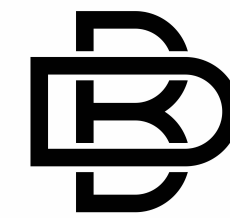


HVAC Repairs, Blade & Paint Shop Building Missouri National Guard **AVCRAD Army Aviation Site** Springfield, Missouri



BUXTON KUBIK DODD
DESIGN COLLECTIVE
3180 S. NATIONAL AVE, STE 300, SPRINGFIELD,
MISSOURI
65807
417.890.5543 P 417.890.0363 F
MISSOURI STATE CERTIFICATE OF AUTHORITY
#A-2006007284

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DESIGNER: BUXTON-KUBIK-DODD, INC.

PROJECT NUMBER: T2329-01

PROJECT MANAGEMENT: MISSOURI NATIONAL GUARD
DESIGN AND CONSTRUCTION OFFICE

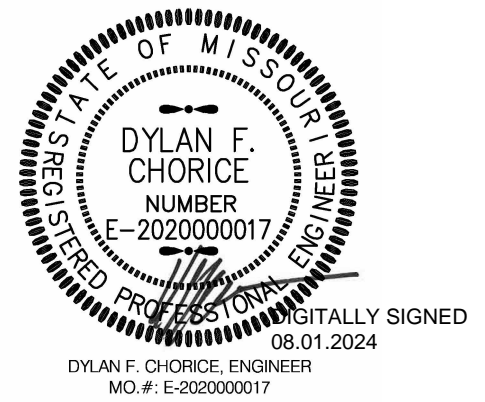
SITE NUMBER: 6270
FACILITY NUMBER: 8136270007

SHEET LIST: (1) G-001 COVER SHEET
(2) M-100 OVERALL PROJECT PLAN
(3) M-101 MECHANICAL JACKETING PLAN
(4) M-102 MECHANICAL JACKETING PLAN

SHEET NUMBER:

G-001

1 OF 4 SHEETS
July 12th, 2024

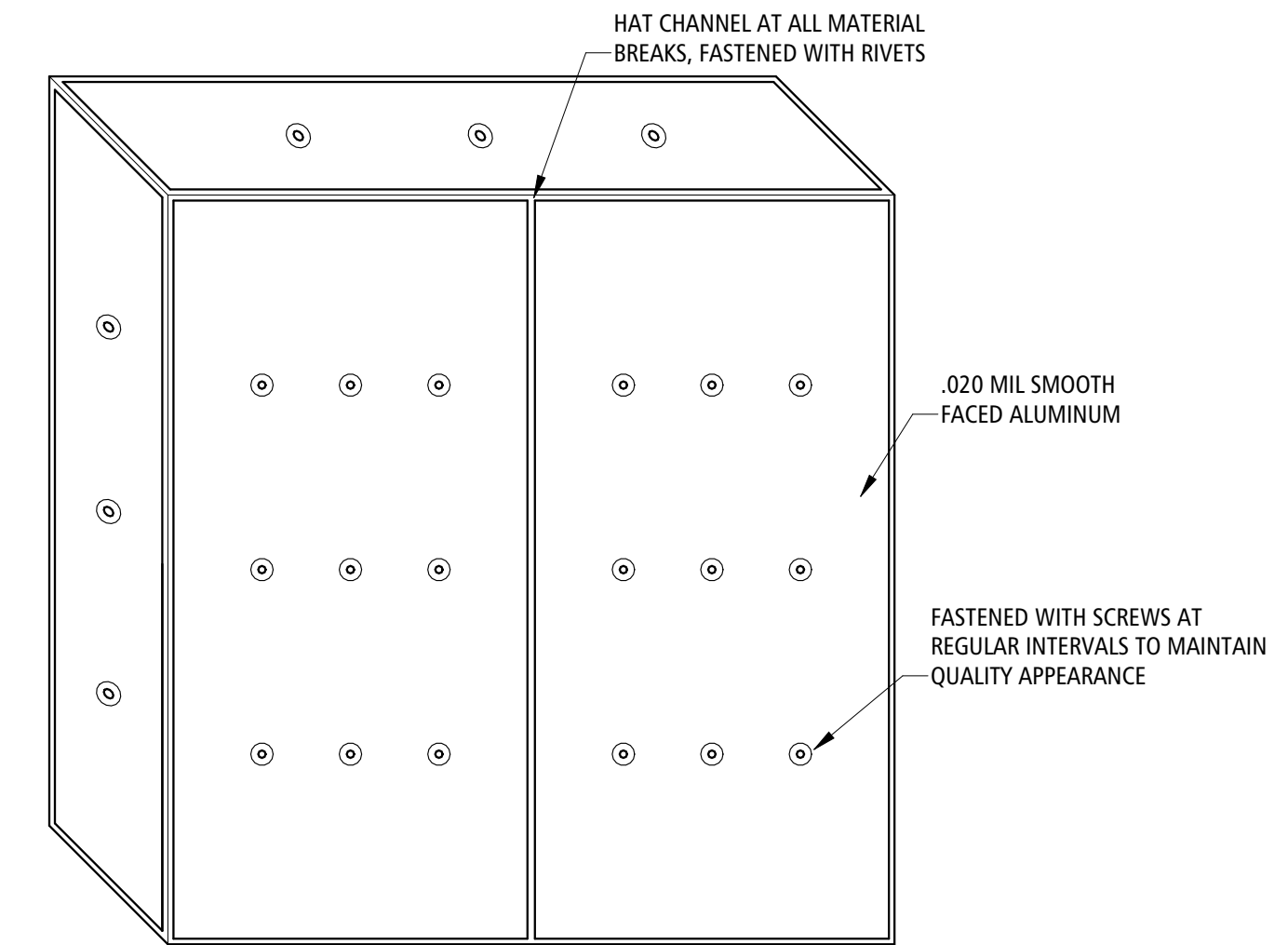
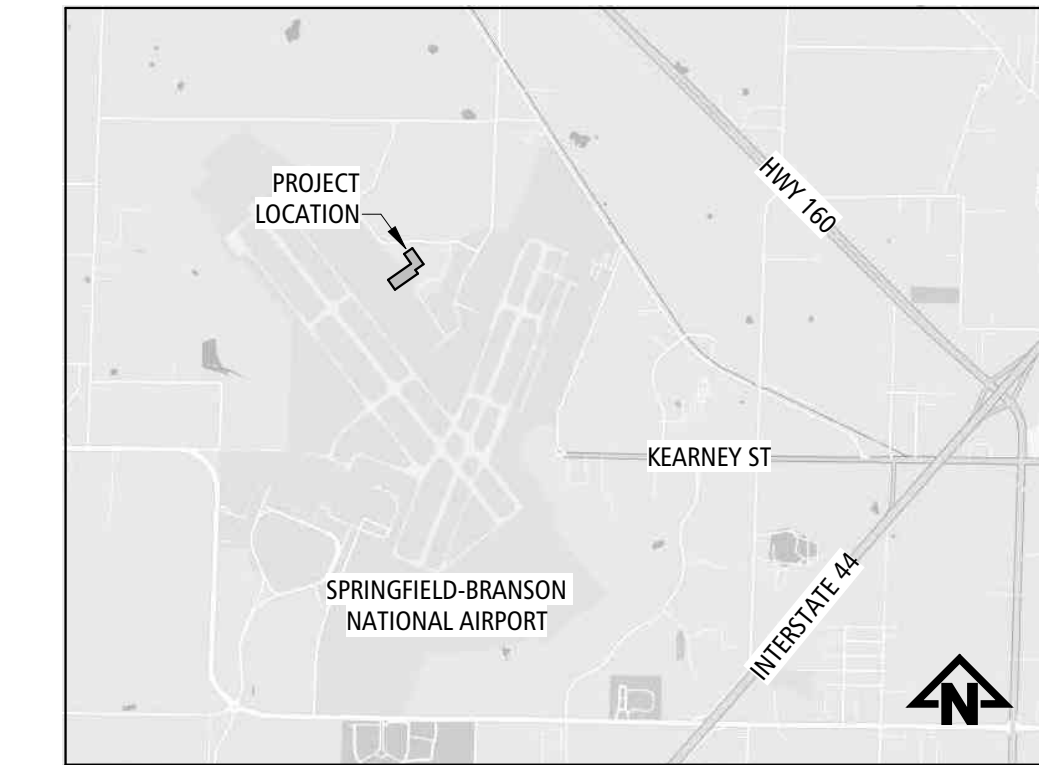


BID ALTERNATES

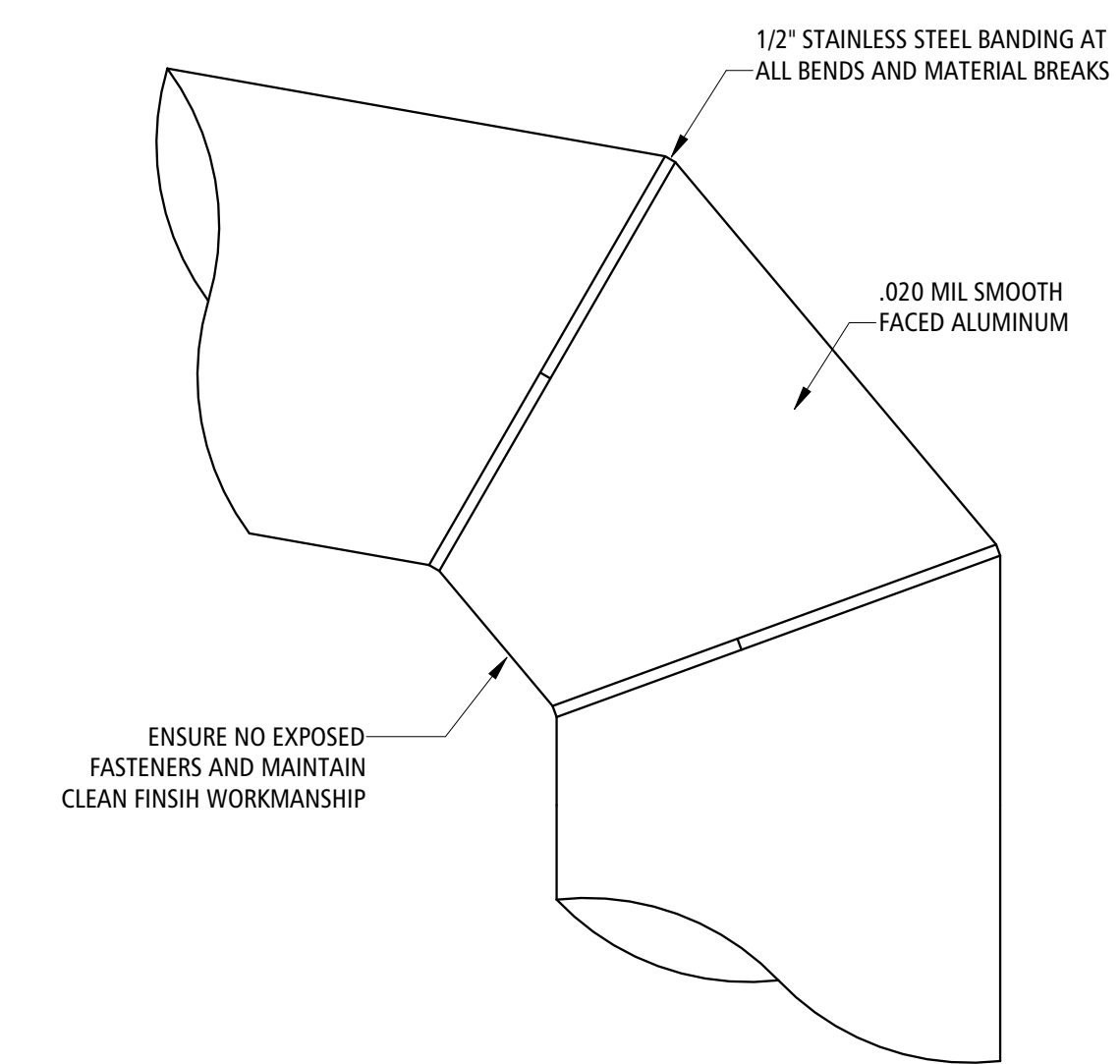
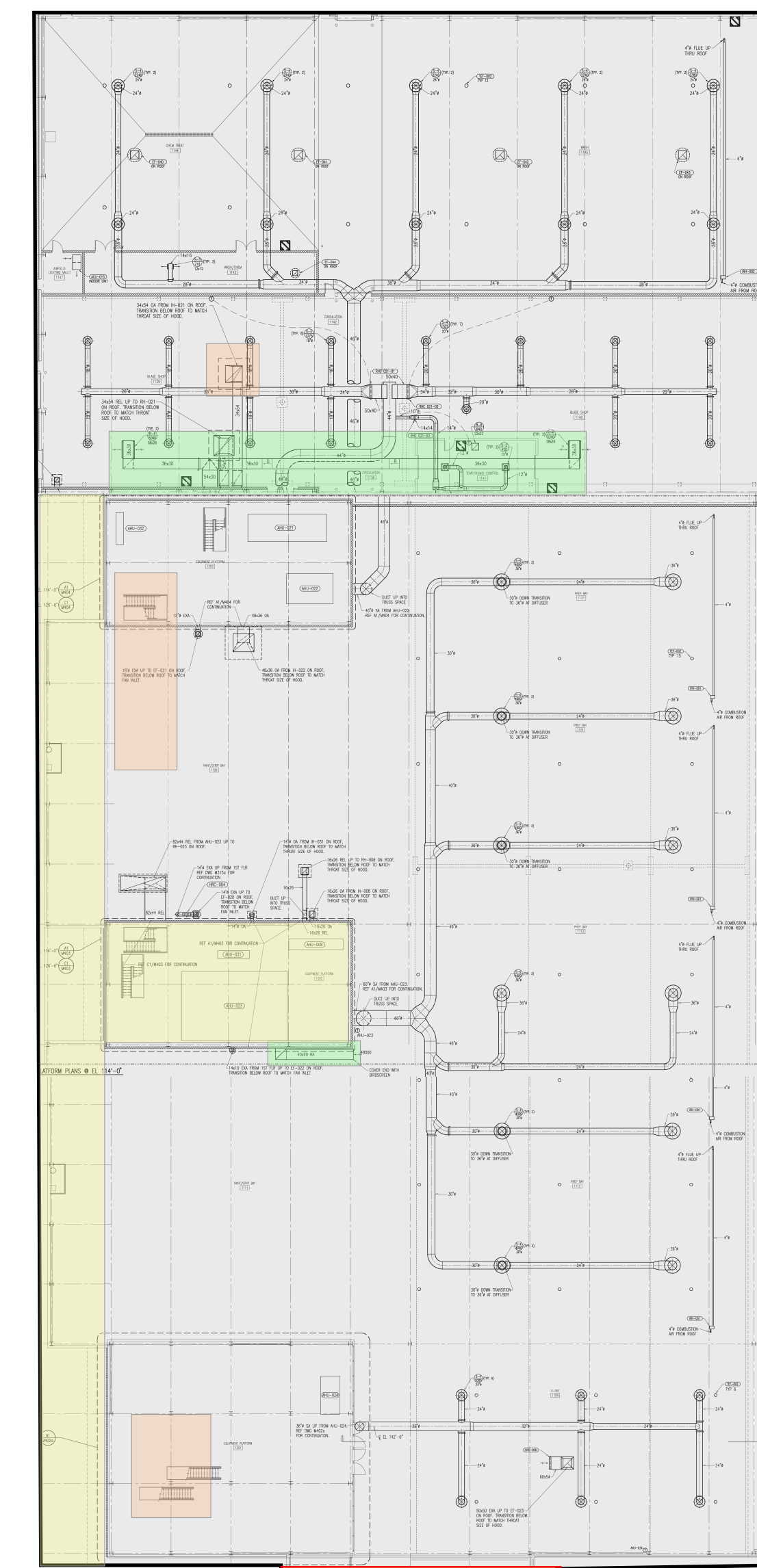
THIS PROJECT WILL CONSIDER BID ALTERNATES FOR BUDGETARY PURPOSES. AREAS THAT ARE EASILY VISIBLE FROM THE PRODUCTION FLOOR OR AREAS THAT MAY INTERFERE WITH SITE MAINTENANCE WILL BE FIRST PRIORITY.

SEE COLOR CODING BELOW FOR BID ALTERNATES:

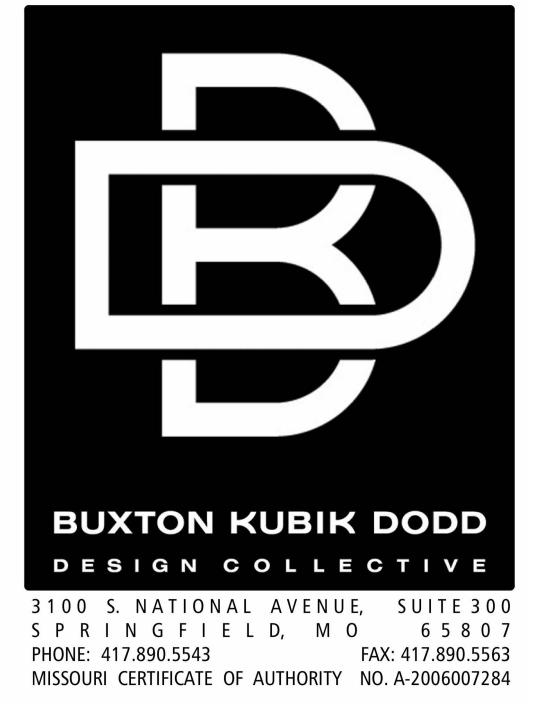
- BASE BID: ■
- ALTERNATE NO. 1: ■
- ALTERNATE NO. 2: ■



RECTANGULAR JACKETING DETAIL 2
SCALE: 1/8" = 1'-0" M-100



ROUND JACKETING DETAIL 1
SCALE: NOT TO SCALE M-100



OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

HVAC REPAIRS, BLADE AND
PAINT SHOP BUILDING

MO - AVCRAD FACILITY
1107TH AVIATION
CLASSIFICATION AND
REPAIR ACTIVITY DEPOT
SPRINGFIELD, MO

PROJECT # T2329-01
SITE # 6270
FACILITY # 8136270007

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/12/2024

CAD DWG FILE: _____
DRAWN BY: DFC
CHECKED BY: JD
DESIGNED BY: DFC

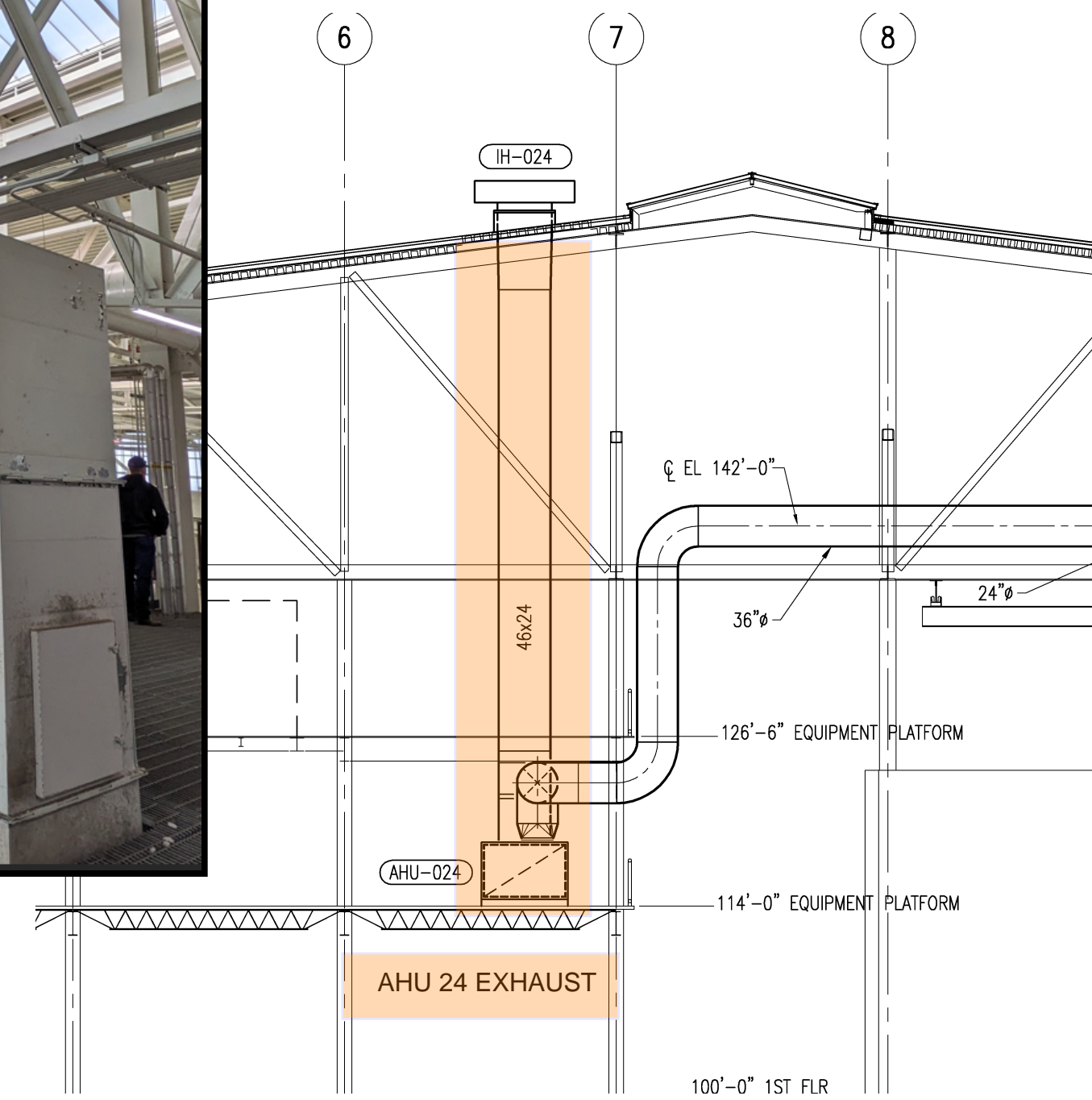
SHEET TITLE:
**OVERALL
PROJECT PLAN**

SHEET NUMBER:

M-100



EXHAUST AIR COLUMN



MECHANICAL GENERAL NOTES:

- A. THE GENERAL NOTES ON THIS SHEET SPACE SHALL APPLY TO ALL OTHER SHEET SPACES.
- B. ALL INSTALLATIONS SHALL CONFORM TO THE 2018 INTERNATIONAL MECHANICAL CODE AND THE CURRENT ADOPTIVE ORDINANCES IN EFFECT FOR SPRINGFIELD, MO.
- C. ANY ADDITIONAL IMPACT COST, DESIGN MODIFICATIONS, ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING SERVICES, MATERIALS, LABOR CHANGES, SCHEDULE CHANGES AND/OR OTHER UNANTICIPATED CONSEQUENCES RESULTING FROM SUBSTITUTIONS IN LIEU OF THE SPECIFIED ITEMS ON THE PLANS AND SPECIFICATIONS SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR, SUBCONTRACTOR, AND/OR SUPPLIER. NO ADDITIONAL COST SHALL BE INCURRED TO THE ARCHITECT, ENGINEER OR OWNER FOR THESE CHANGES.
- D. CLOSELY COORDINATE ALL WORK WITH ALL OTHER TRADES.
- E. ALL MATERIALS IN RETURN AIR PLENUMS SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOTE MORE THAN 50. PER SECTION 602 OF IMC 2018.

JACKETING GENERAL REQUIREMENTS

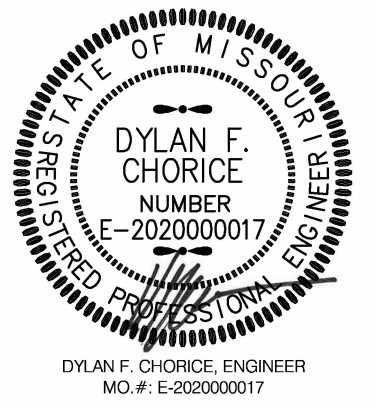
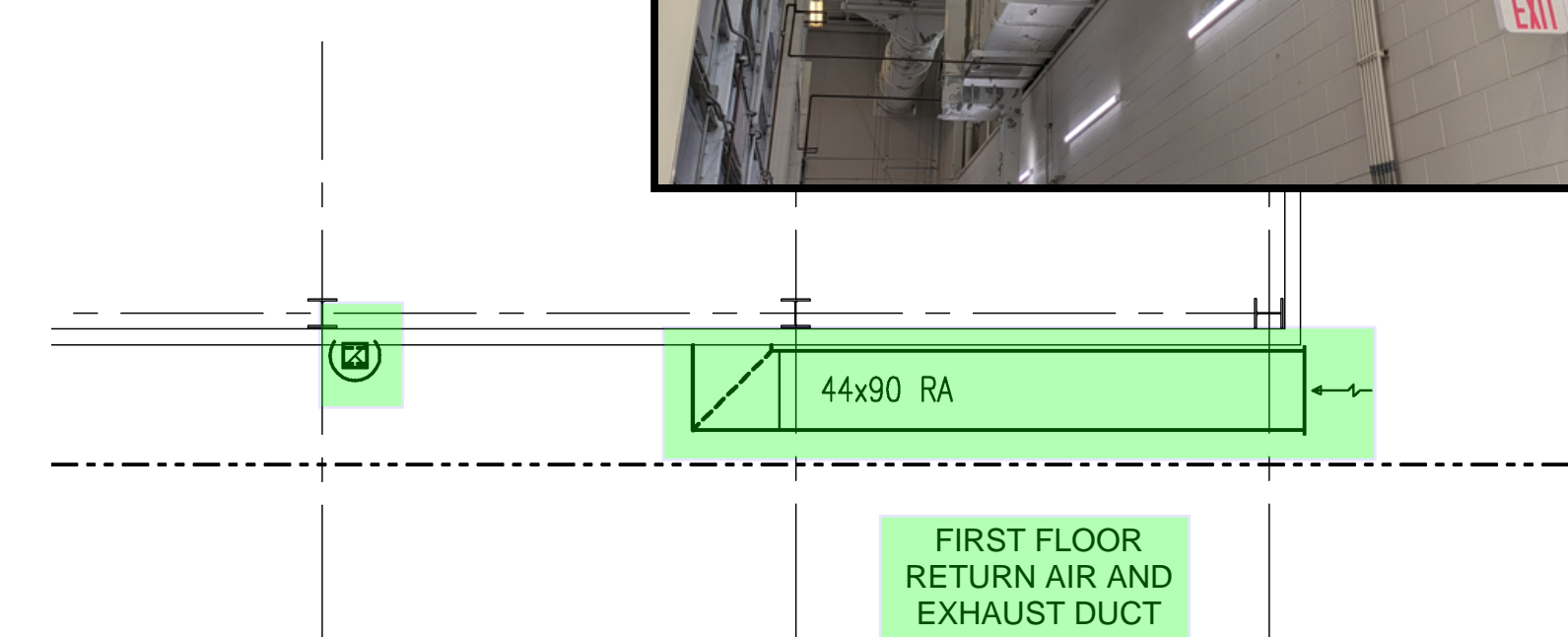
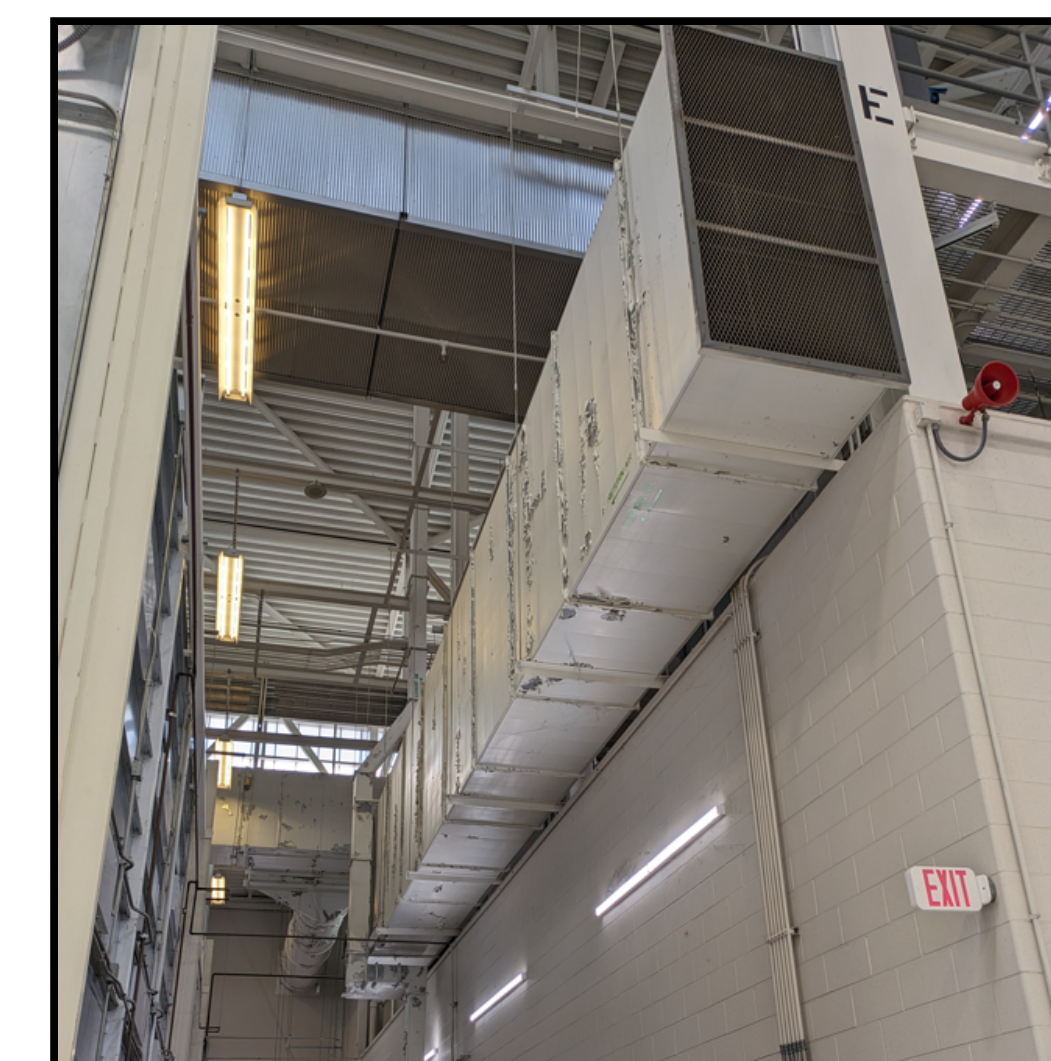
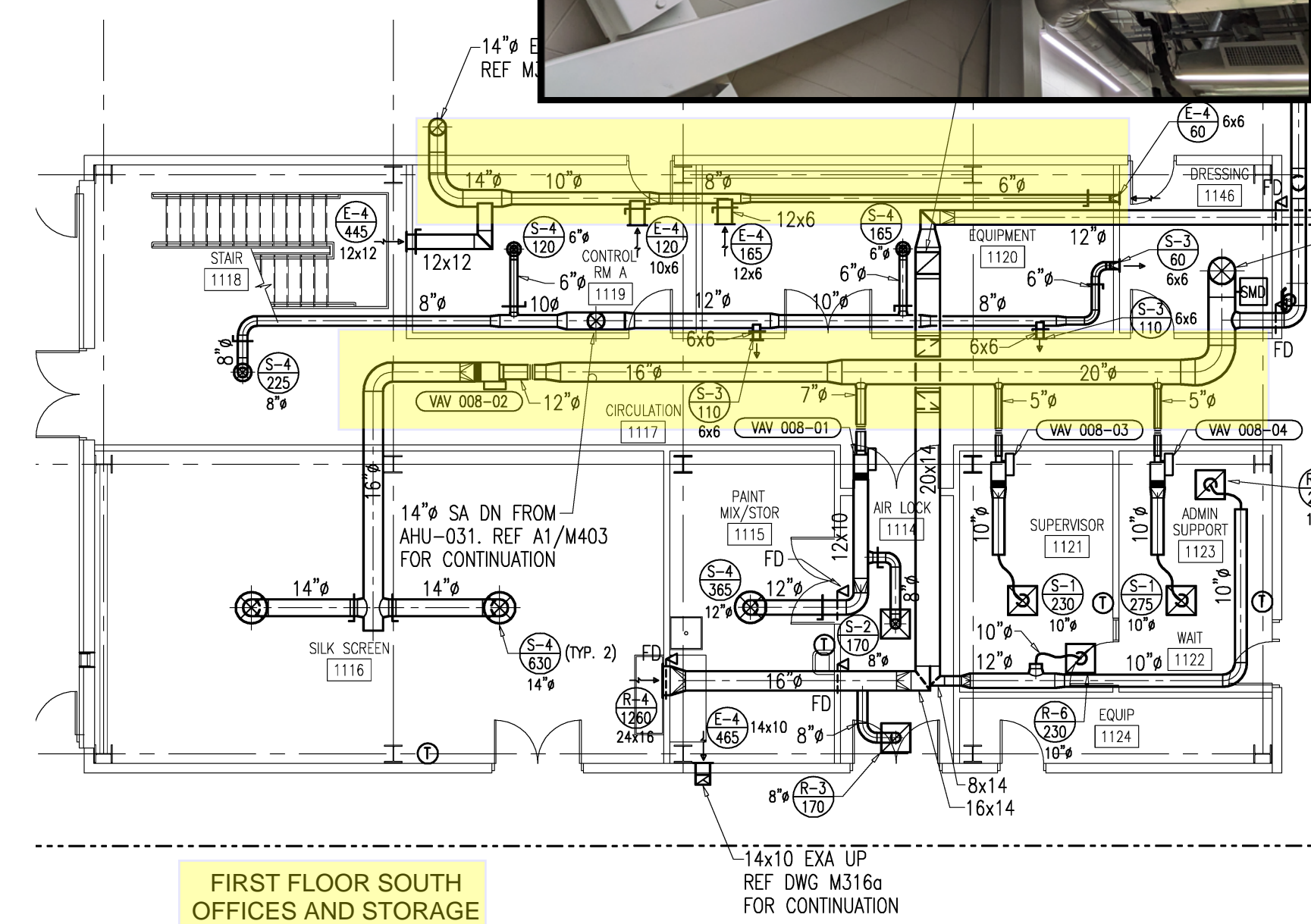
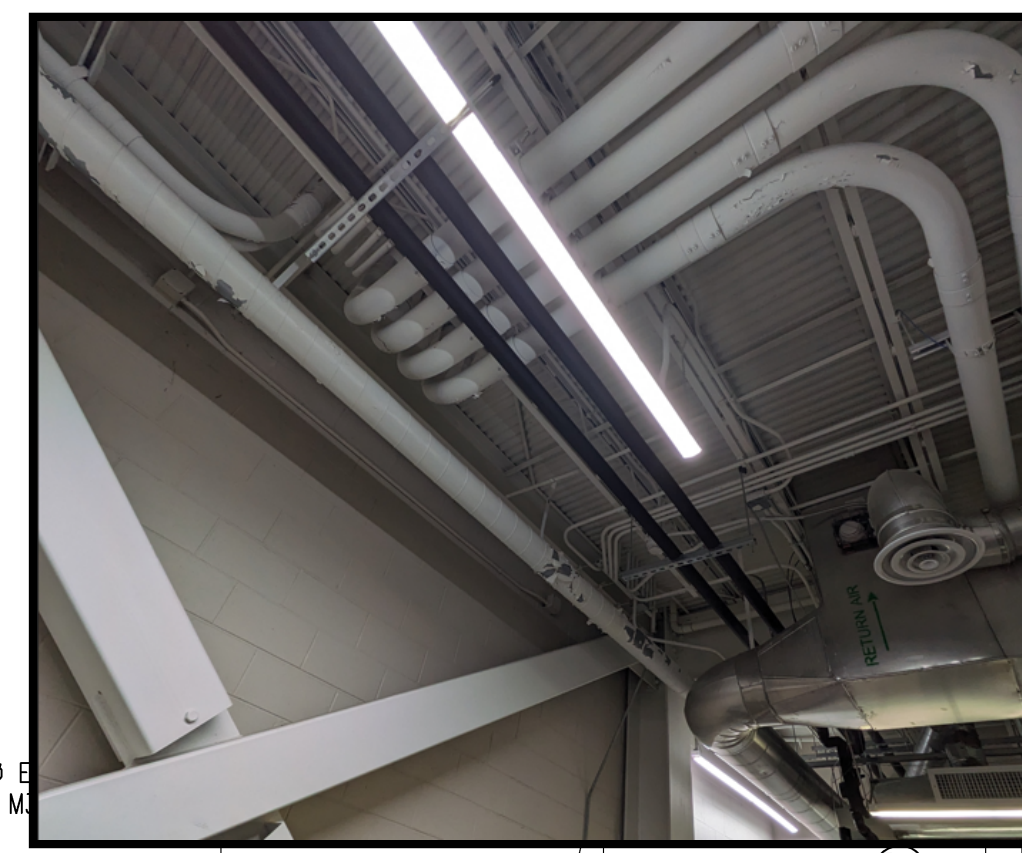
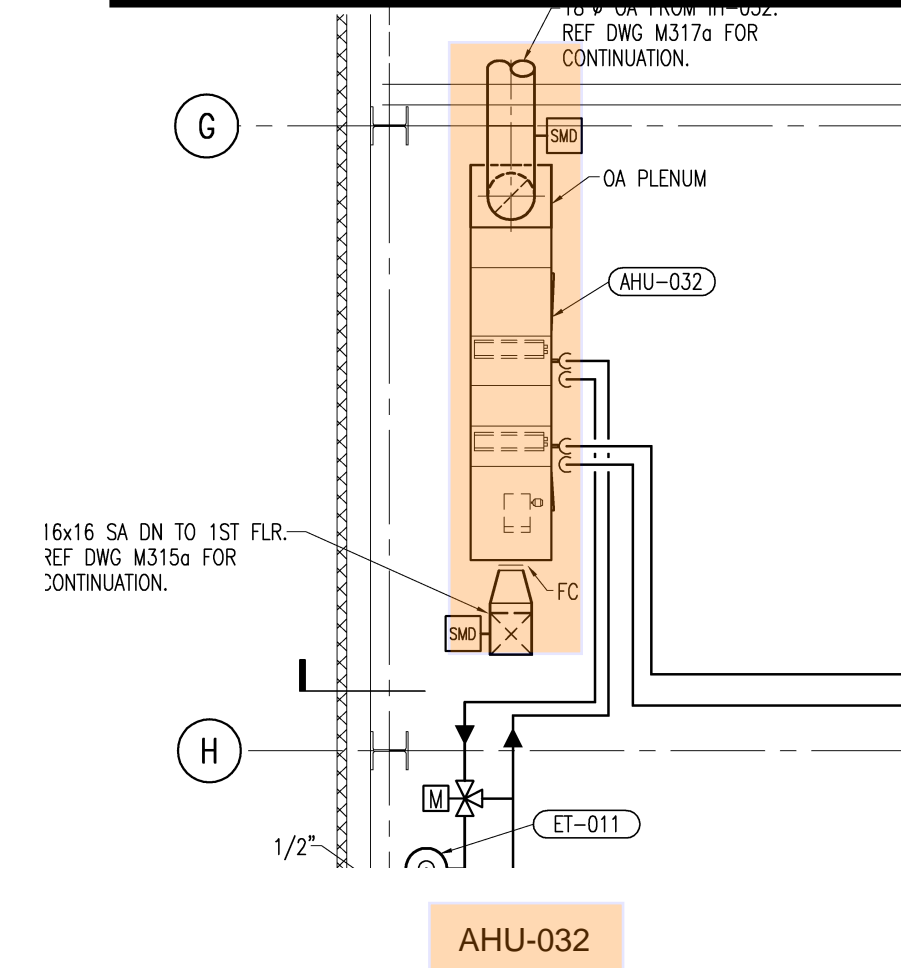
CONTRACTOR TO JACKET ALL AREAS IDENTIFIED ON PLANS WHERE PAINT IS PEELING OFF OF MECHANICAL UNITS AND DUCTWORK. JACKETING DOES NOT HAVE AN R-VALUE REQUIREMENT, BUT MUST BE MINIMUM .020 ALUMINUM JACKETING WITH CLEAN WORKMANSHIP

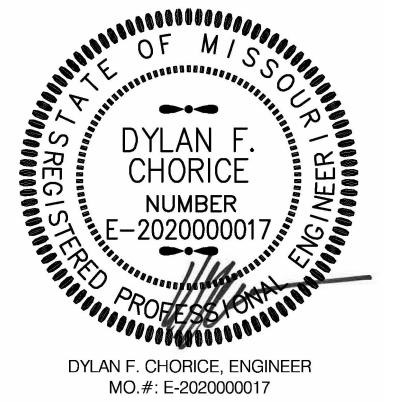
BID ALTERNATES

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SEE COLOR CODING BELOW FOR BID ALTERNATES:

- BASE BID: ■
- ALTERNATE NO. 1: ■
- ALTERNATE NO. 2: ■





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HVAC REPAIRS, BLADE AND
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PROJECT # T2329-01
SITE # 6270
FACILITY # 8136270007

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 07/12/2024

CAD DWG FILE:
DRAWN BY: DFC
CHECKED BY: JD
DESIGNED BY: DFC

SHEET TITLE:
**MECHANICAL
JACKETING PLAN**

SHEET NUMBER:

M-102
4 OF 4 SHEETS
07/12/2024

MECHANICAL GENERAL NOTES:

- A. THE GENERAL NOTES ON THIS SHEET SPACE SHALL APPLY TO ALL OTHER SHEET SPACES.
- B. ALL INSTALLATIONS SHALL CONFORM TO THE 2018 INTERNATIONAL MECHANICAL CODE AND THE CURRENT ADPTIVE ORDINANCES IN EFFECT FOR SPRINGFIELD, MO.
- C. ANY ADDITIONAL IMPACT COST, DESIGN MODIFICATIONS, ADDITIONAL ARCHITECTURAL AND/OR ENGINEERING SERVICES, MATERIALS, LABOR CHANGES, SCHEDULE CHANGES AND/OR OTHER UNANTICIPATED CONSEQUENCES RESULTING FROM SUBSTITUTIONS IN LIEU OF THE SPECIFIED ITEMS ON THE PLANS AND SPECIFICATIONS SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR, SUBCONTRACTOR, AND/OR SUPPLIER. NO ADDITIONAL COST SHALL BE INCURRED TO THE ARCHITECT, ENGINEER OR OWNER FOR THESE CHANGES.
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JACKETING GENERAL REQUIREMENTS

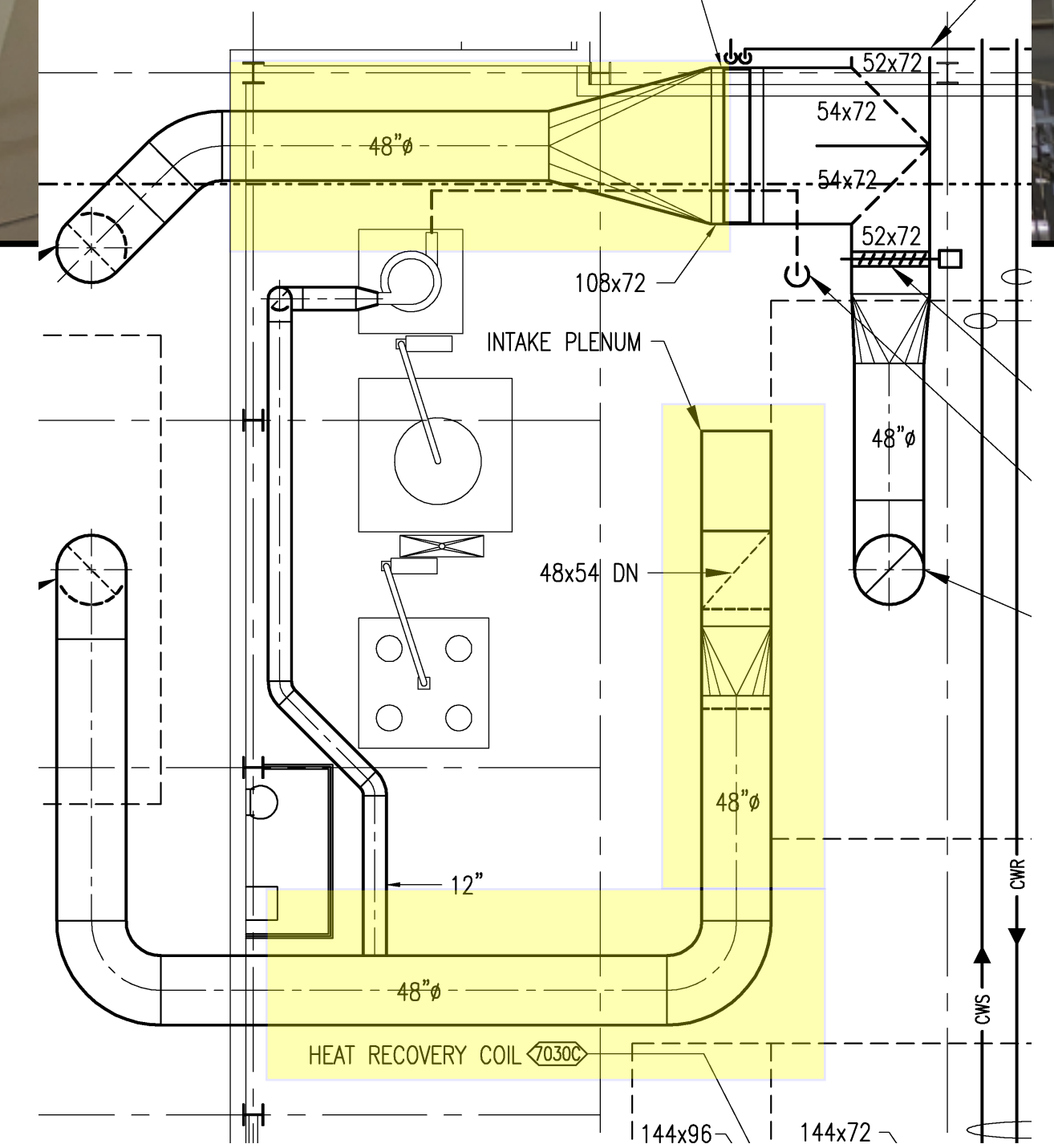
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BID ALTERNATES

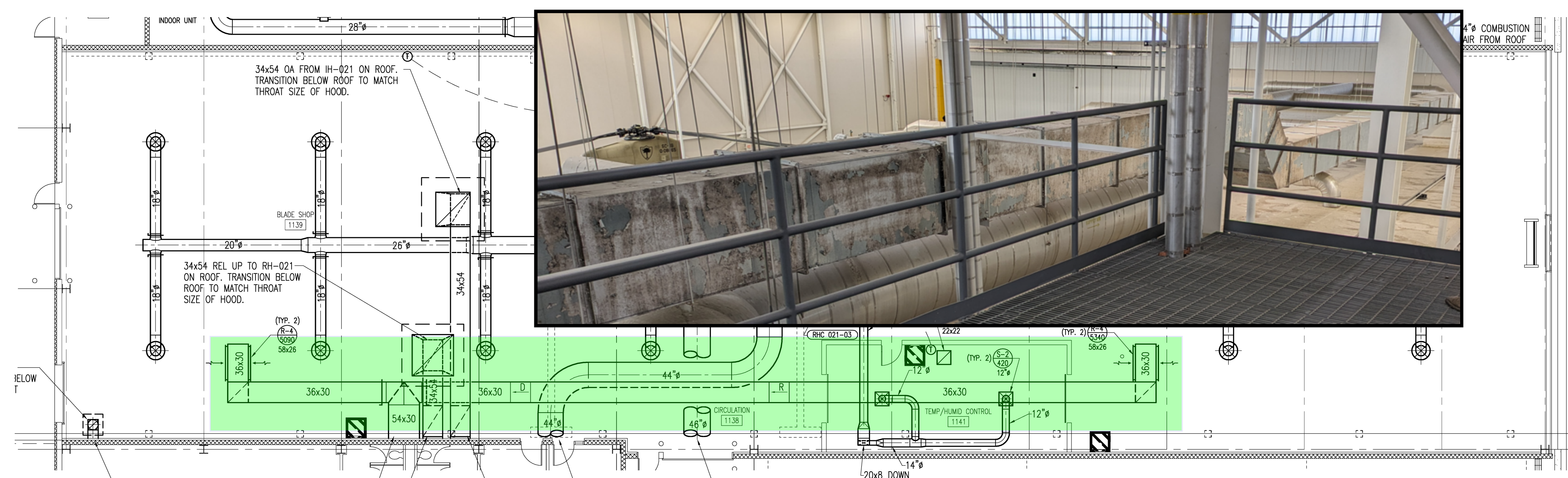
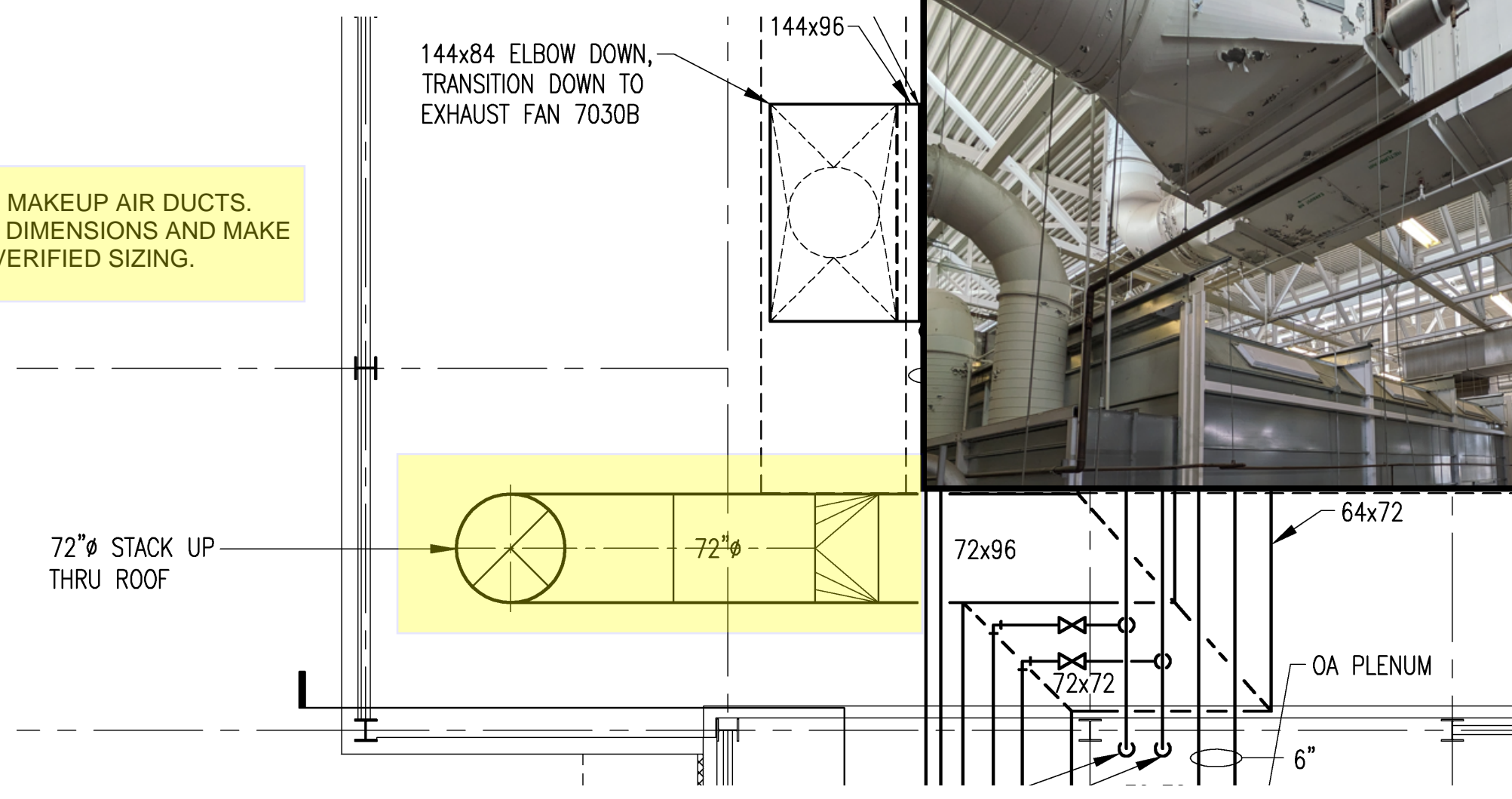
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SEE COLOR CODING BELOW FOR BID ALTERNATES:

- BASE BID: ■
- ALTERNATE NO. 1: ■
- ALTERNATE NO. 2: ■



PAINT BOOTH EXHAUST AND MAKEUP AIR DUCTS. CONTRACTOR TO FIELD VERIFY DIMENSIONS AND MAKE ESTIMATES BASED ON VERIFIED SIZING.



RETURN AIR OVER
BLADE SHOP