

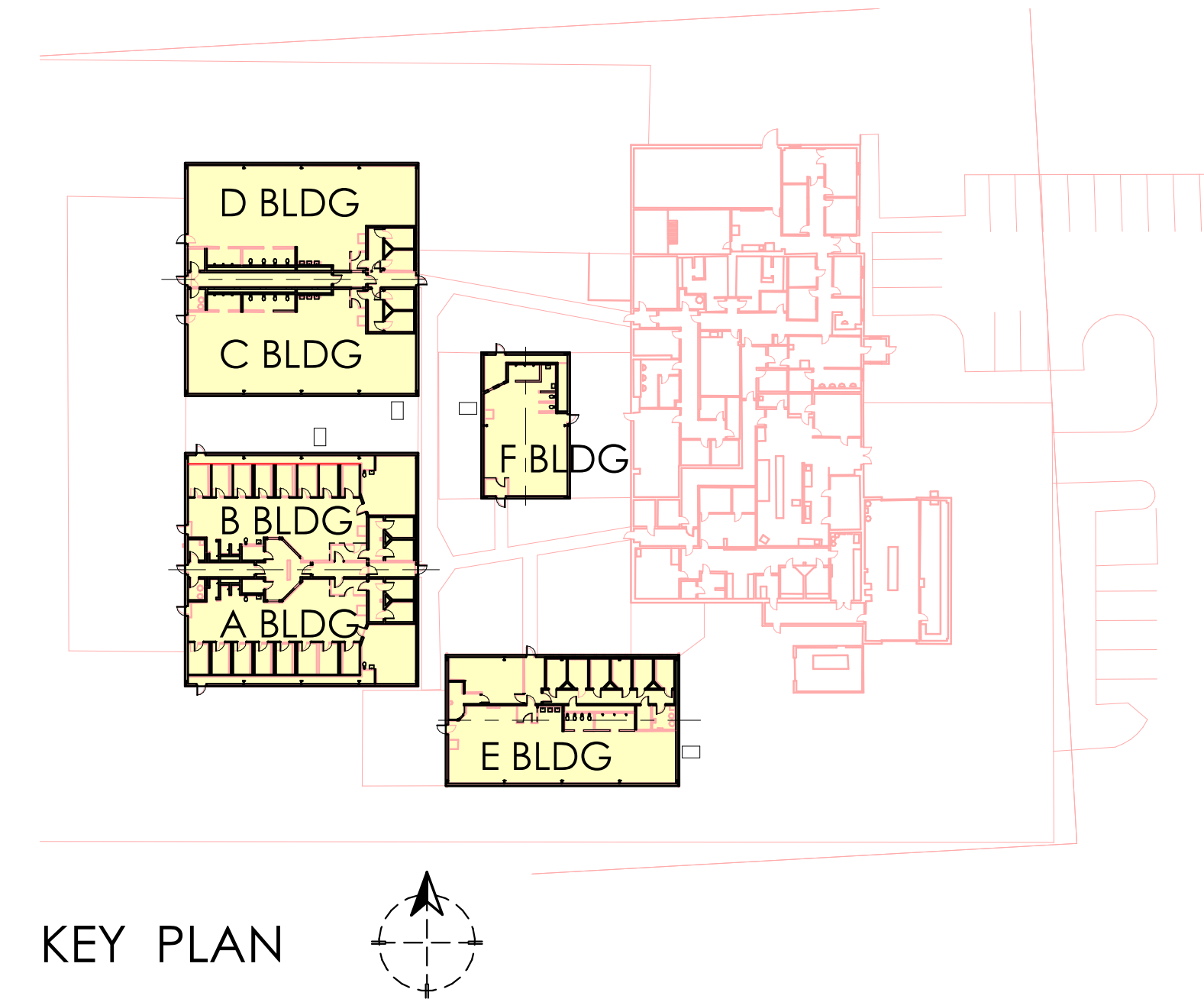
JOHNSON COUNTY DETENTION CENTER

ROOF INSULATION REPLACEMENT

CONSTRUCTION DOCUMENTS

DRAWING LIST

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



SPECIFICATIONS:

FACED METAL BUILDING INSULATION
 Metal Building Insulation meeting the requirements of NAIMA 202-96, with a suitable vapor retarder facing complying with ASTM C 1136 (non-perforated) having a composite flame spread index of 25 or less and a smoke developed index of 50 or less per ASTM E84 or UL 723. R-Value of the insulation to be specified in accordance with applicable energy codes or standards. Insulation to be supplied with an extended tab or tabs to maintain continuity of the facing throughout the roof and walls.

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 · 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
 Filled Cavity / Liner System Banded Metal Building Roof Insulation Systems.
 1. Description: High Performance Single Layer Filled Cavity roof insulation systems.
 U-Factor: 0.047.
 1) Faced Bottom Layer: R-21.
 2) Purlin Depth: 8 inch (203 mm).

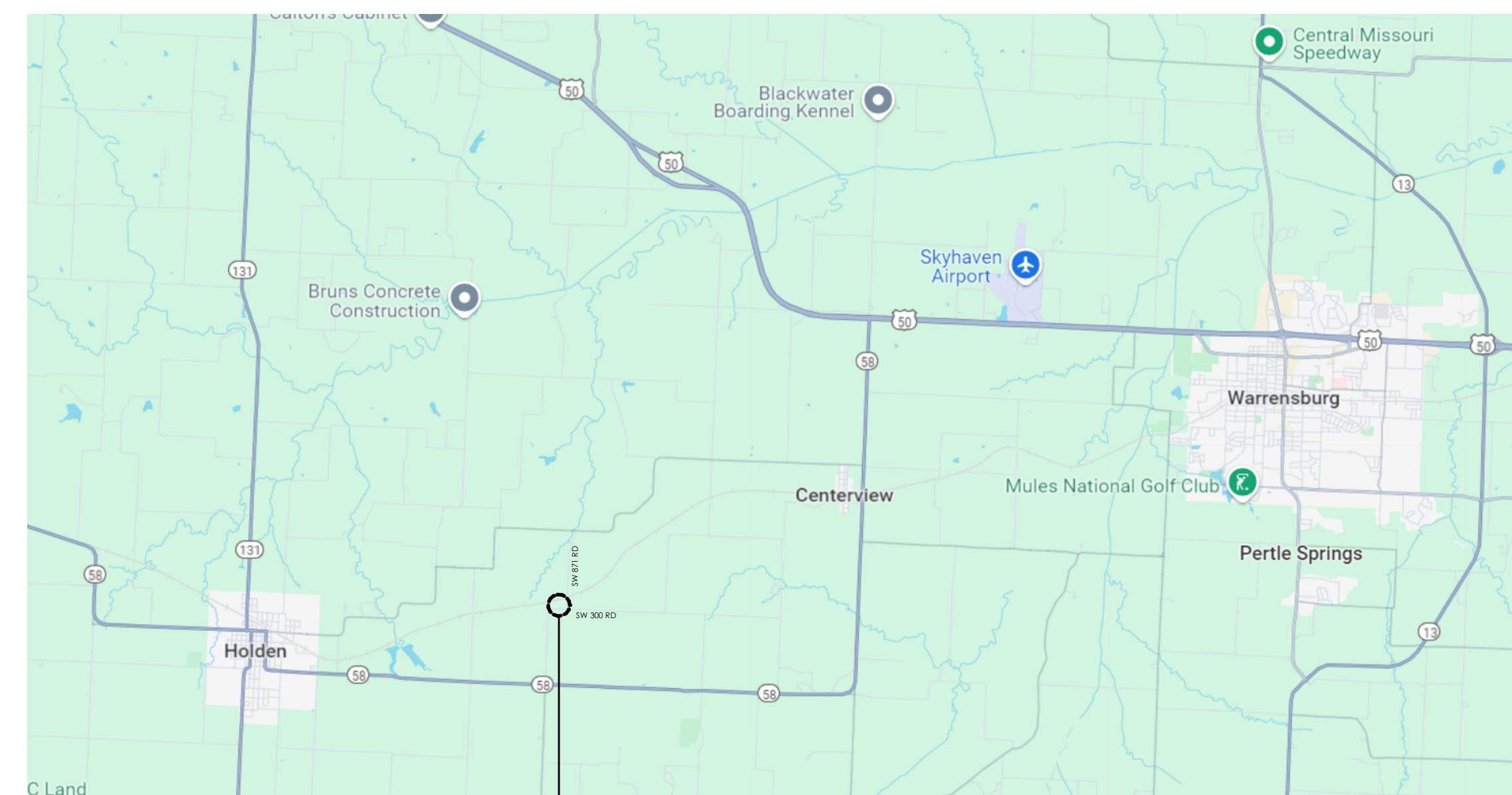
Components:
 a. Fiberglass Insulation: Complying with NAIMA 202-96 specification.
 1) Installed parallel to, and between purlins.
Insulation: Metal Building Insulation with a Vapor Retarder Facing.

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.

LOCATION MAP



PROJECT LOCATION:
 278 SW 871
 CENTERVIEW, MO 64019

SYMBOLS

- Detail Number
- Detail Section
- Sheet Number
- Building Section
- Callout
- Sheet Number
- Detail Number
- Elevation
- Sheet Number
- Room Name
- Room Designation
- Room Number
- Door Number
- Wall Type
- Window Designation
- Keynote Designation
- Spot Elevation
- Revision Symbol

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



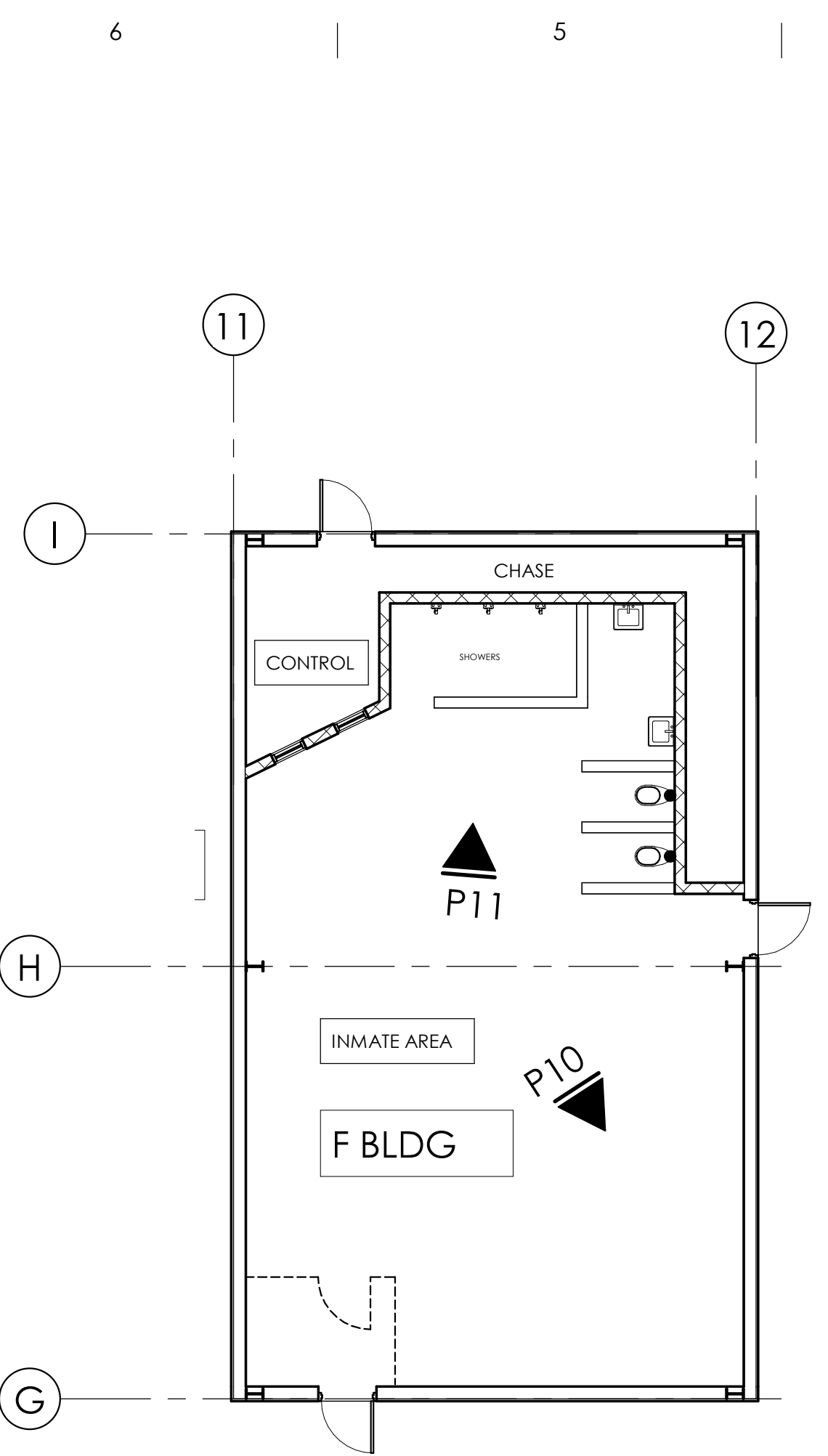
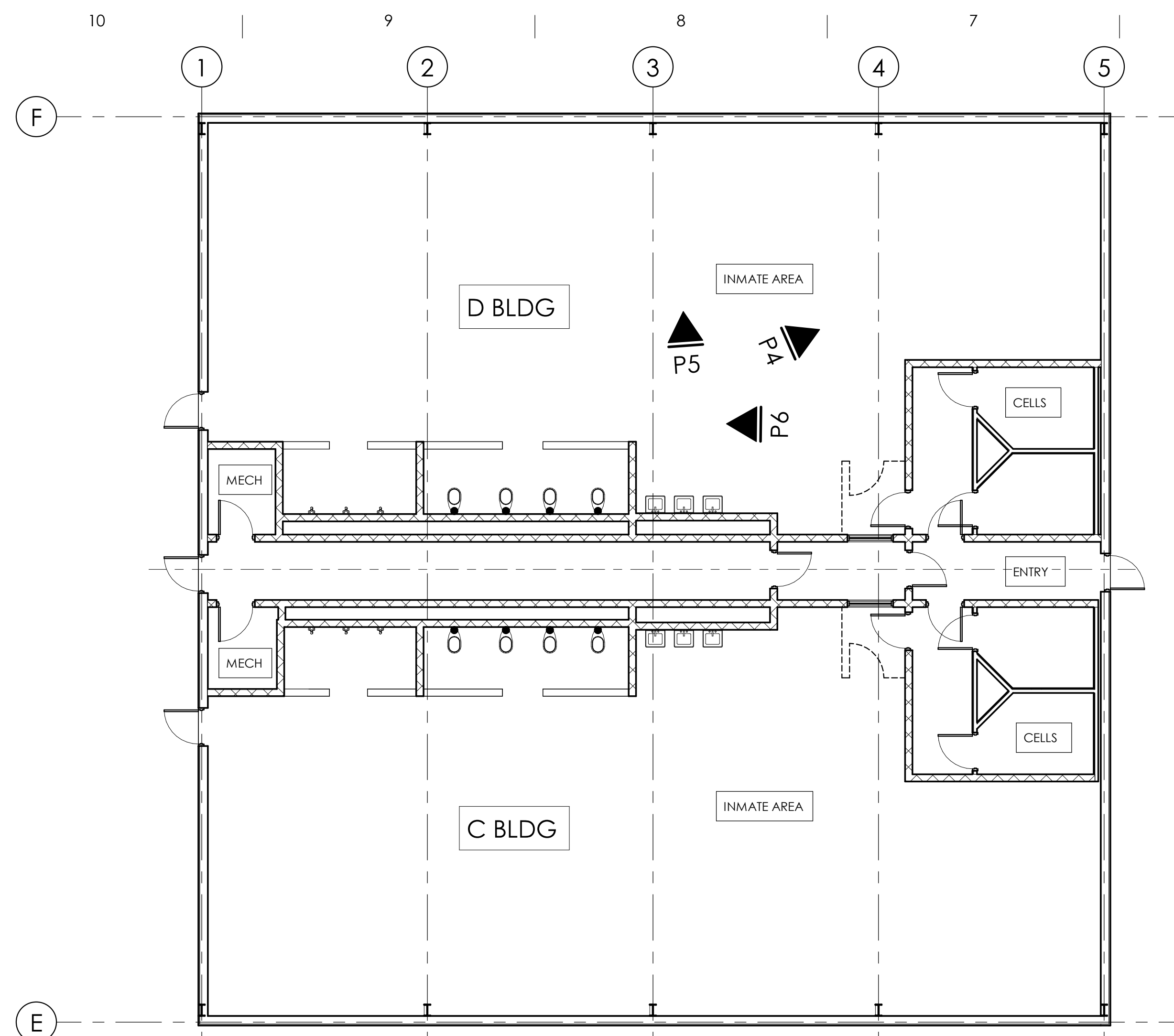
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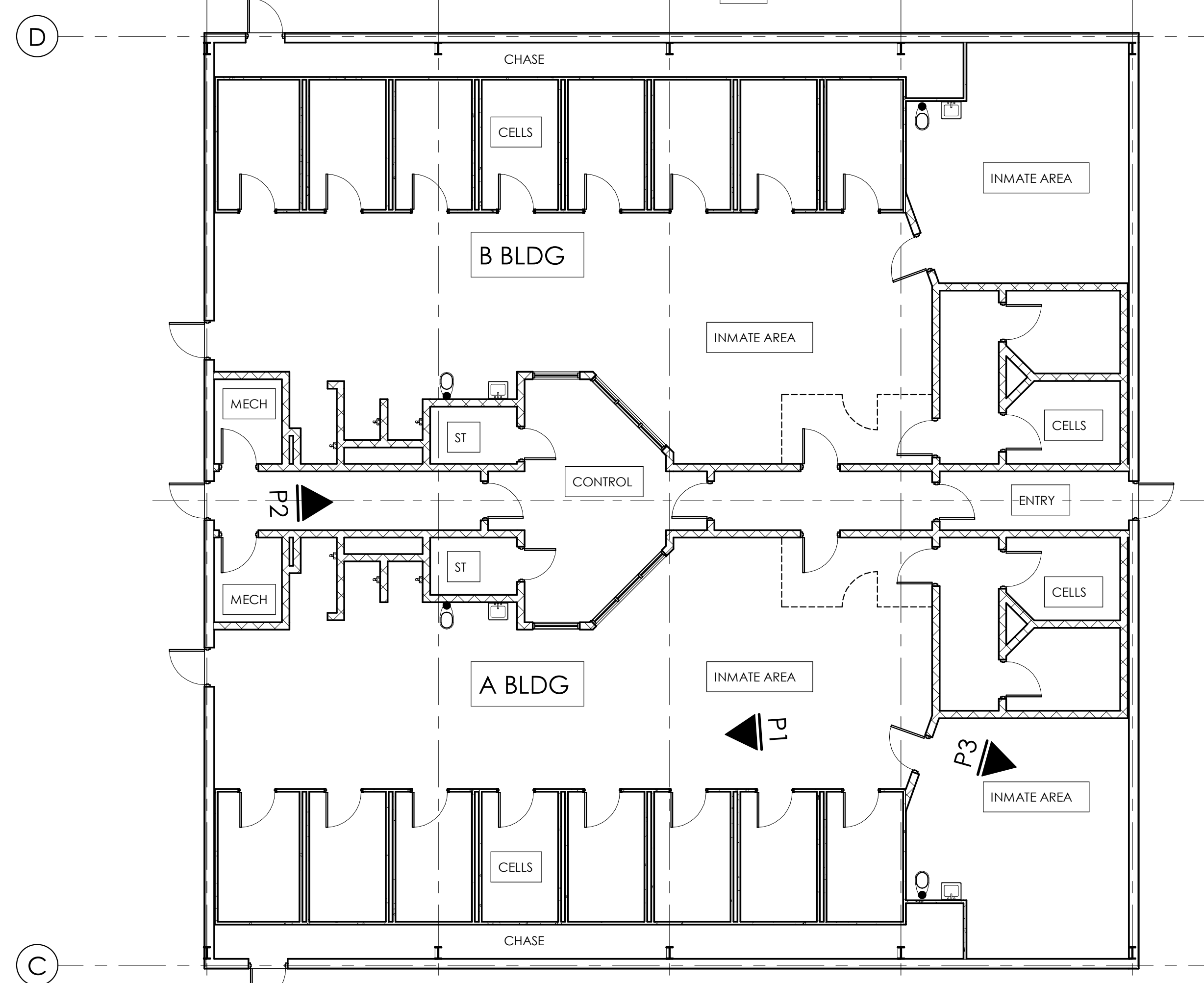
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COVER
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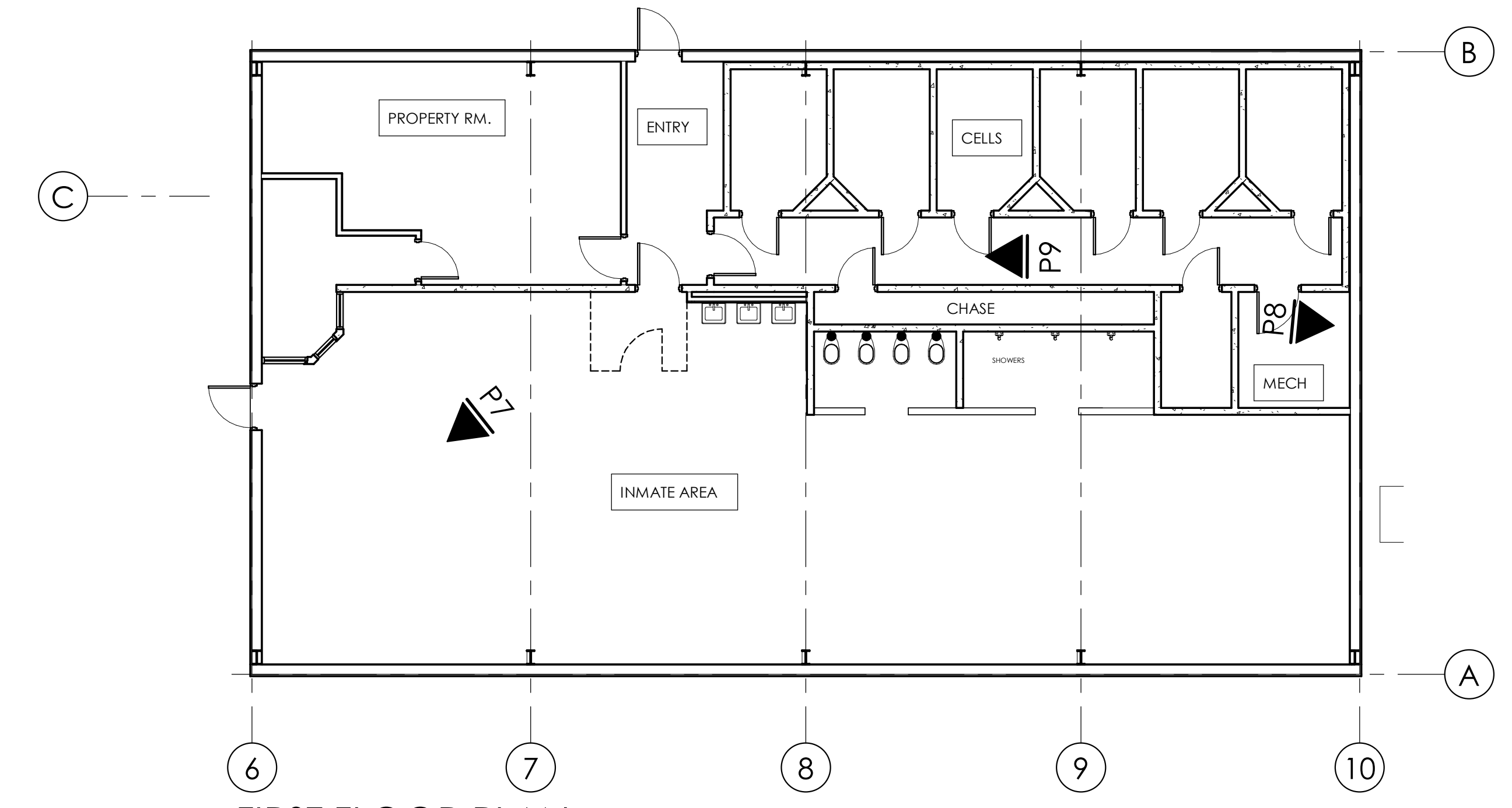
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E5 FIRST FLOOR PLAN
1/8" = 1'-0"



A10 FIRST FLOOR PLAN
1/8" = 1'-0"



A5 FIRST FLOOR PLAN
1/8" = 1'-0"



NOTE:
THIS SHEET IS FOR REFERENCE
ONLY - REFER TO SHEET A5.01
FOR INFORMATION ON
PROJECT SCOPE



JOB NUMBER 23005

JOHNSON COUNTY DETENTION CENTER
ROOF INSULATION REPLACEMENT

278 SW 871
CENTERVIEW, MO 64019

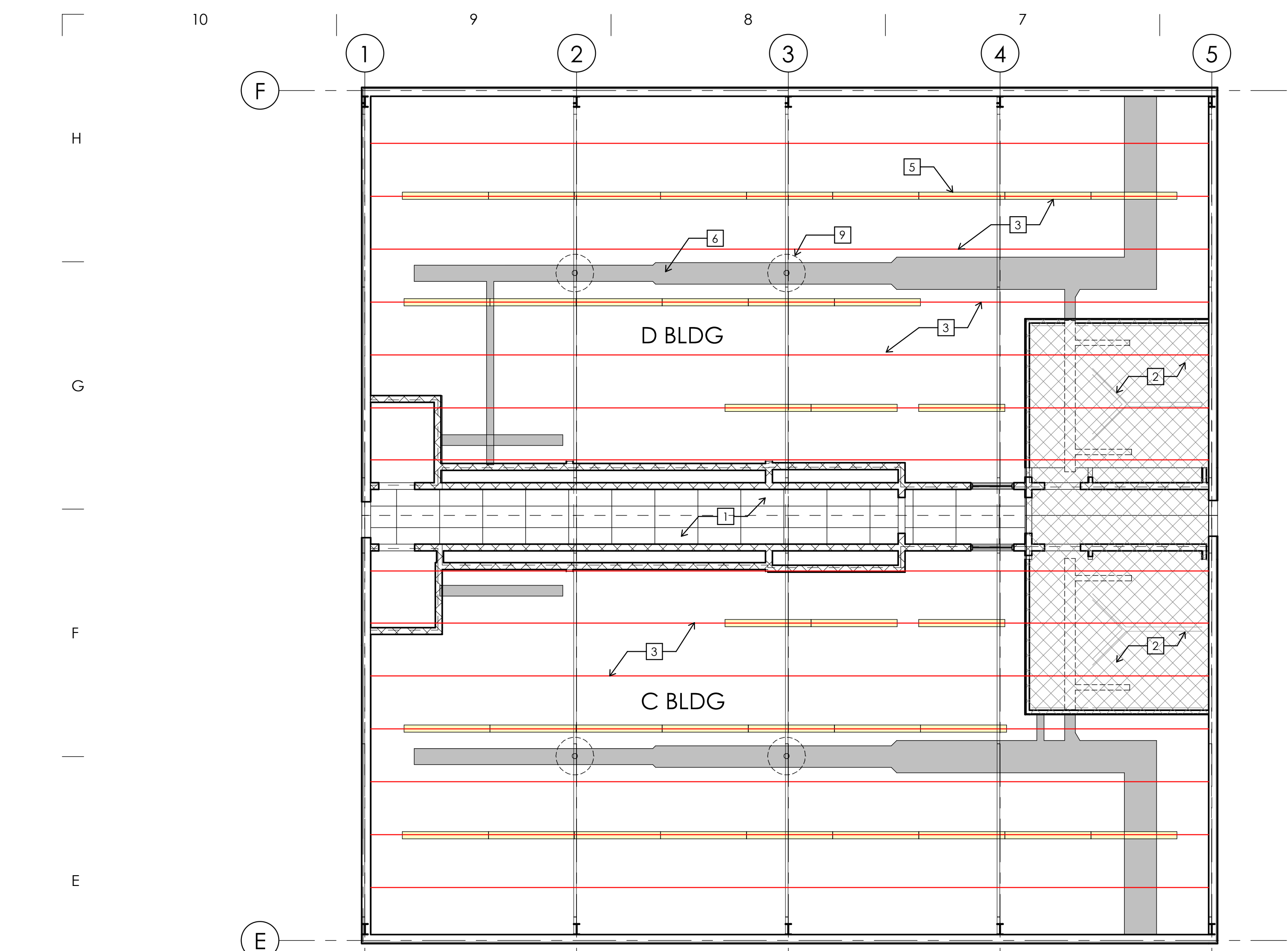
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110 Armour Road North Kansas City, Missouri 64116 Tel: 816.300.4101



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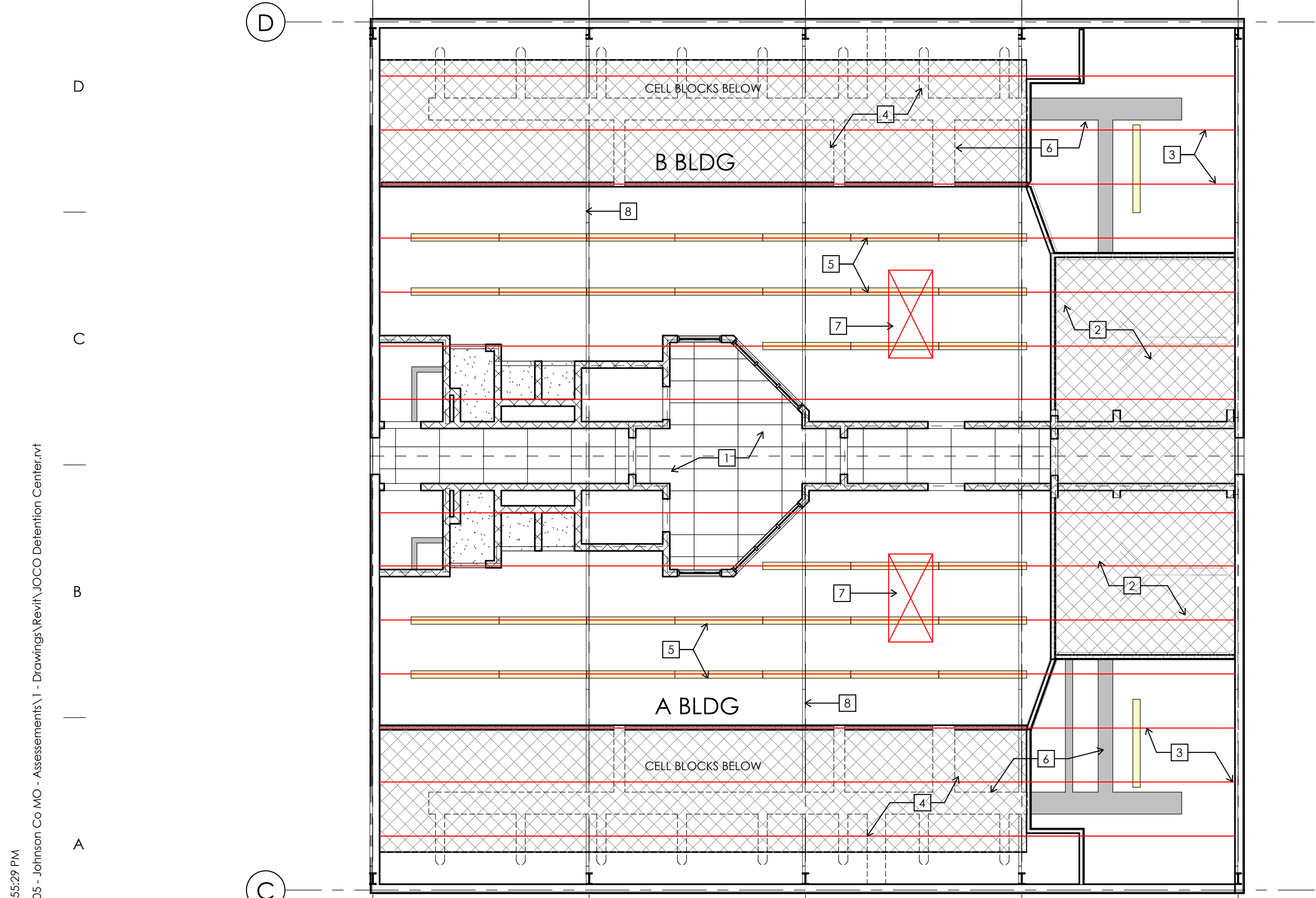
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PLAN
A1.01



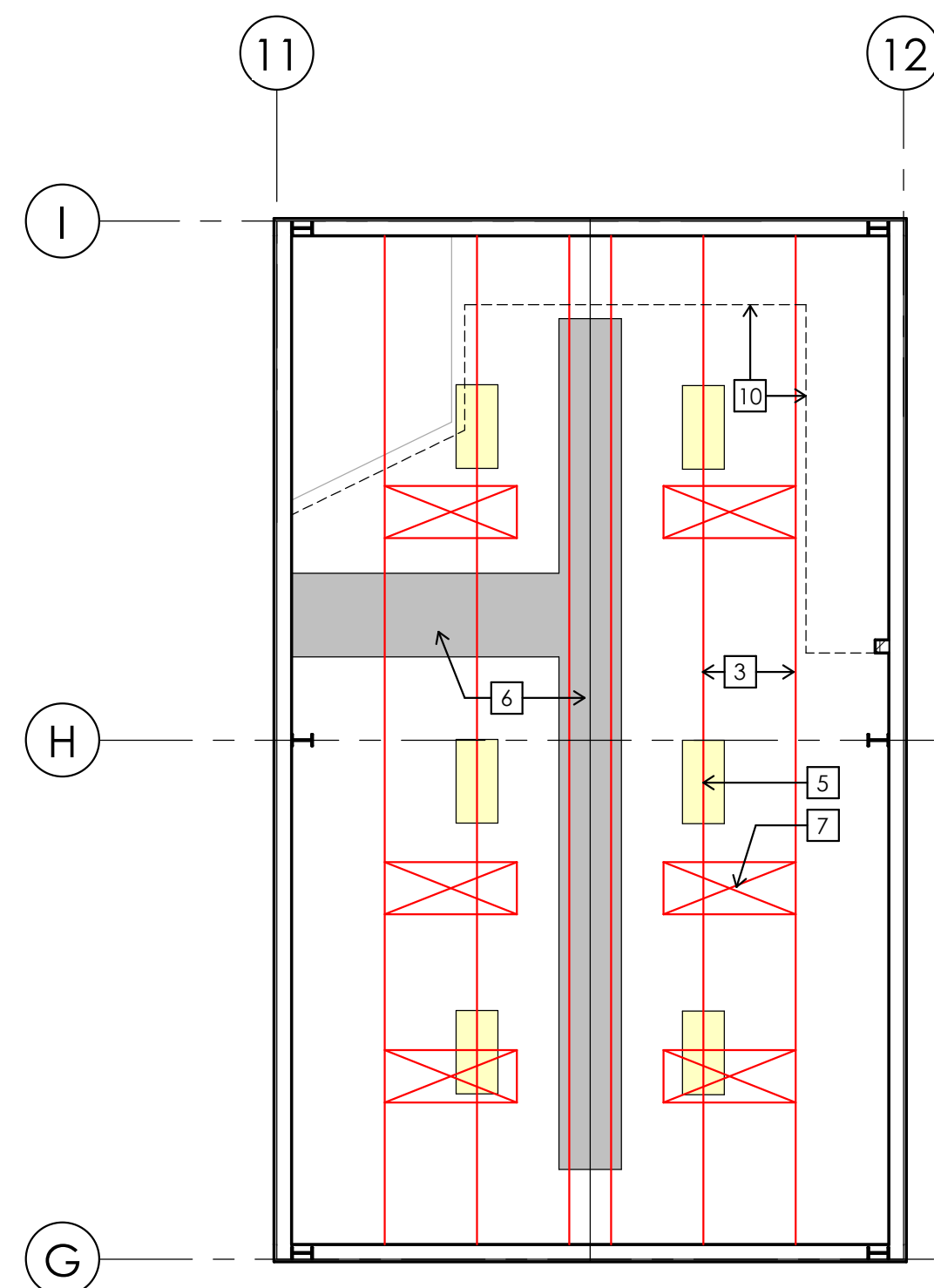
E10 CEILING PLAN C-D
1/8" = 1'-0"

NOTE: EAVE HEIGHT IS APPROX. 16'



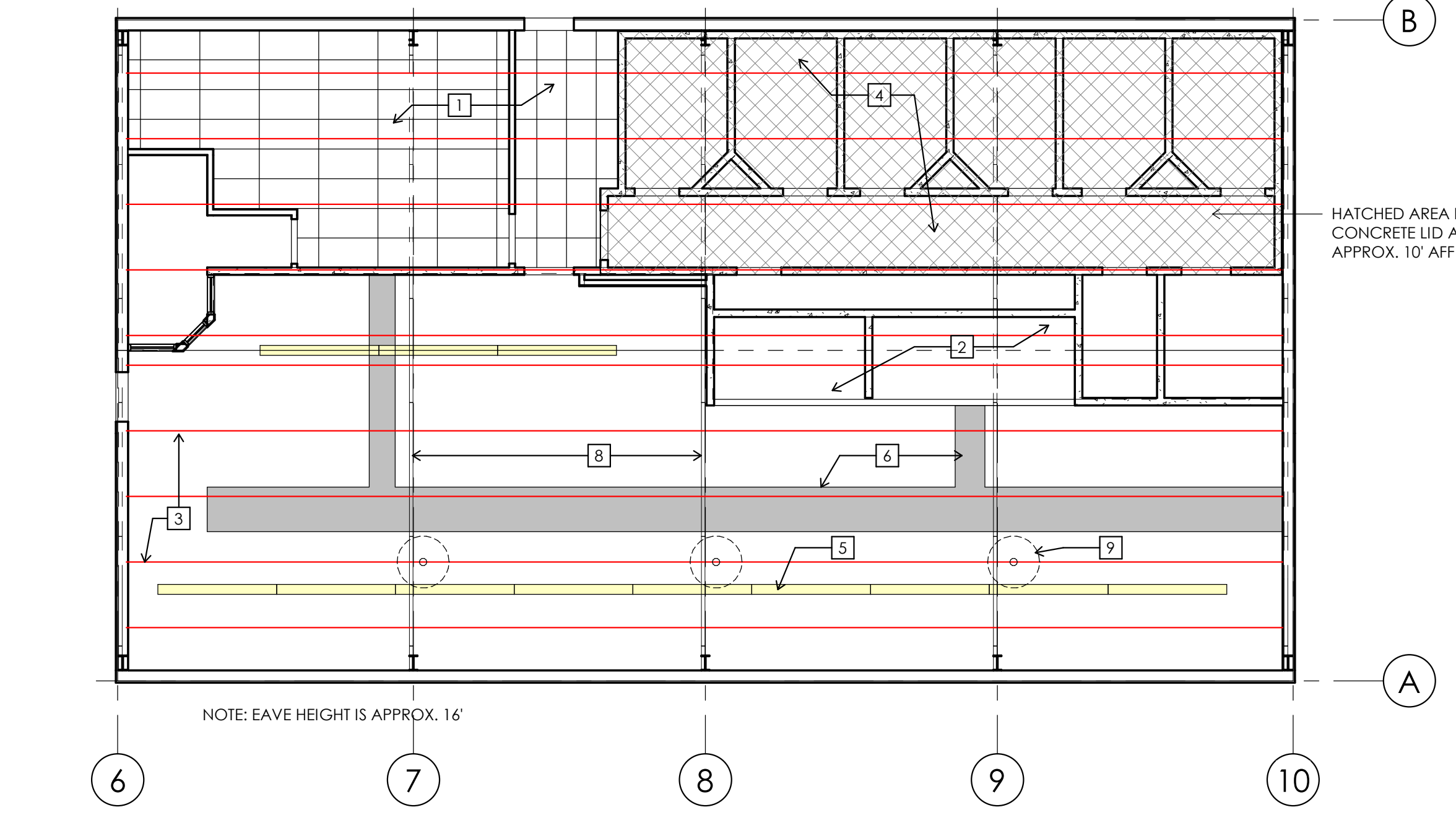
A10 CEILING PLAN A-B
1/8" = 1'-0"

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

- 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



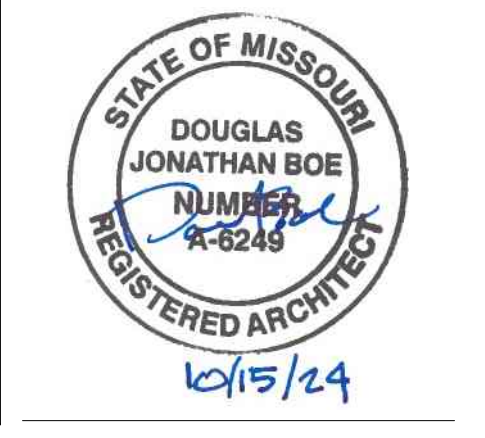
Missouri Certificate of Authority
#2003011262

JOB NUMBER 23005

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**REFLECTED
CEILING PLAN**

A5.01

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