRODES MEET THIS REQUIREMENT. 4. ROOF DECK SHALL RECEIVE ONE COAT OF MANUFACTURER'S STANDARD PRIMER. ALL DECK WELDS SHALL BE PAINTED WITH RUST PROHIBITIVE METAL PRIMER PRIOR TO ROOFING. COLOR TO BE
- 5. ROOF DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS.
- 6. ROOF DECK BUNDLES SHALL BE PLACED ON JOISTS WITH EXTREME CAUTION, FOLLOWING THE JOIST MANUFACTURER'S RECOMMENDATIONS FOR PROPER PLACEMENT.
- 7. DECKING OR DECK ACCESSORY BUNDLES SHALL NOT EXCEED 4,000 LBS.

COLD-FORMED METAL FRAMING

DETERMINED BY OWNER OR ARCHITECT.

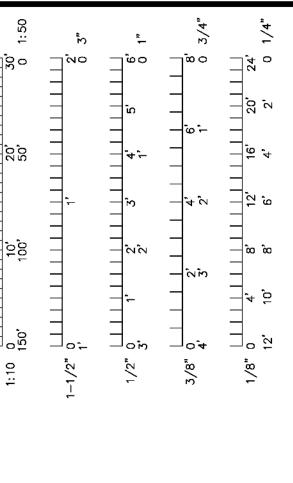
- 1. ALL PRODUCTS TO BE MANUFACTURED BY CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION.
- 2. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE
- MINIMUM REQUIREMENTS OF THE AISI STANDARDS. Fy= 33 KSI UNLESS NOTED OTHERWISE. 3. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE
- DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND SHALL CONFORM TO ASTM C955. 4. FASTENING OF COMPONENTS SHALL BE WITH CORROSION RESISTANT SELF-DRILLING SCREWS, OR WELDS COMPLYING WITH AWS STANDARDS. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH
- ZINC-RICH PAINT. WELDERS SHALL BE QUALIFIED PER AWS D1.3. 5. SLIP TRACK IS EXPECTED AT ROOF TO WALL CONNECTIONS @ INTERIOR WHEN WALLS ARE GROUND SUPPORTED.

SPECIAL INSPECTIONS

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

- a. BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)
- STRUCTURAL STEEL FABRICATIONS (UNLESS AISC APPROVED) (PERIODIC)
- STRUCTURAL STEEL BOLTING & WELDING (PERIODIC)

THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.







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PWArchitects, Inc. 2120 Forum Blvd., Ste. 101 Columbia, Missouri 65203

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250287 CAD File Name (Number): Drawing Title:

ROOF INFILL PLAN

Date: Revisions: 1/21/2025

(573) 447-0292

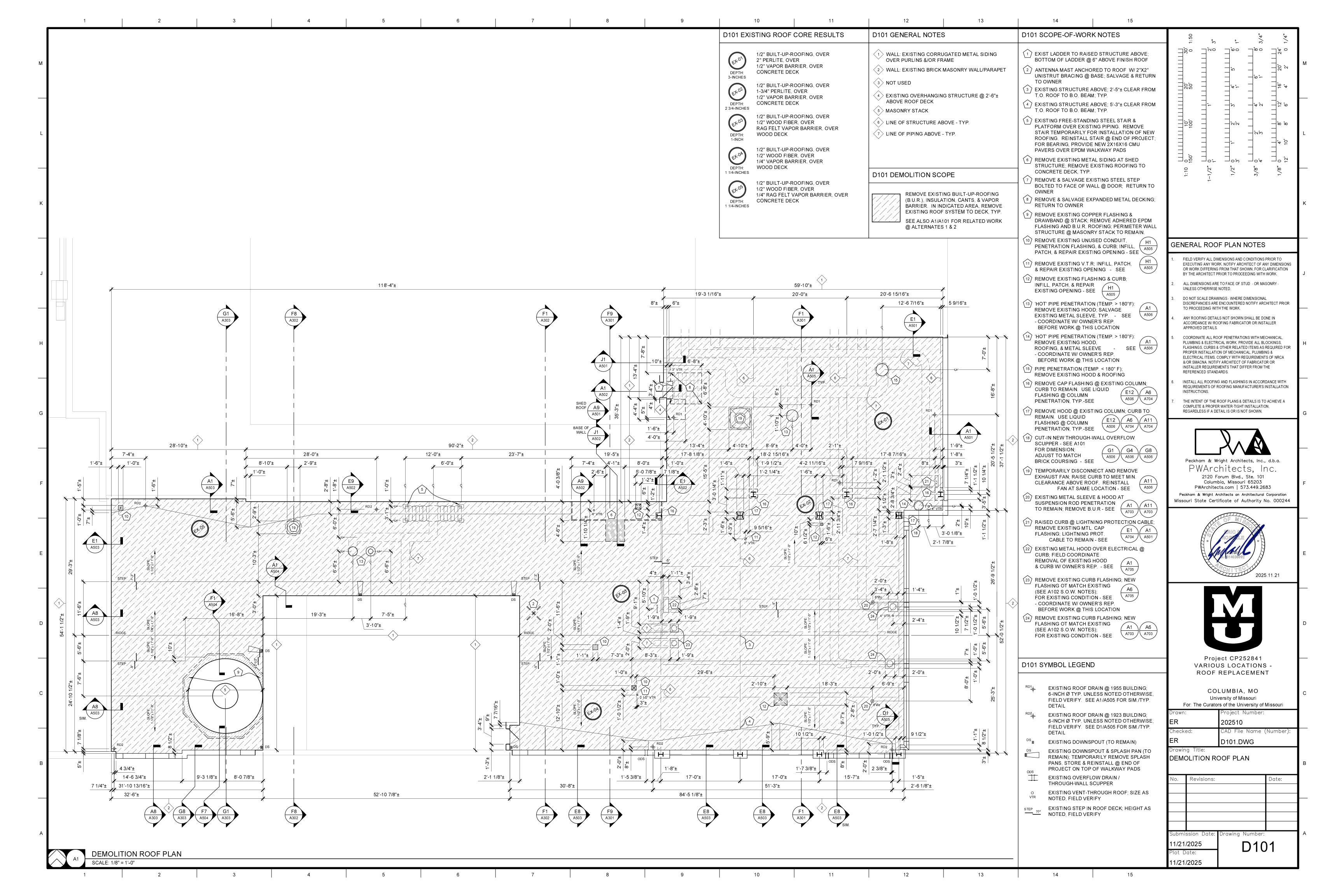


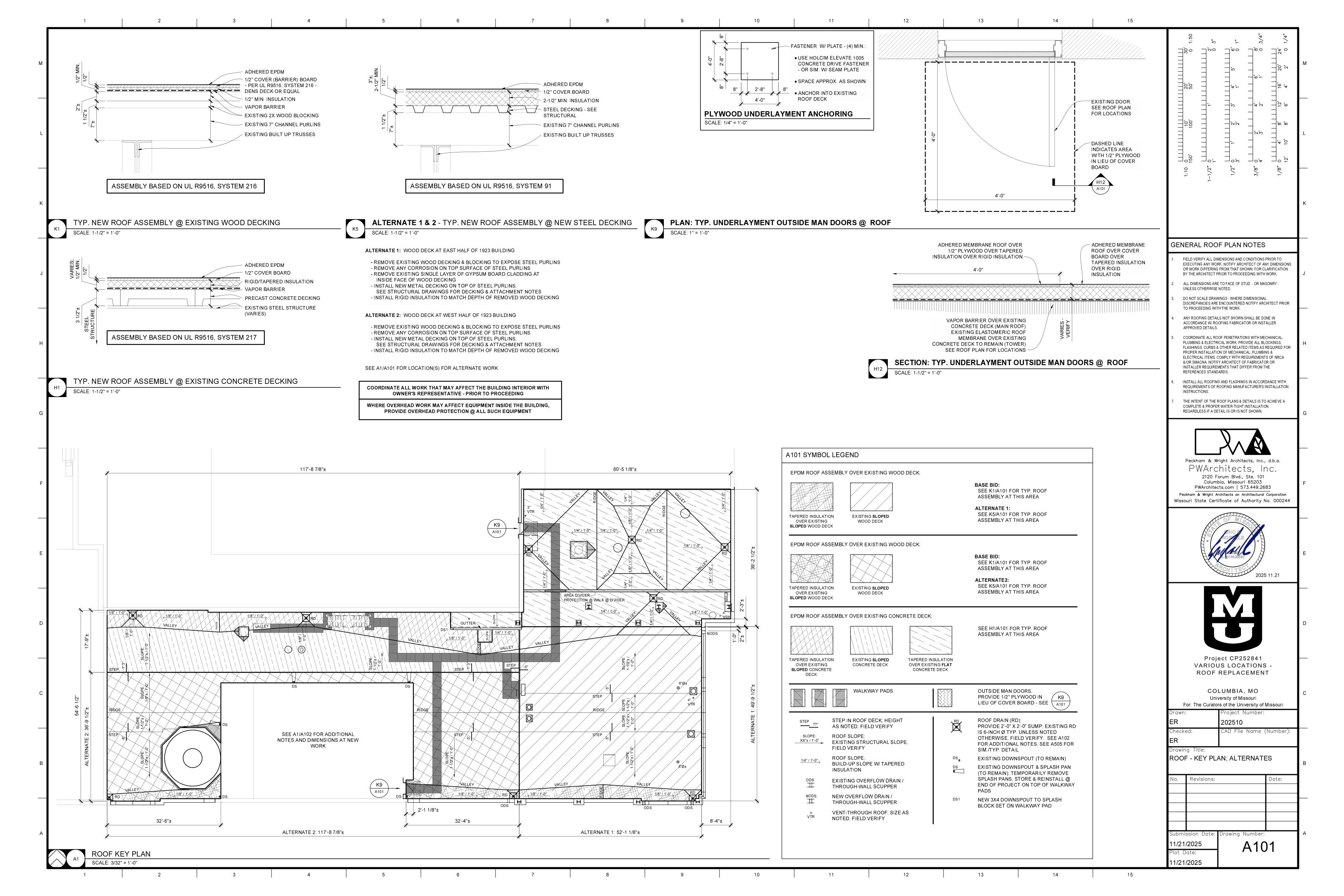
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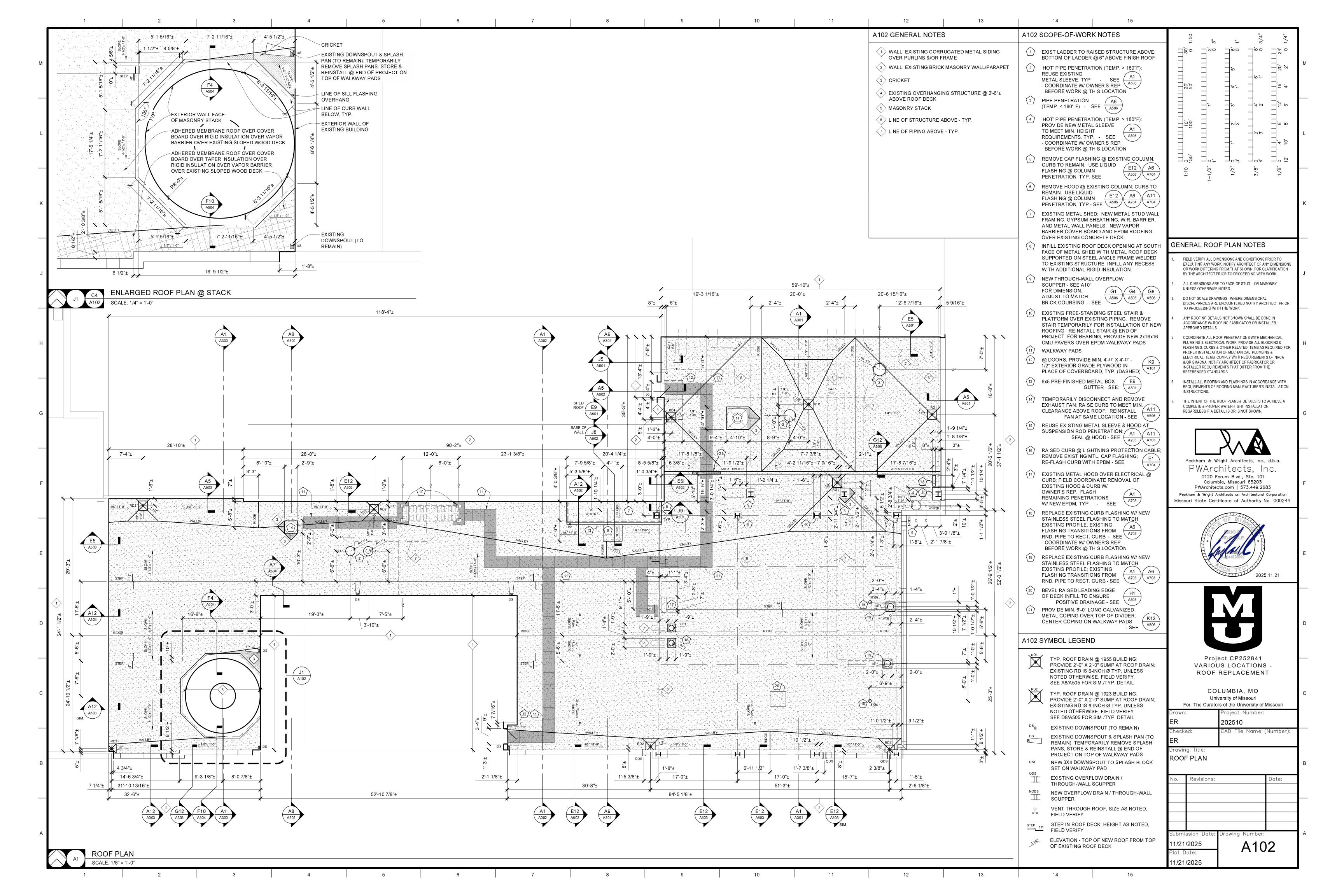
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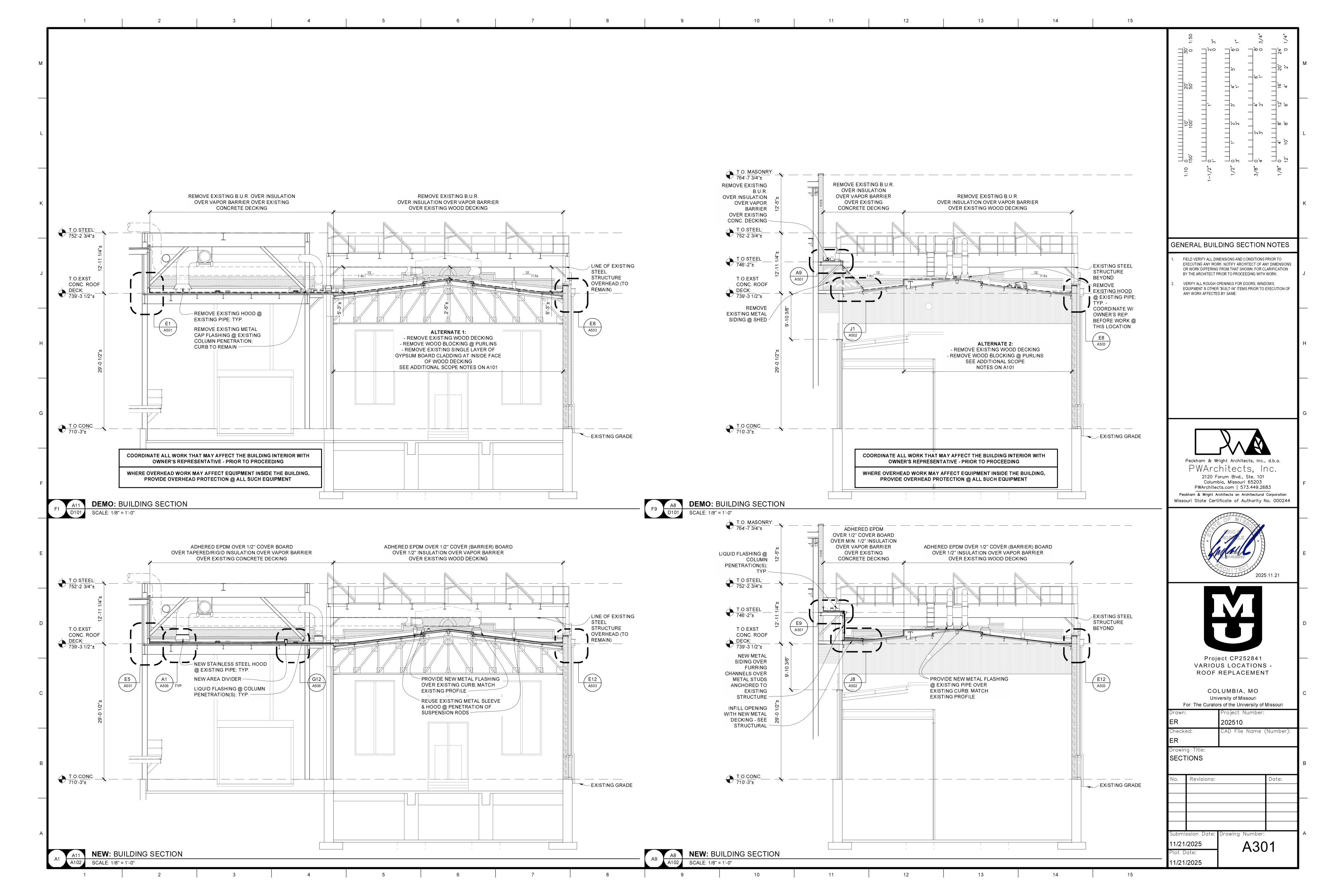
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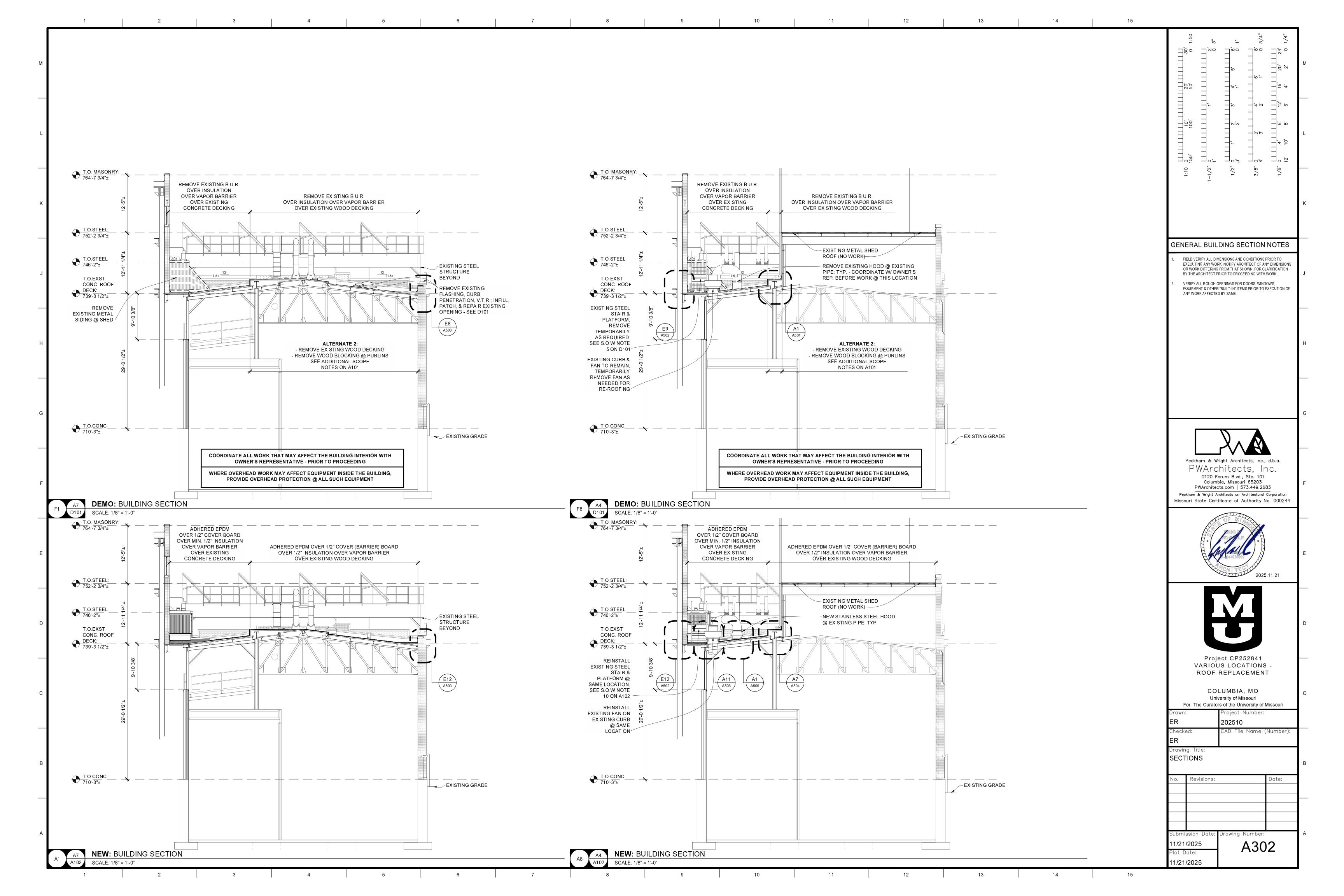
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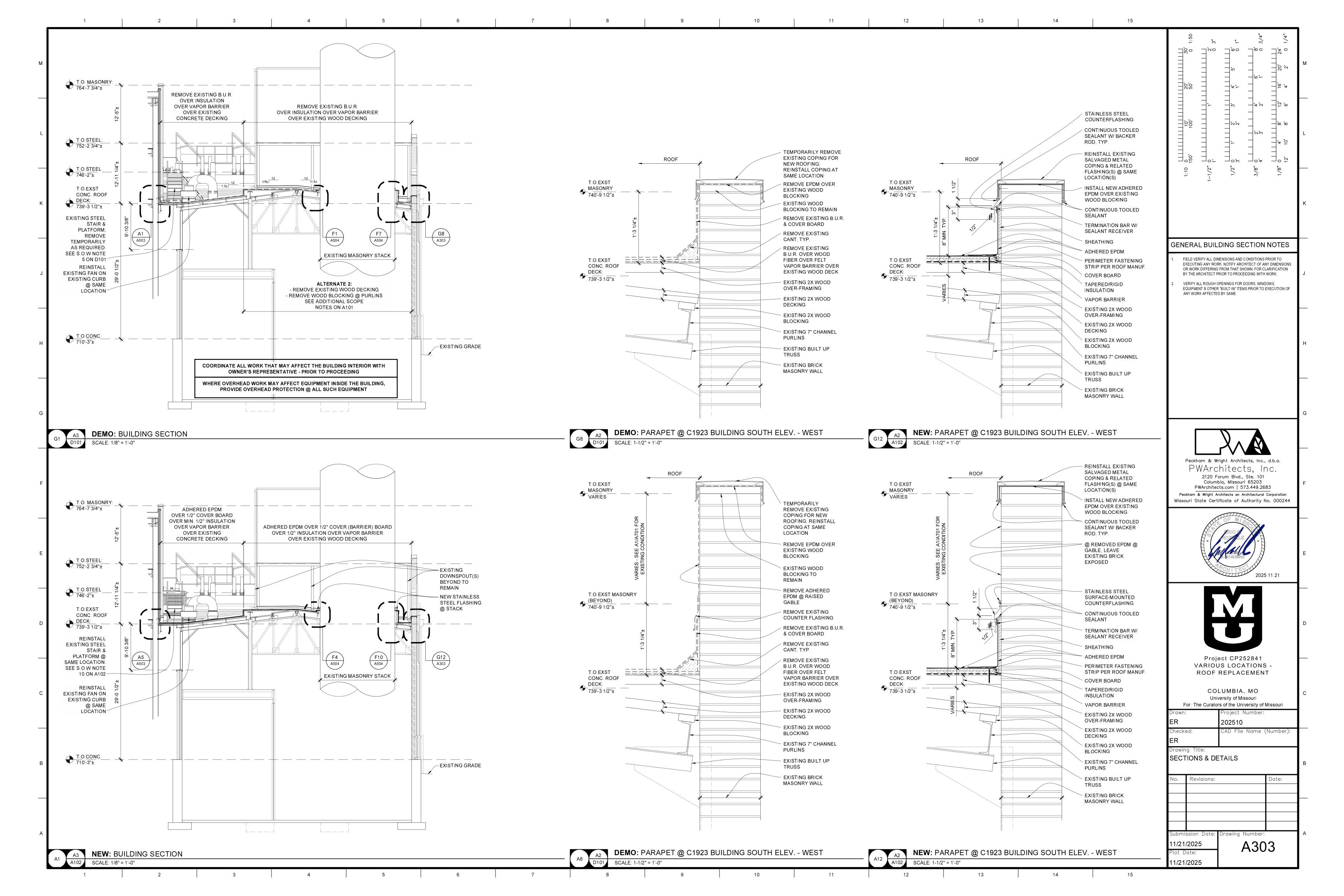


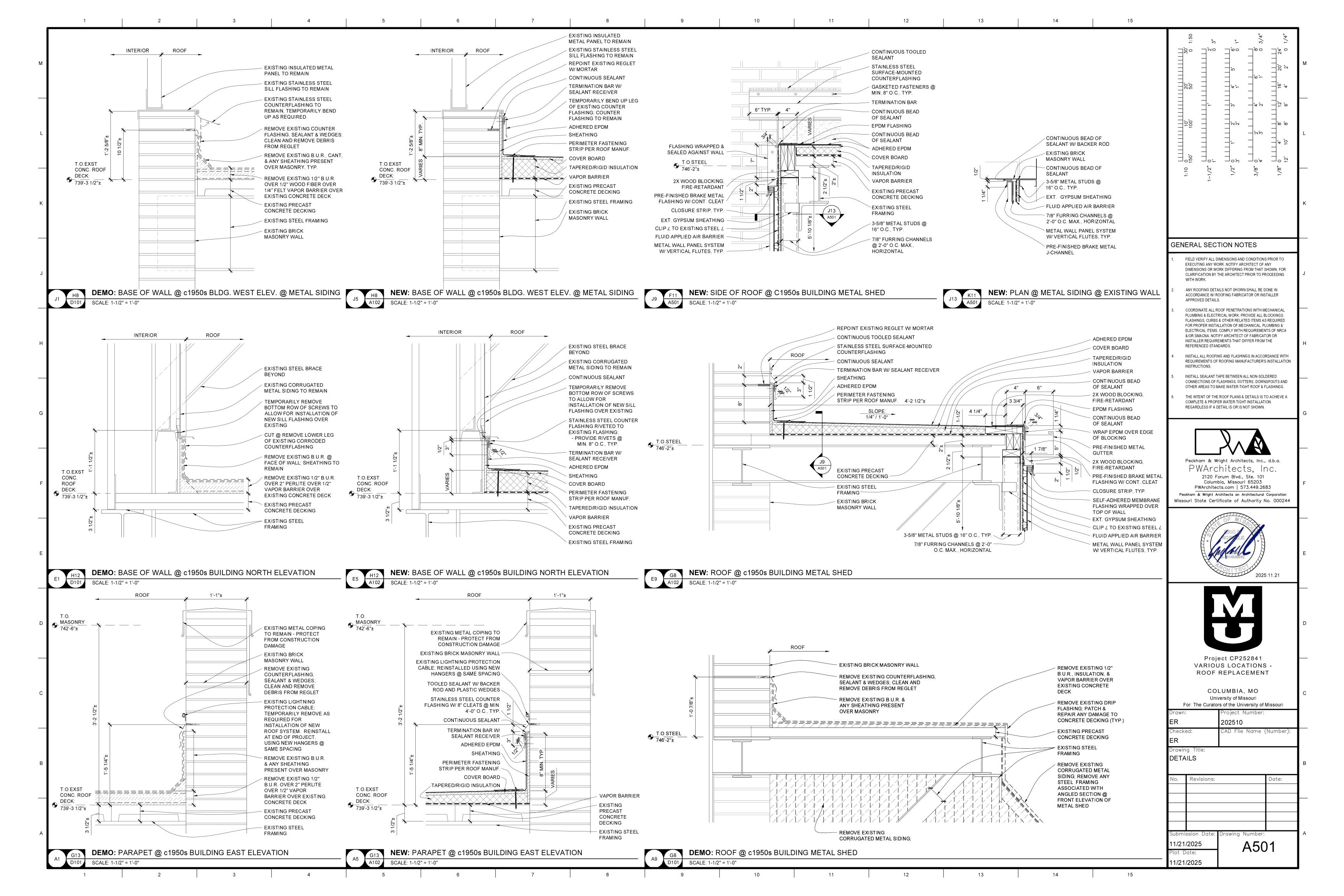


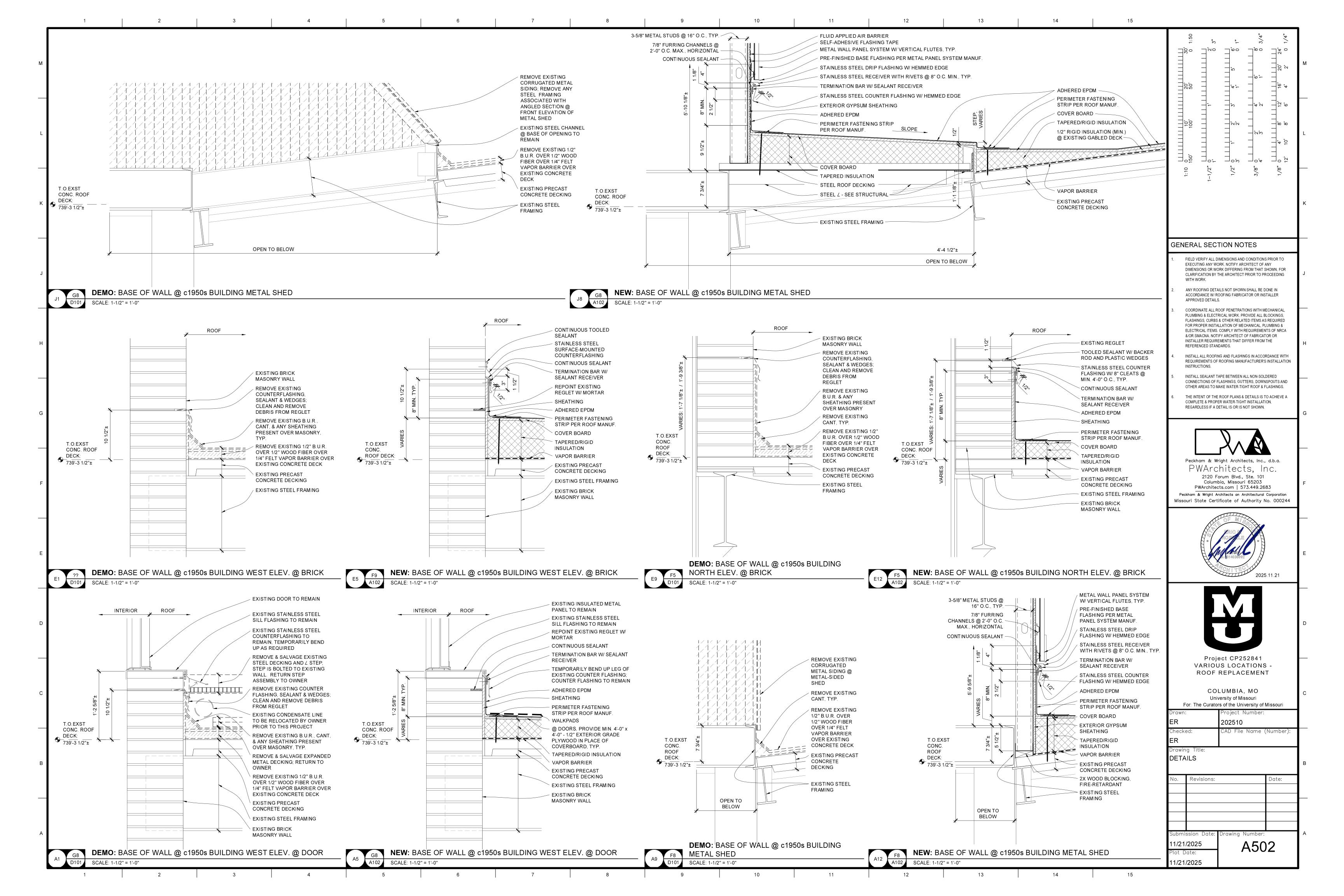


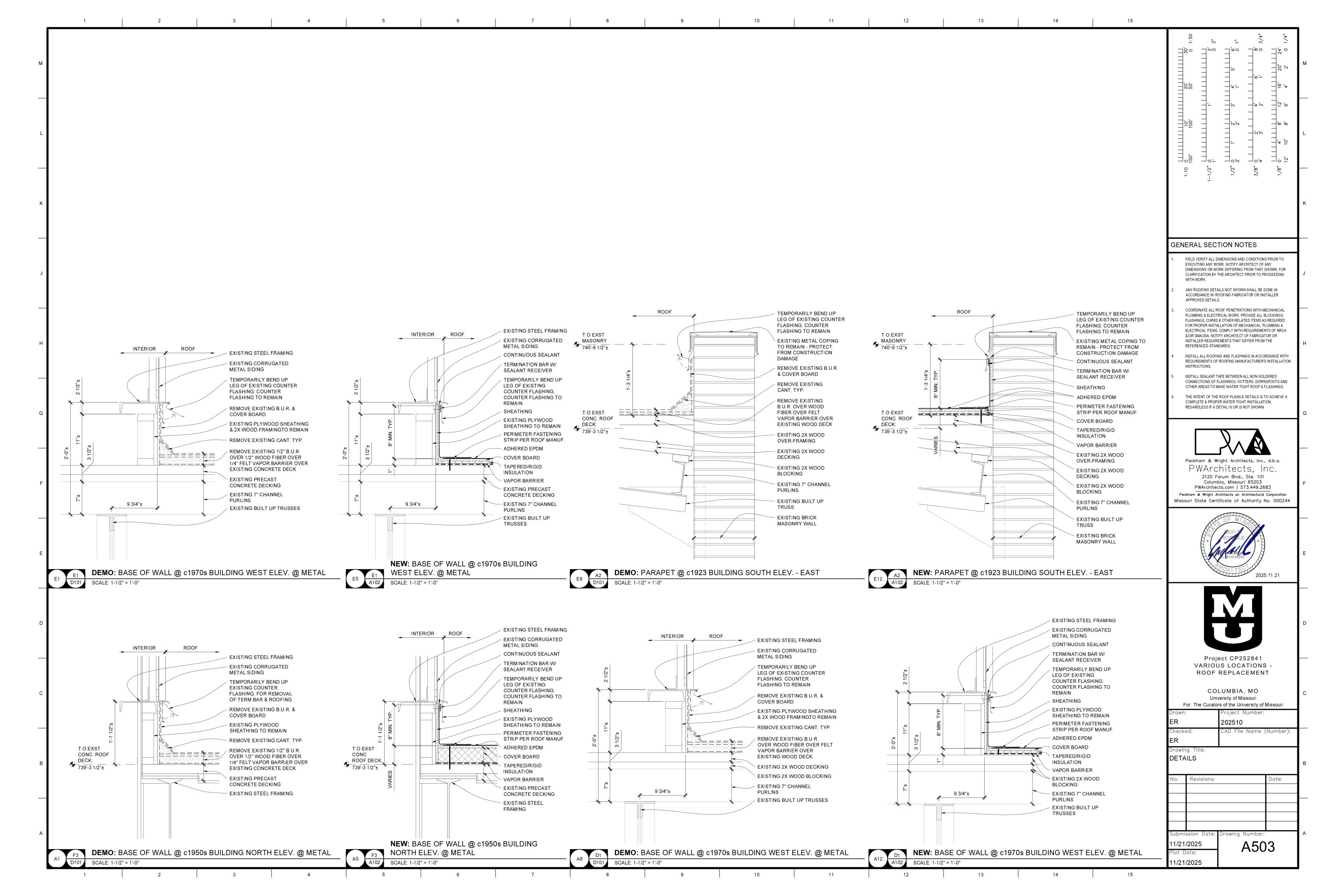


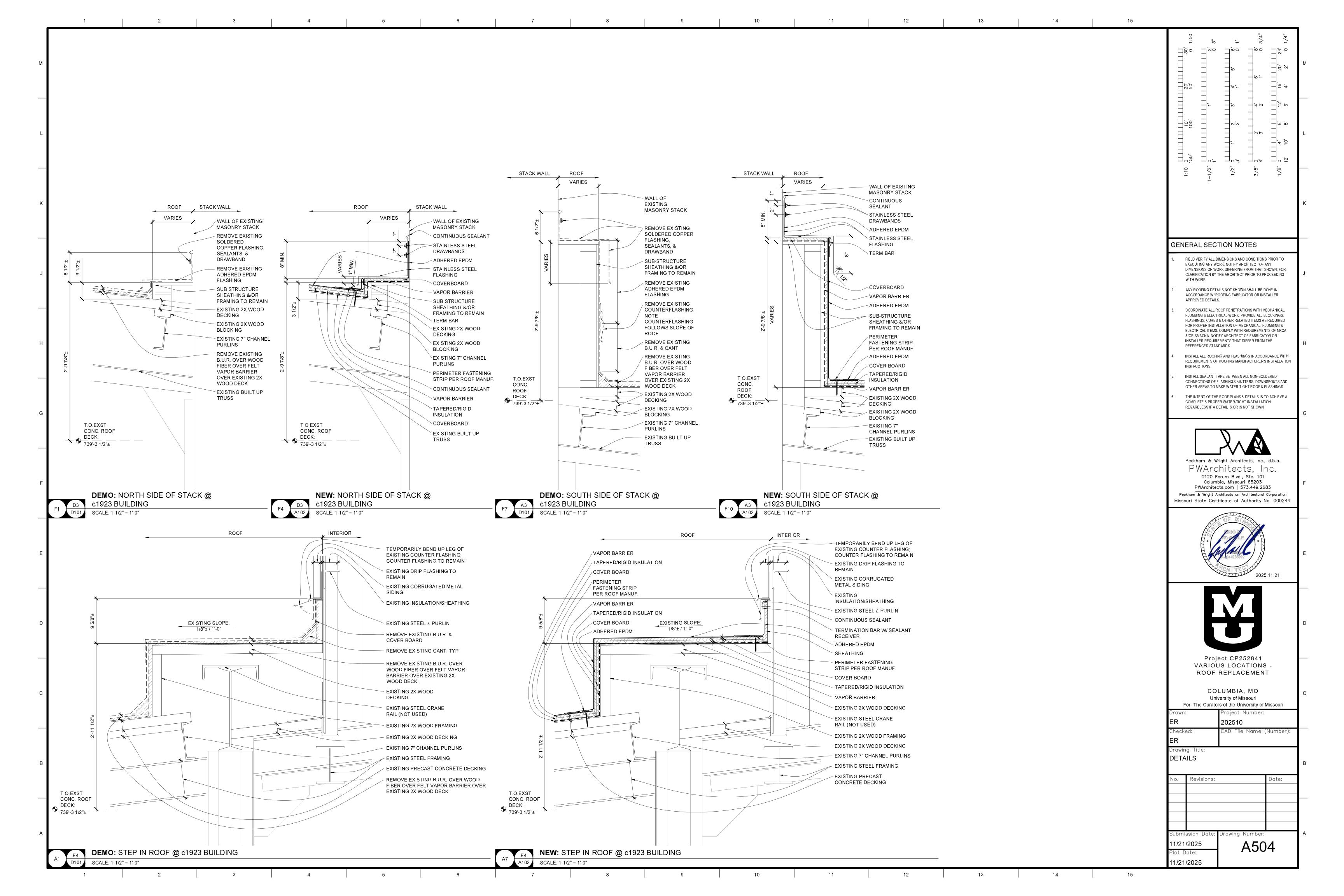


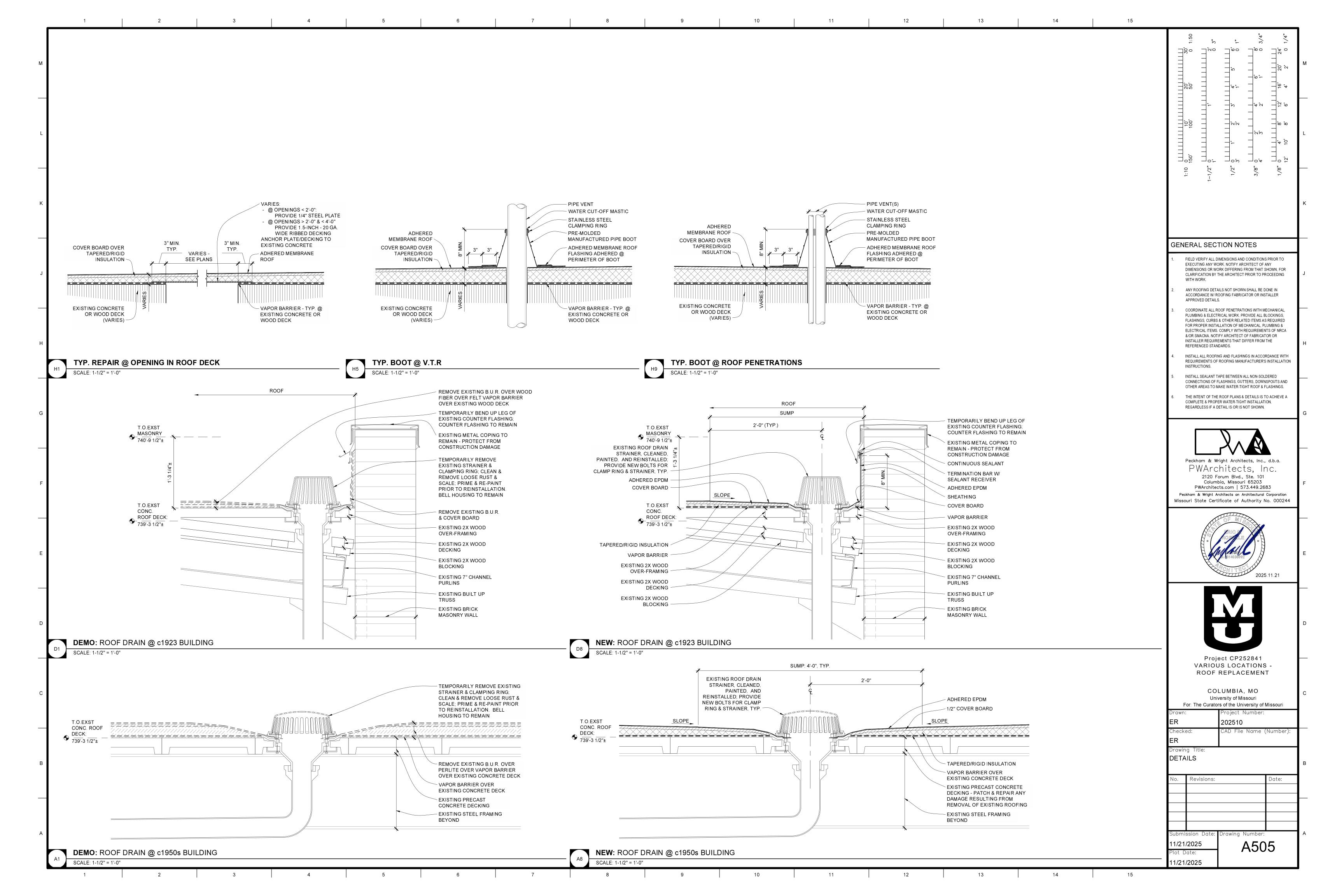


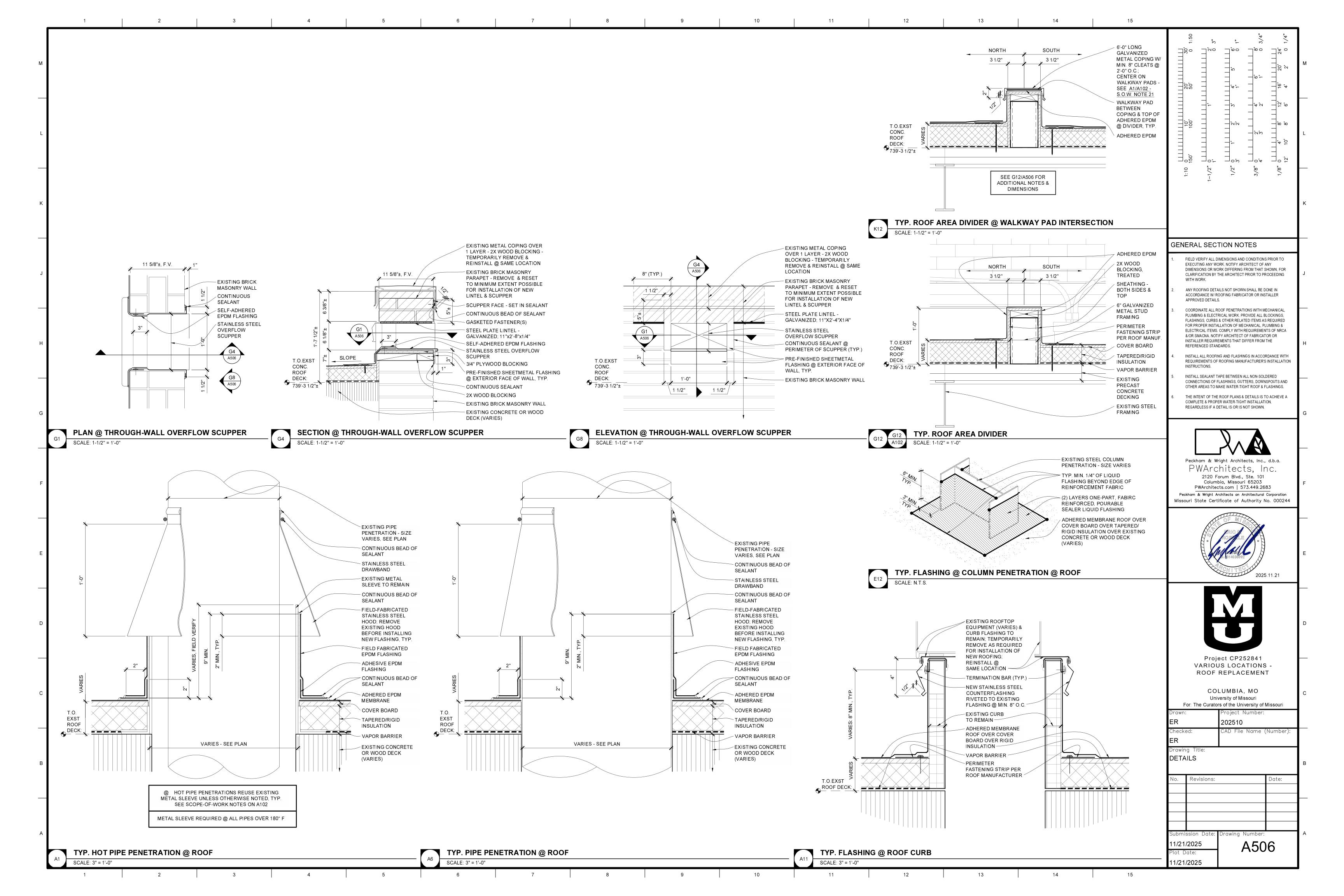


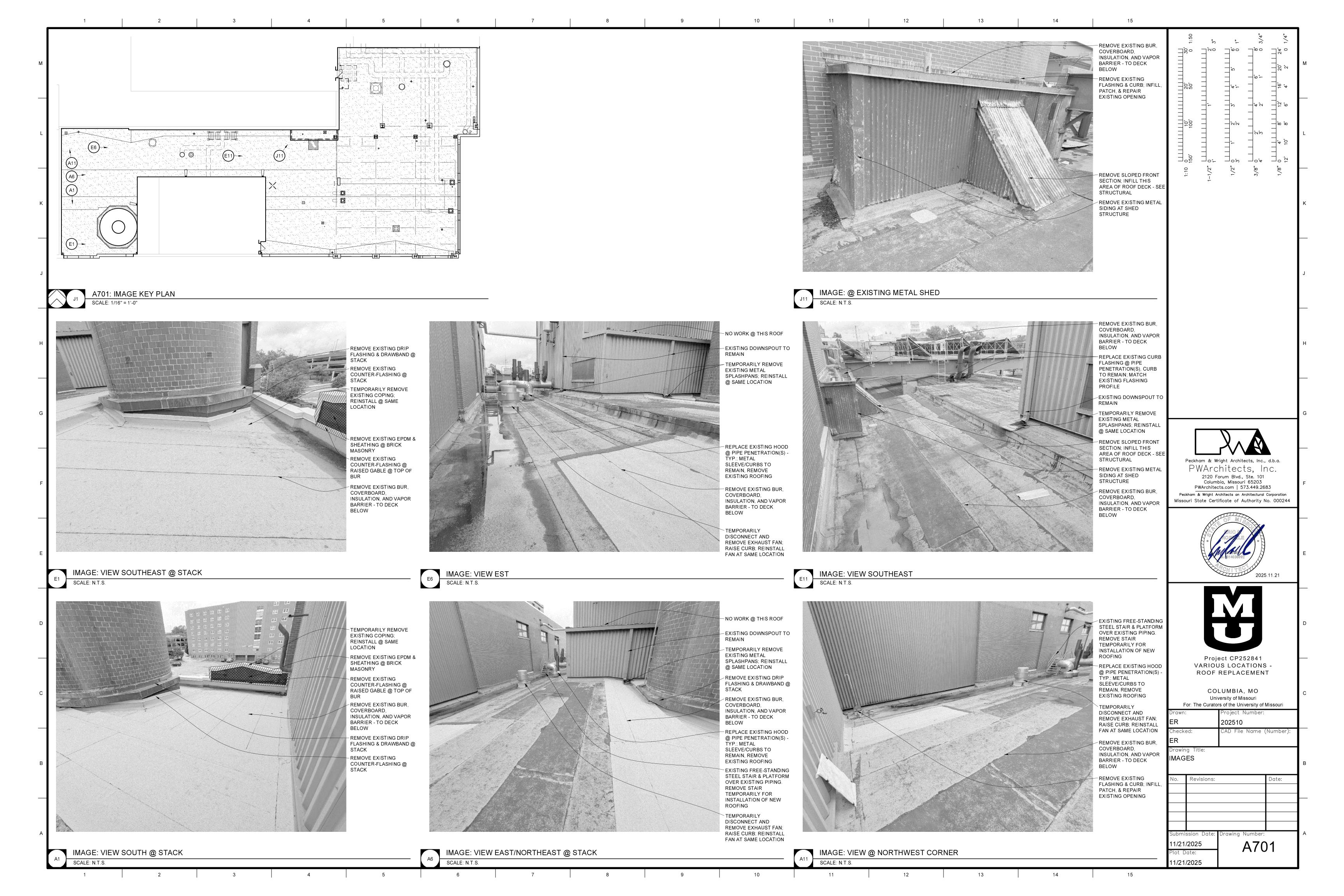


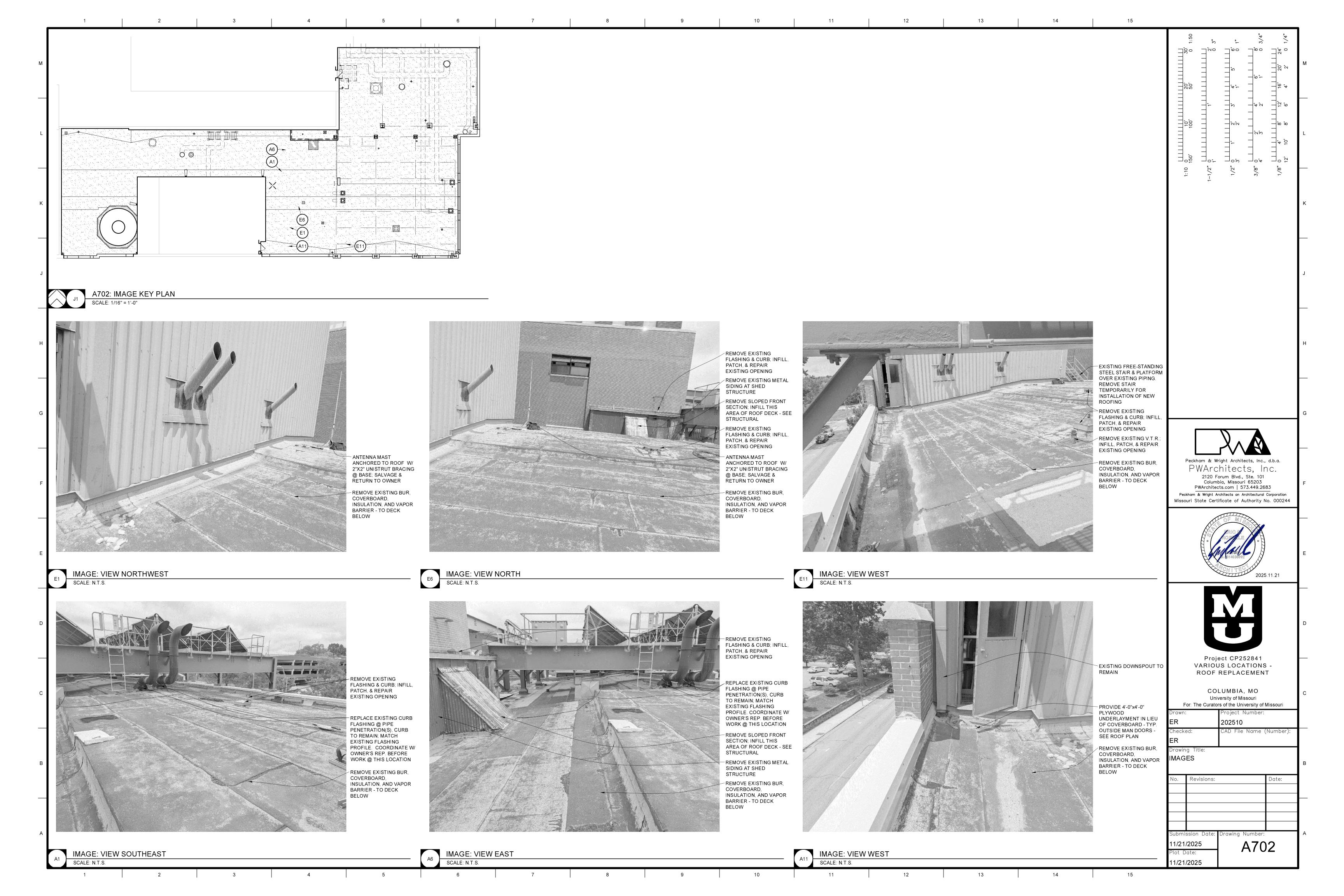


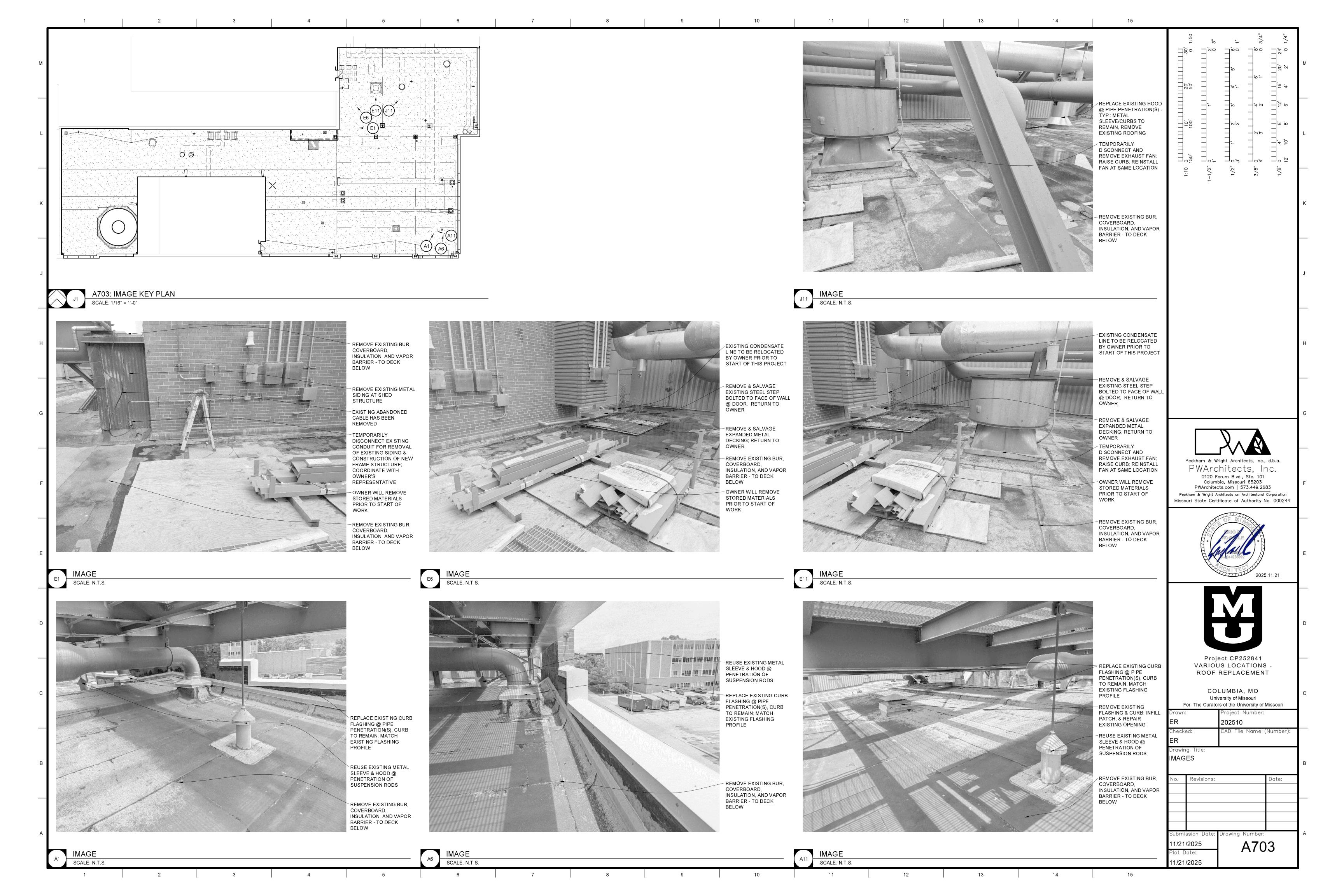


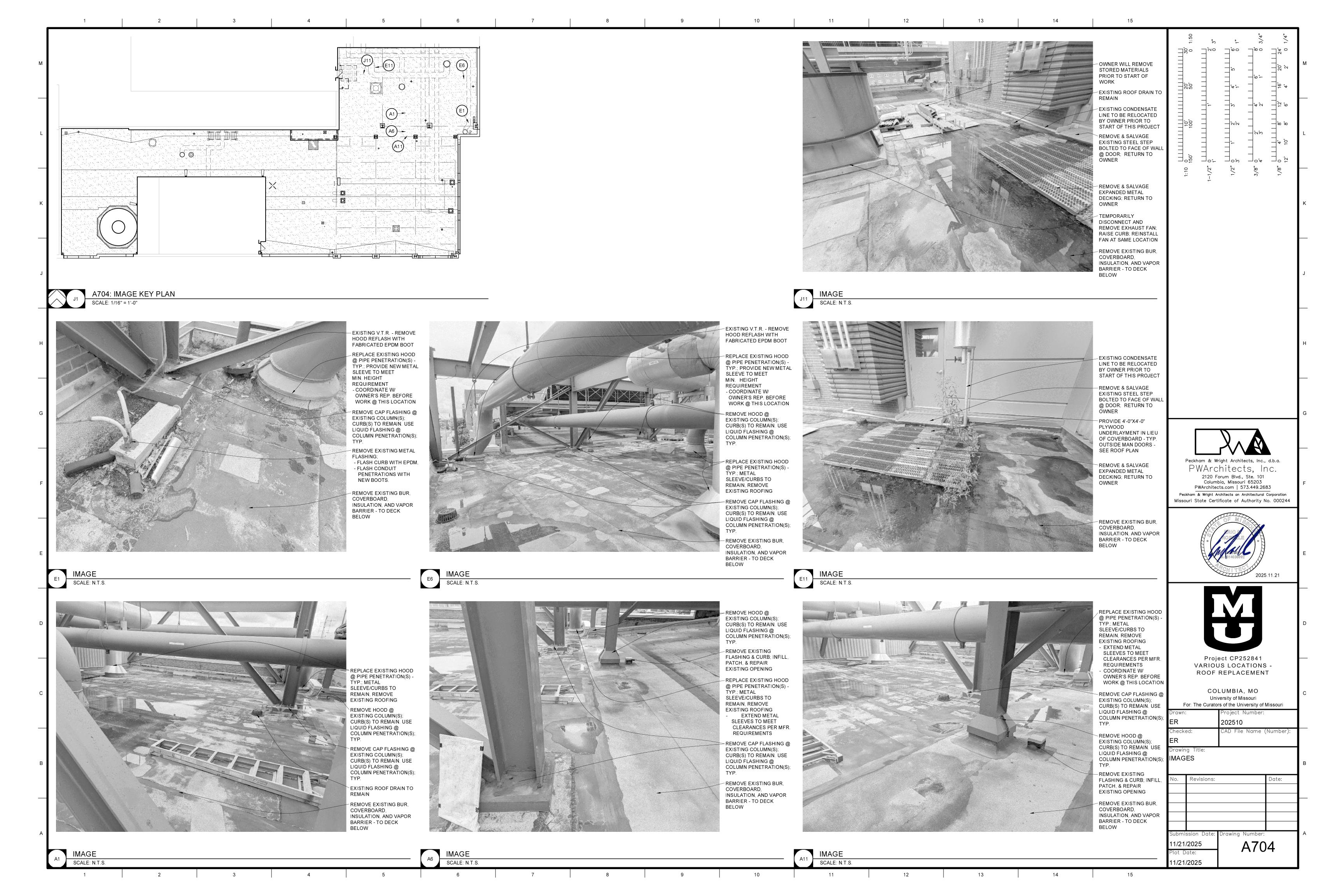


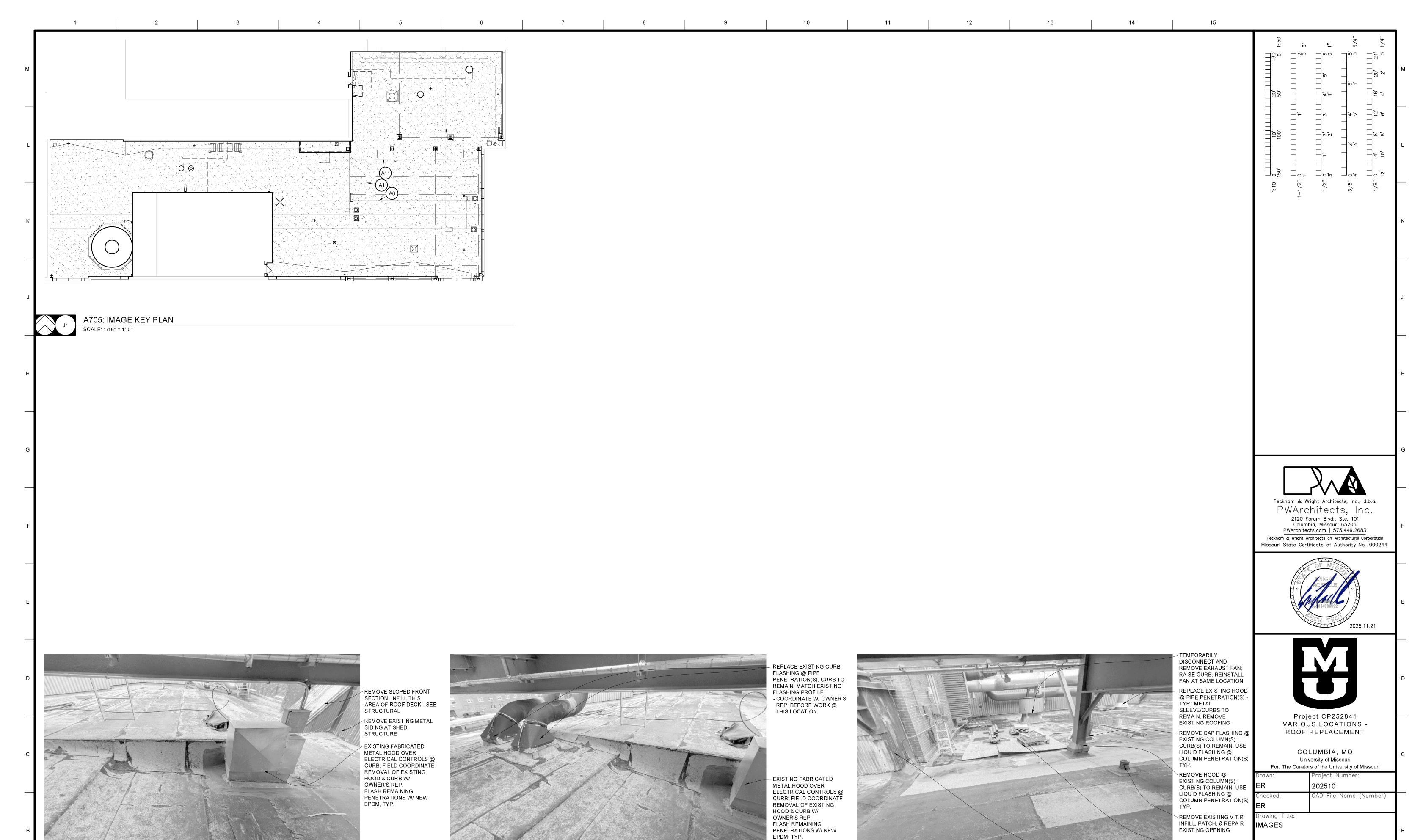












REMOVE EXISTING BUR,

INSULATION, AND VAPOR BARRIER - TO DECK

COVERBOARD,

BELOW

IMAGE IMAGE IMAGE SCALE: N.T.S. SCALE: N.T.S. SCALE: N.T.S.

REMOVE EXISTING BUR,

INSULATION, AND VAPOR BARRIER - TO DECK

COVERBOARD,

BELOW

REMOVE EXISTING BUR, COVERBOARD, INSULATION, AND VAPOR BARRIER - TO DECK BELOW

OWNER WILL REMOVE STORED MATERIALS

PRIOR TO START OF

SIDING AT SHED

STRUCTURE

WORK

REMOVE EXISTING METAL A705 1/21/2025

11/21/2025