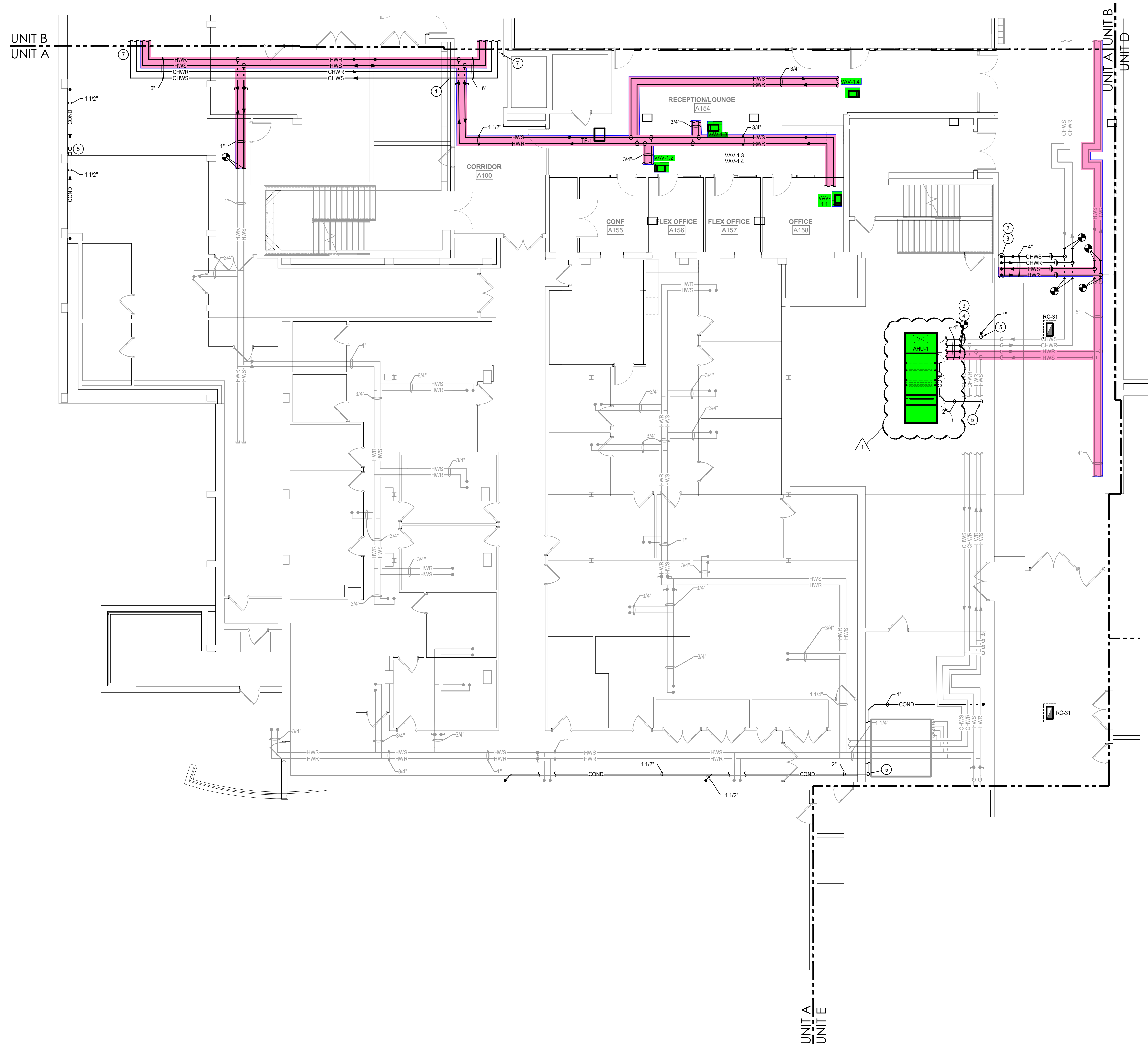


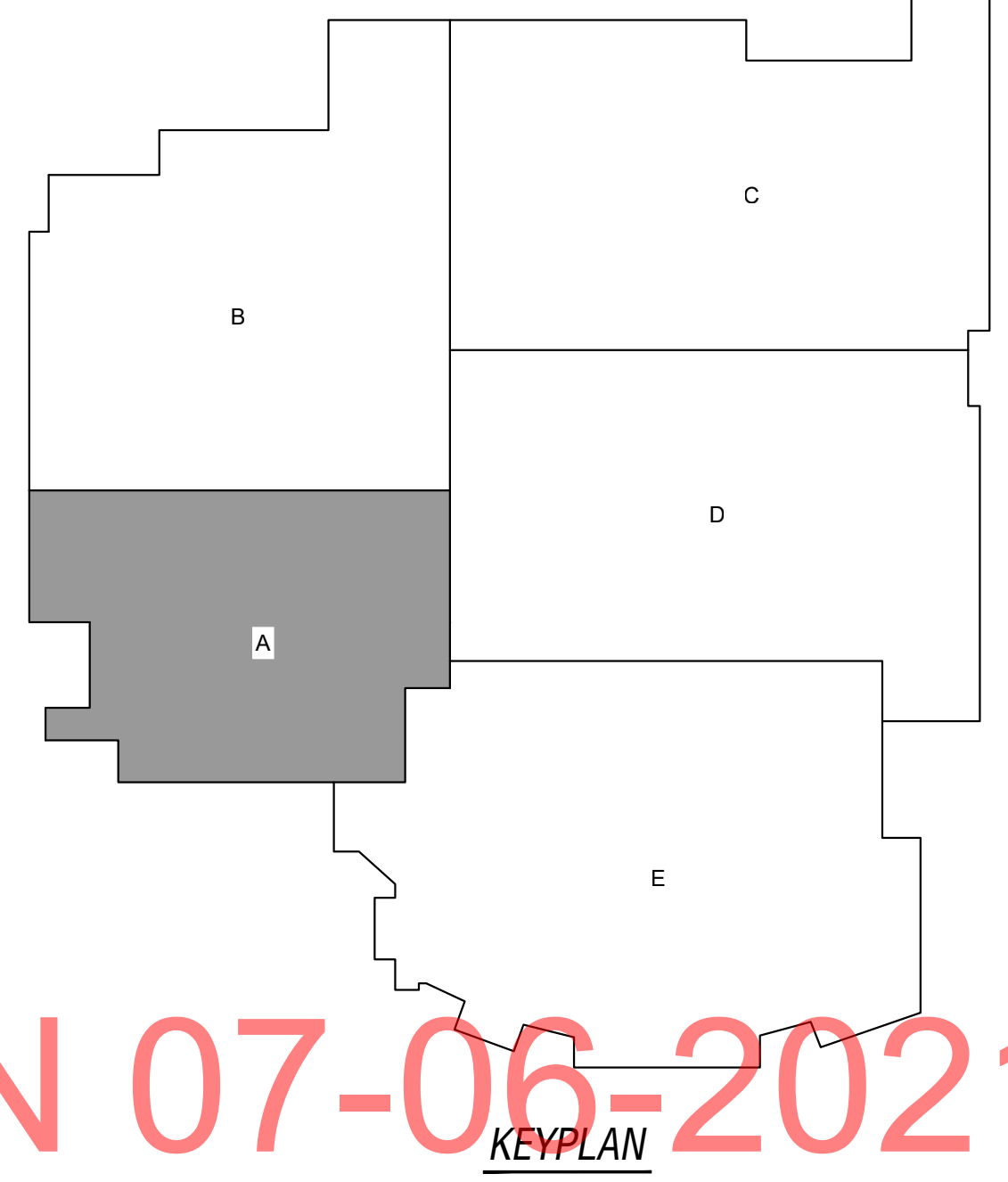
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FIRST FLOOR MECHANICAL PIPING PLAN - UNIT A
SCALE: 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION 07-06-2021

- PLAN NOTES**
1. OUTDOOR THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. OUTDOOR THROUGH EXISTING FLOOR AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. PROVIDE AND INSTALL FLOOR SLEEVE AND SEAL WITH GROUT.
 3. EXPOSED PIPING SHALL BE PVC JACKETED.
 4. RECONNECT TO EXISTING PIPING AND ROUTE NEW TO NEW AIR HANDLING UNIT.
 5. ROUTE NEW CONDENSATE PIPING TO NEAREST FLOOR DRAIN.
 6. REFER TO SHEET M302B FOR CONTINUATION.
 7. REFER TO SHEET M301B FOR CONTINUATION.



0 16 32 48 0 8 16 24 32 0 8 16 24 0 4 8 12 0 2 4 6 0 1 2 3
SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

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LAWRENCEBURG, IN 47025

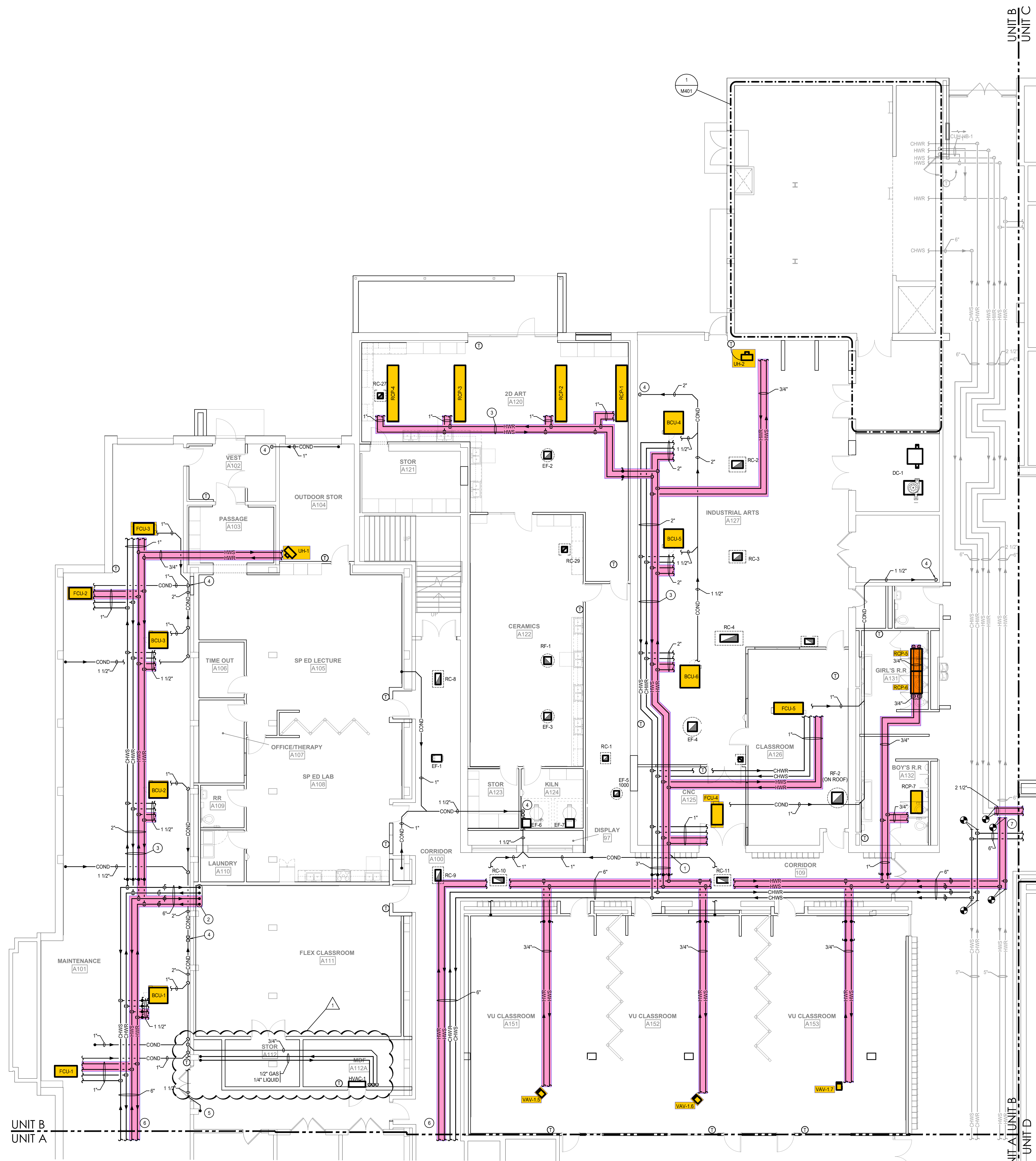
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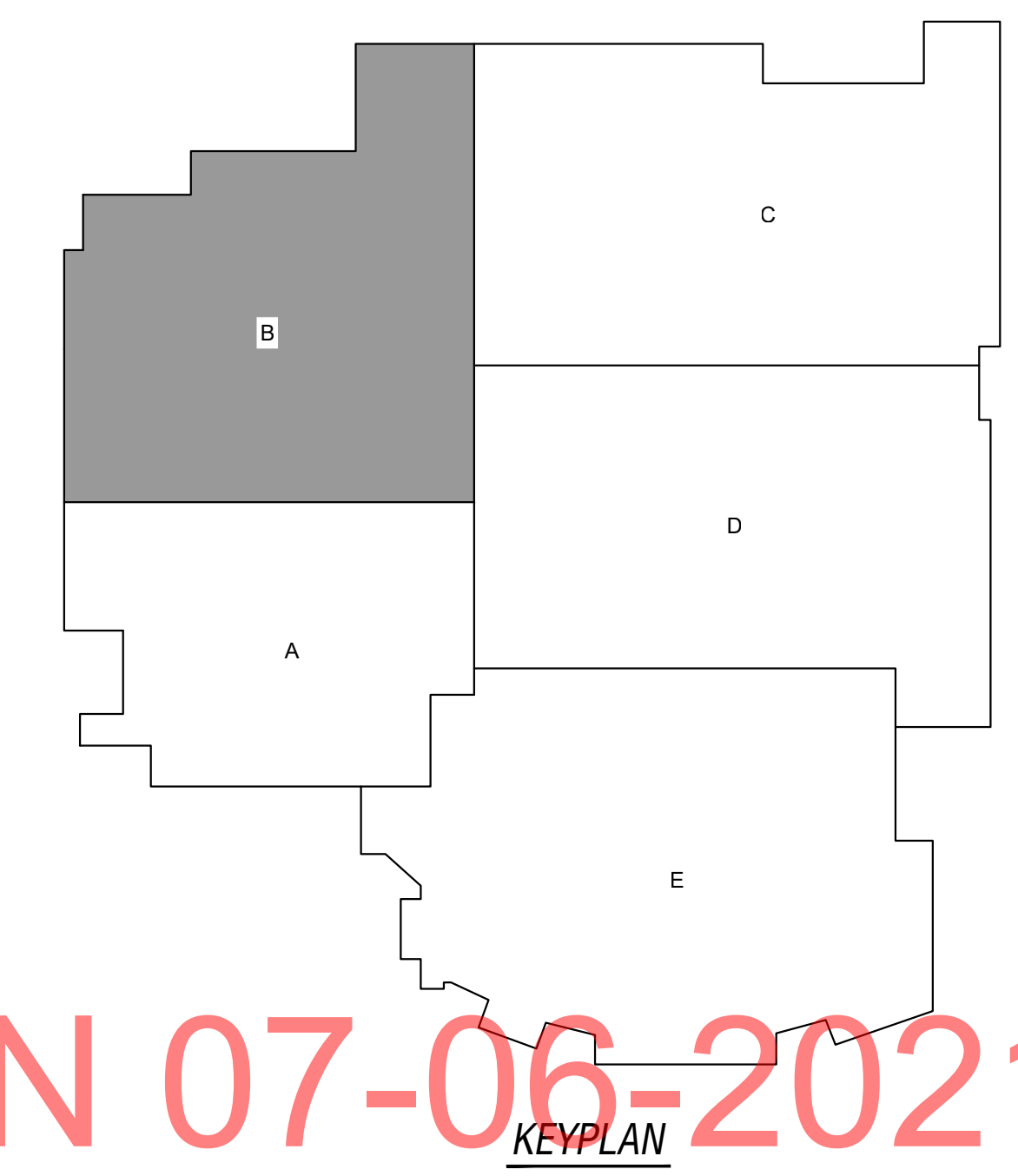
KEYPLAN
MS

1ST FLR MECH PIPING PLAN UNIT A
M301A

PRIMARY JOB #20102



- PLAN NOTES**
1. OUTDOOR THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. OUTDOOR THROUGH EXISTING FLOOR AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. PROVIDE AND INSTALL FLOOR SLEEVE AND SEAL WITH GROUT.
 3. EXPOSED PIPING SHALL BE PVC JACKETED.
 4. ROUTE CONDENSATE PIPING EXPOSED ON WALL/FLOOR TO NEAREST FLOOR DRAIN.
 5. REFER TO SHEET M302B FOR CONTINUATION.
 6. REFER TO SHEET M301A FOR CONTINUATION.
 7. REFER TO SHEET M301C FOR CONTINUATION.



FIRST FLOOR MECHANICAL PIPING PLAN - UNIT B
SCALE: 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION 07-06-2021

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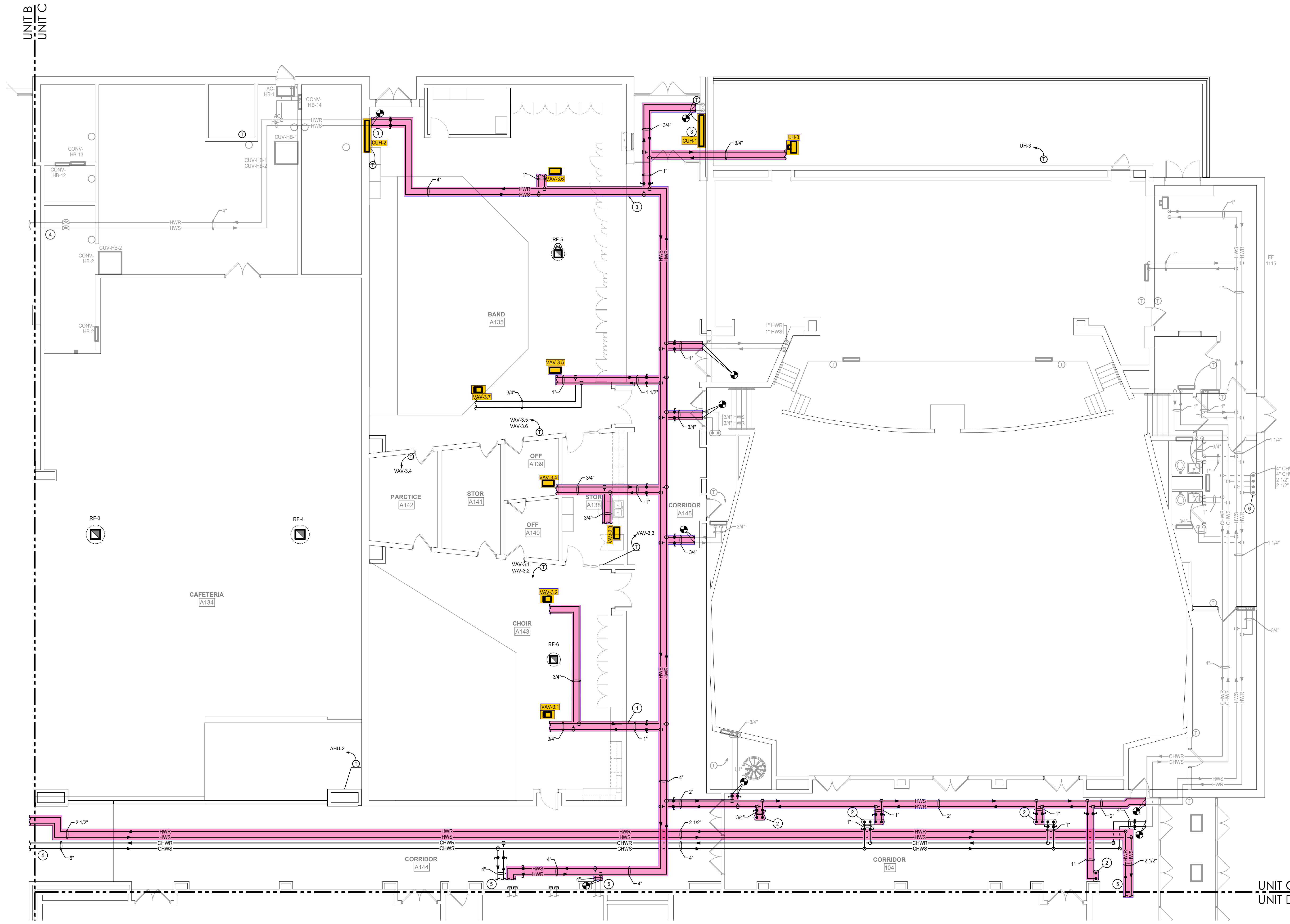
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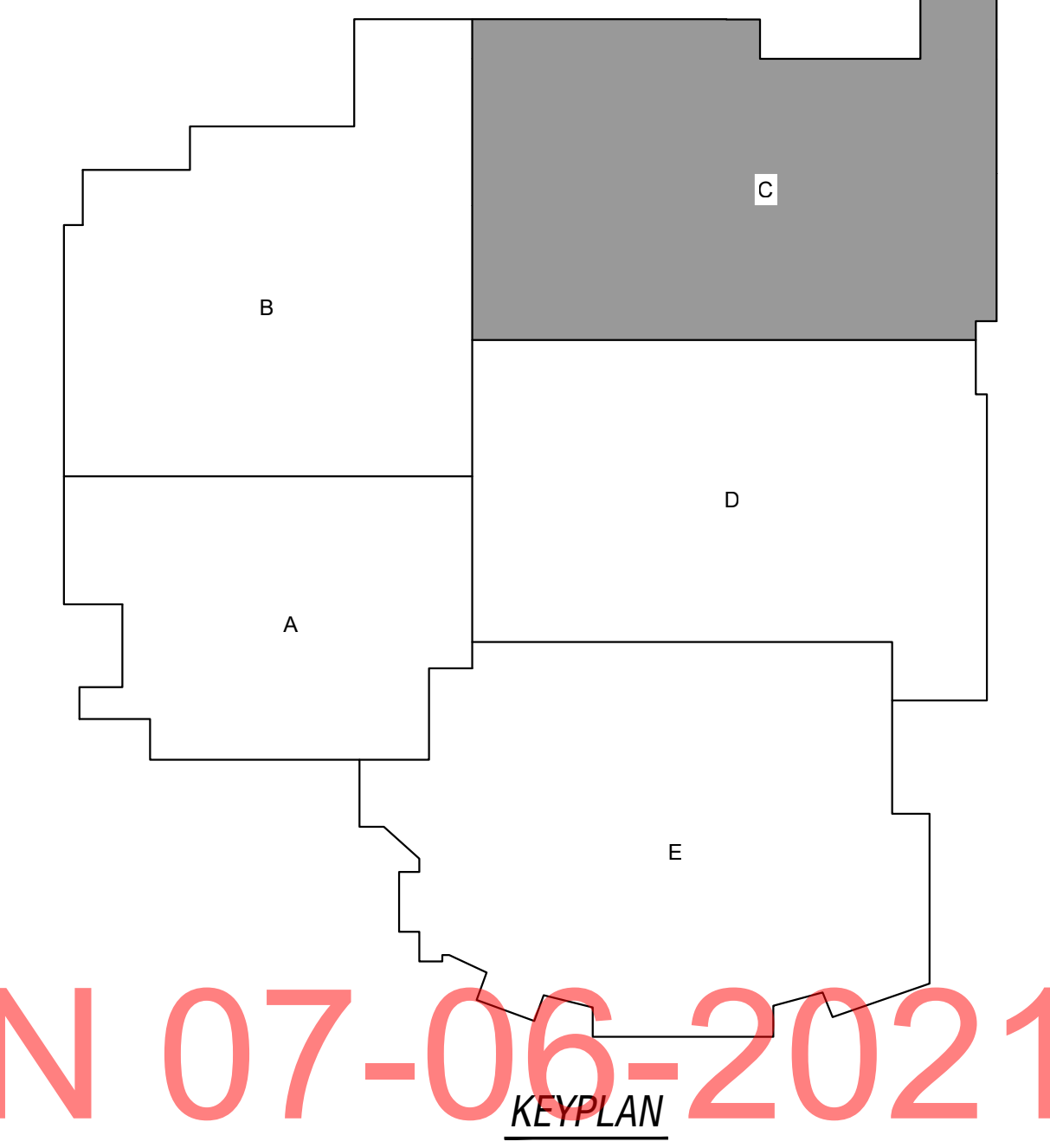
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Date Desc.
1 04/30/21 ADD EG.

1ST FLR MECH PIPING PLAN UNIT B
M301B

PRIMARY JOB #20102



- PLAN NOTES**
1. CUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. CUTCORE THROUGH EXISTING FLOOR AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. PROVIDE AND INSTALL FLOOR SLEEVE AND SEAL WITH GROUT.
 3. RECONNECT NEW CABINET UNIT HEATER TO EXISTING PIPING.
 4. REFER TO SHEET M301B FOR CONTINUATION.
 5. REFER TO SHEET M301D FOR CONTINUATION.
 6. REFER TO SHEET M403 FOR CONTINUATION.



FIRST FLOOR MECHANICAL PIPING PLAN - UNIT C
SCALE: 1/8" = 1'-0"

SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

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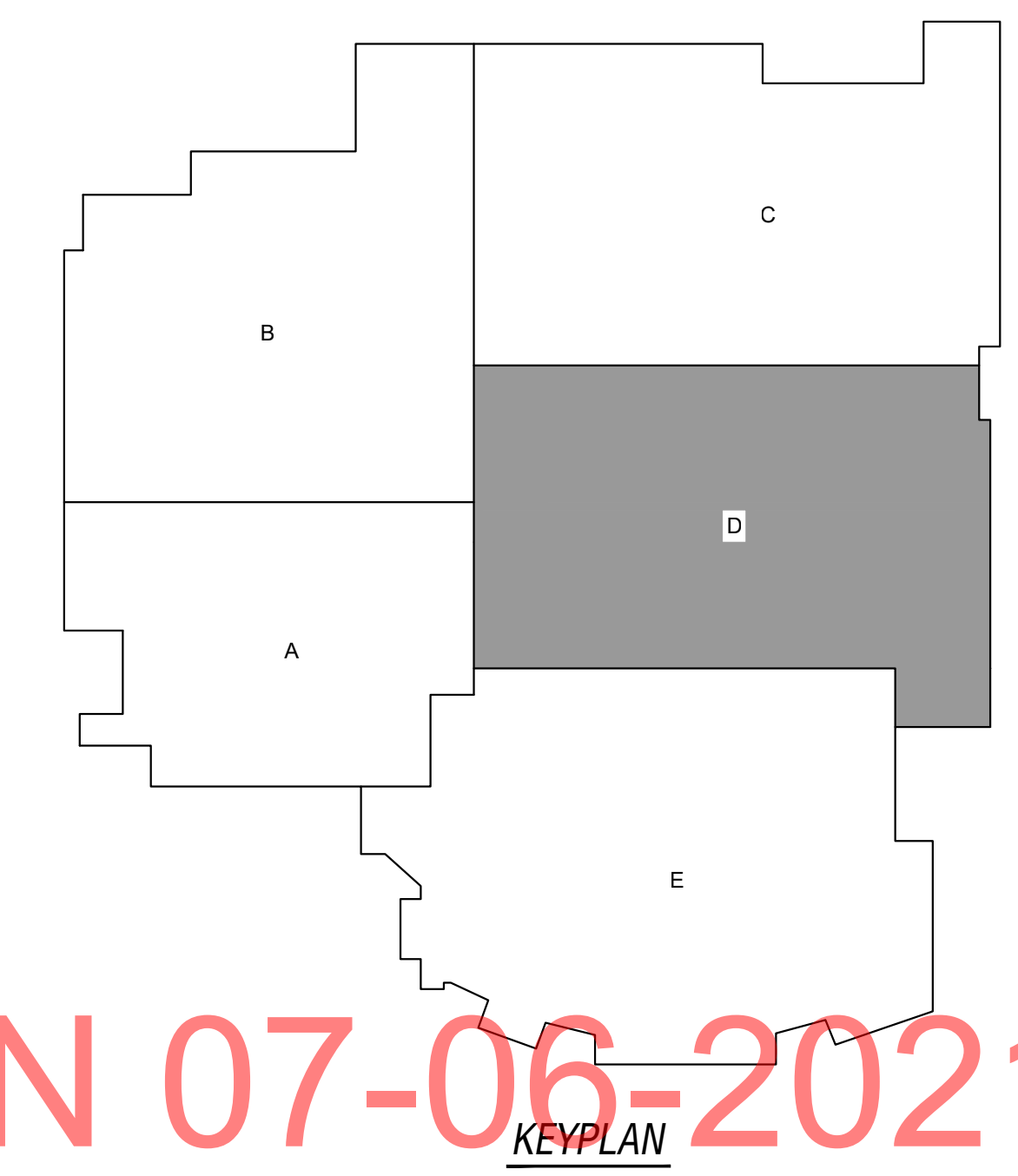
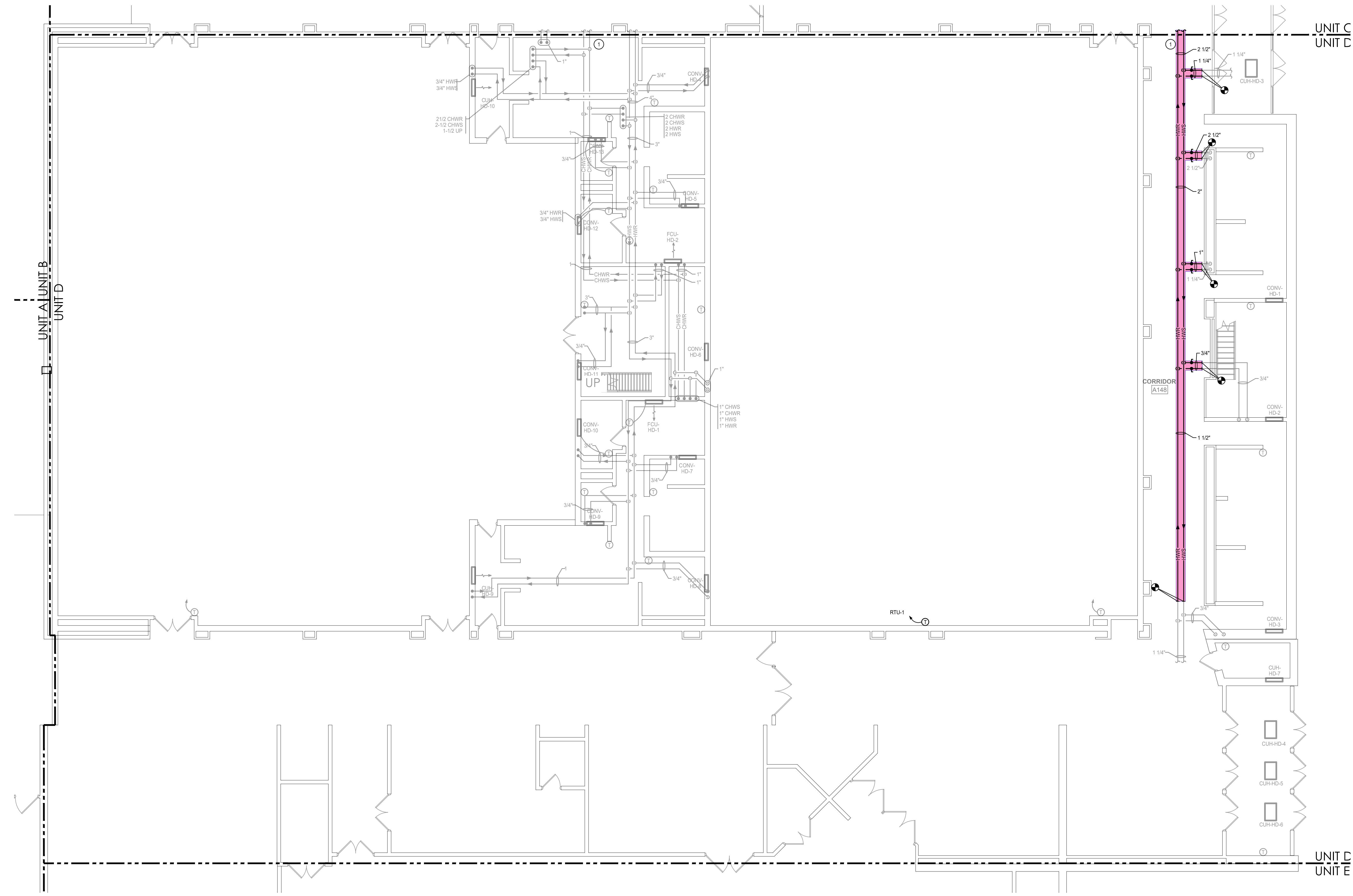


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DESIGNER: [Signature]	DATE: []
CHECKER: [Signature]	DATE: []

1ST FLR
MECH
PIPING
PLAN
UNIT C
M301C

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Printed by: Primary Engineering, Inc.
Date: 07/06/2021 10:58:58 AM
Scale: 1/8" = 1'-0"

PLAN NOTES	
1.	REFER TO SHEET M301C FOR CONTINUATION.
2.	REFER TO SHEET M403 FOR CONTINUATION.



FIRST FLOOR MECHANICAL PIPING PLAN - UNIT D
SCALE: 1/8" = 1'-0"


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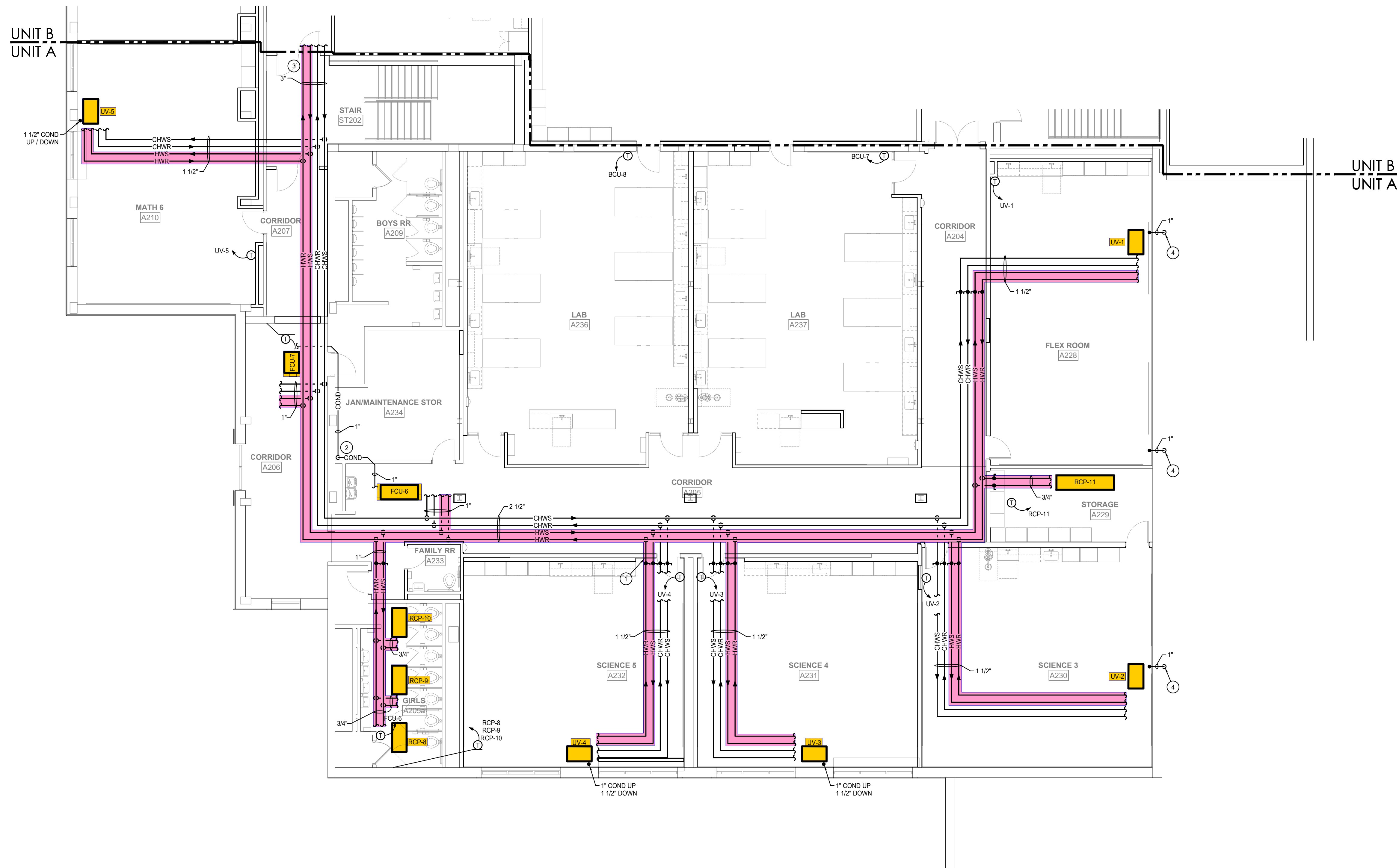
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PROJECT: #20102	Disc.
DATE: 04/07/2021	
#	Date

1ST FLR MECH PIPING PLAN UNIT D
M301D

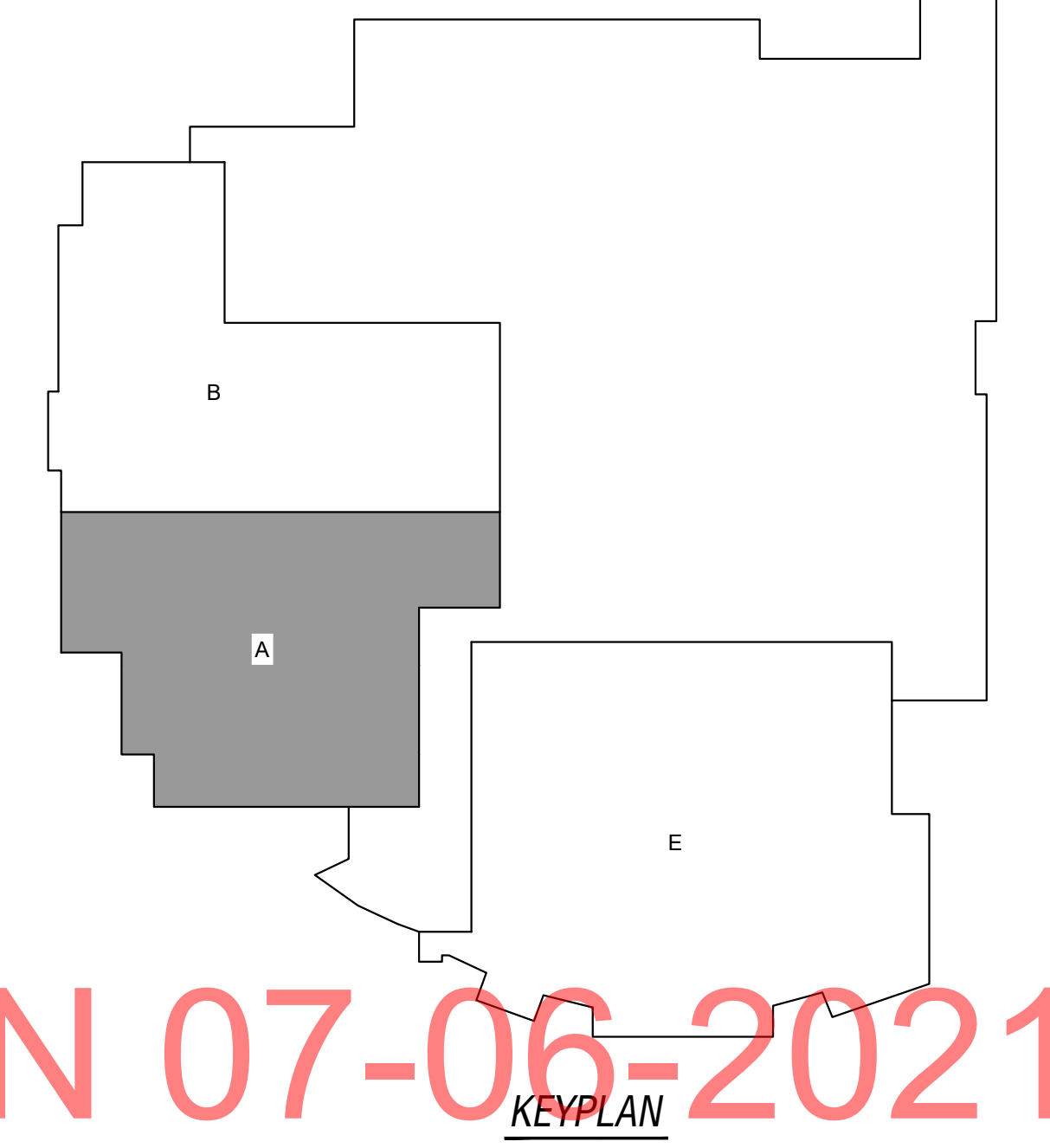
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- PLAN NOTES**
1. OUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. ROUTE CONDENSATE PIPING EXPOSED ON WALL/FLOOR TO NEAREST FLOOR DRAIN.
 3. REFER TO DRAWING SHEET M302B FOR CONTINUATION.
 4. CORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE CONDENSATE PIPING ON ROOF, APPROXIMATELY 18" ABOVE ROOF. SEAL PENETRATION WITH GROUT.

SECOND FLOOR MECHANICAL PIPING PLAN - UNIT A
SCALE: 1/8" = 1'-0"

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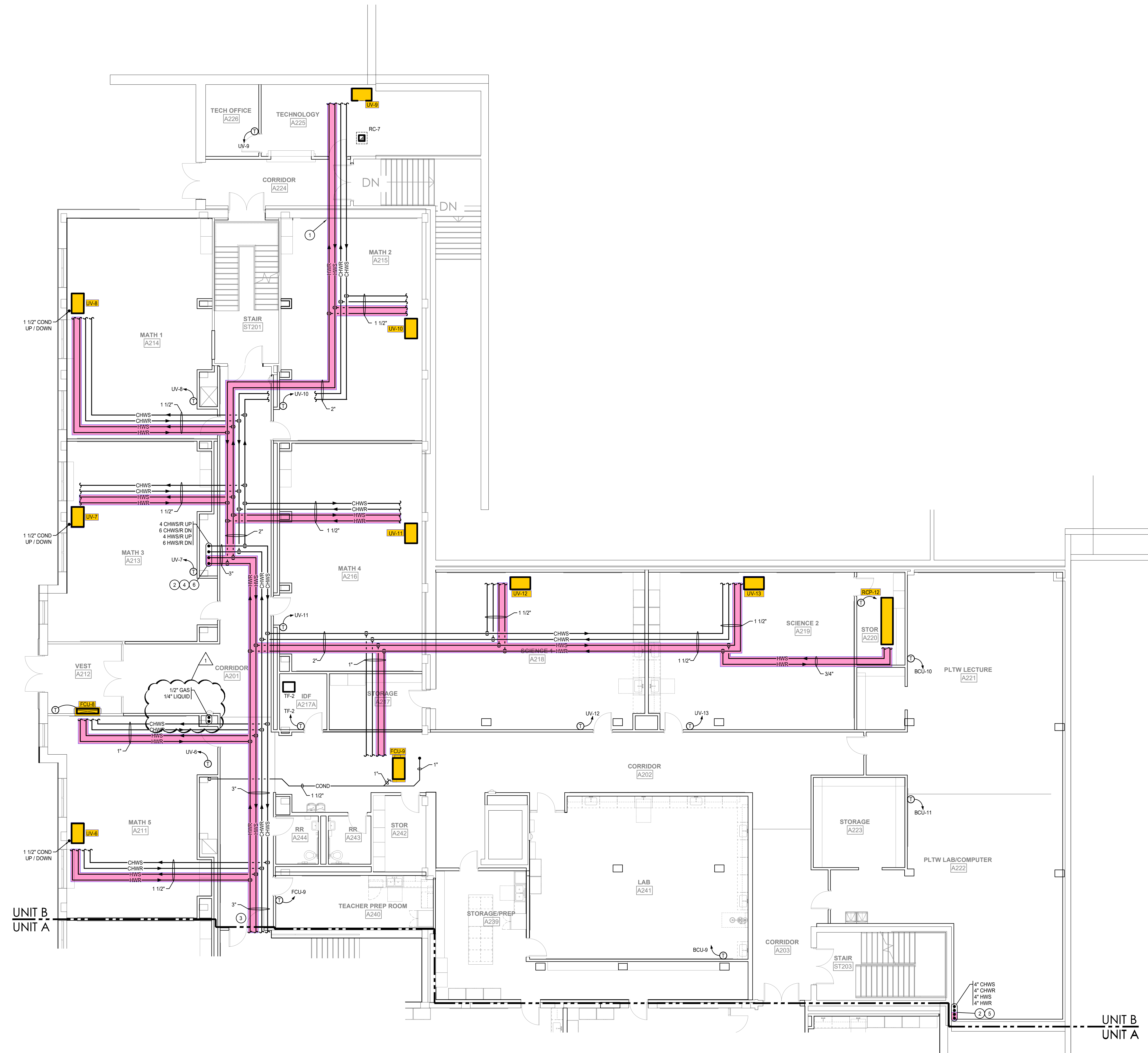


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PRIMARY JOB #30160		

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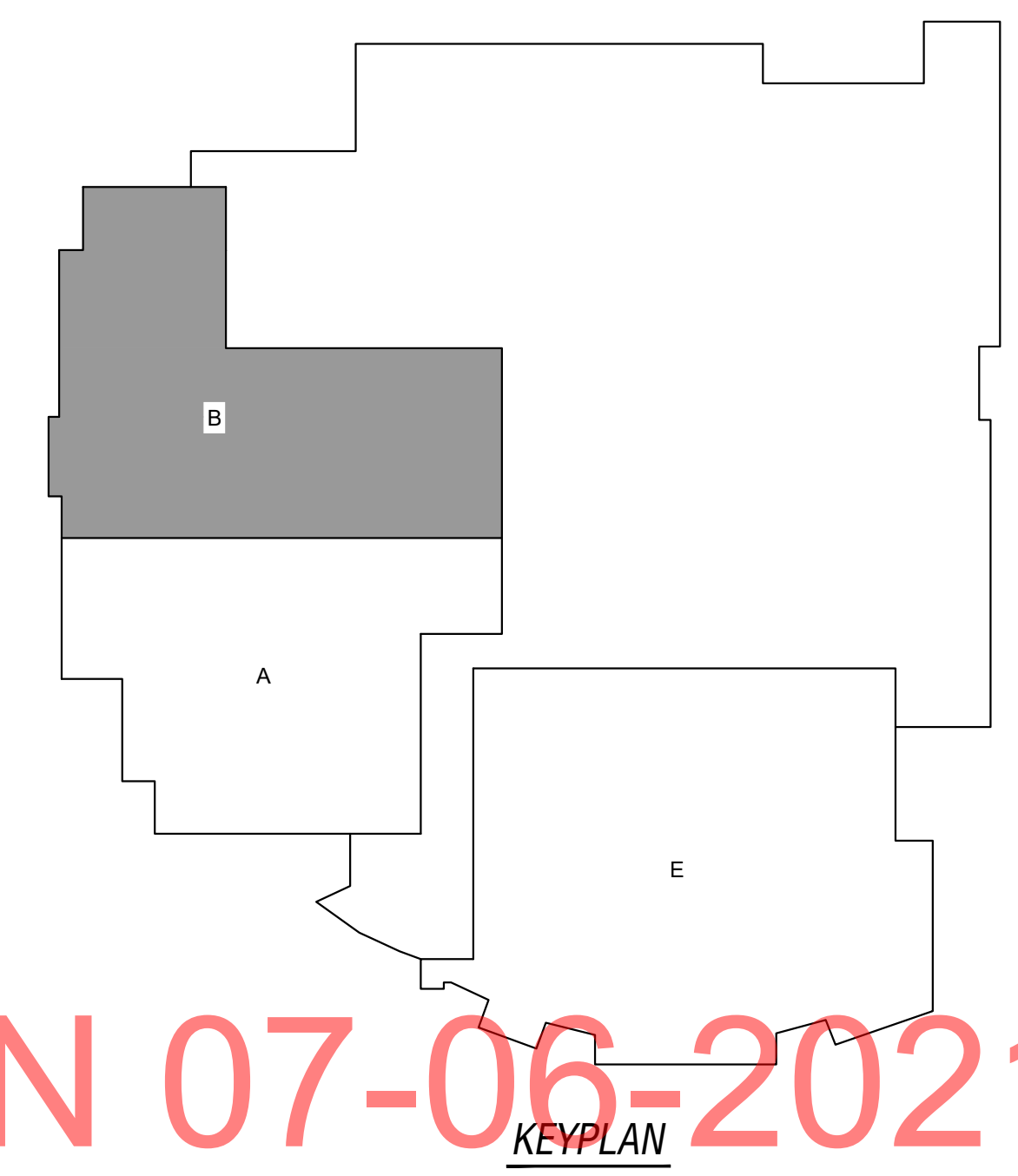
- PLAN NOTES**
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 2. OUTCORE THROUGH EXISTING FLOOR AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. PROVIDE AND INSTALL FLOOR SLEEVE AND SEAL WITH GROUT.
 3. REFER TO SHEET M302A FOR CONTINUATION.
 4. REFER TO SHEET M301B FOR CONTINUATION.
 5. REFER TO SHEET M402 FOR CONTINUATION.
 6. REFER TO SHEET M303B FOR CONTINUATION.



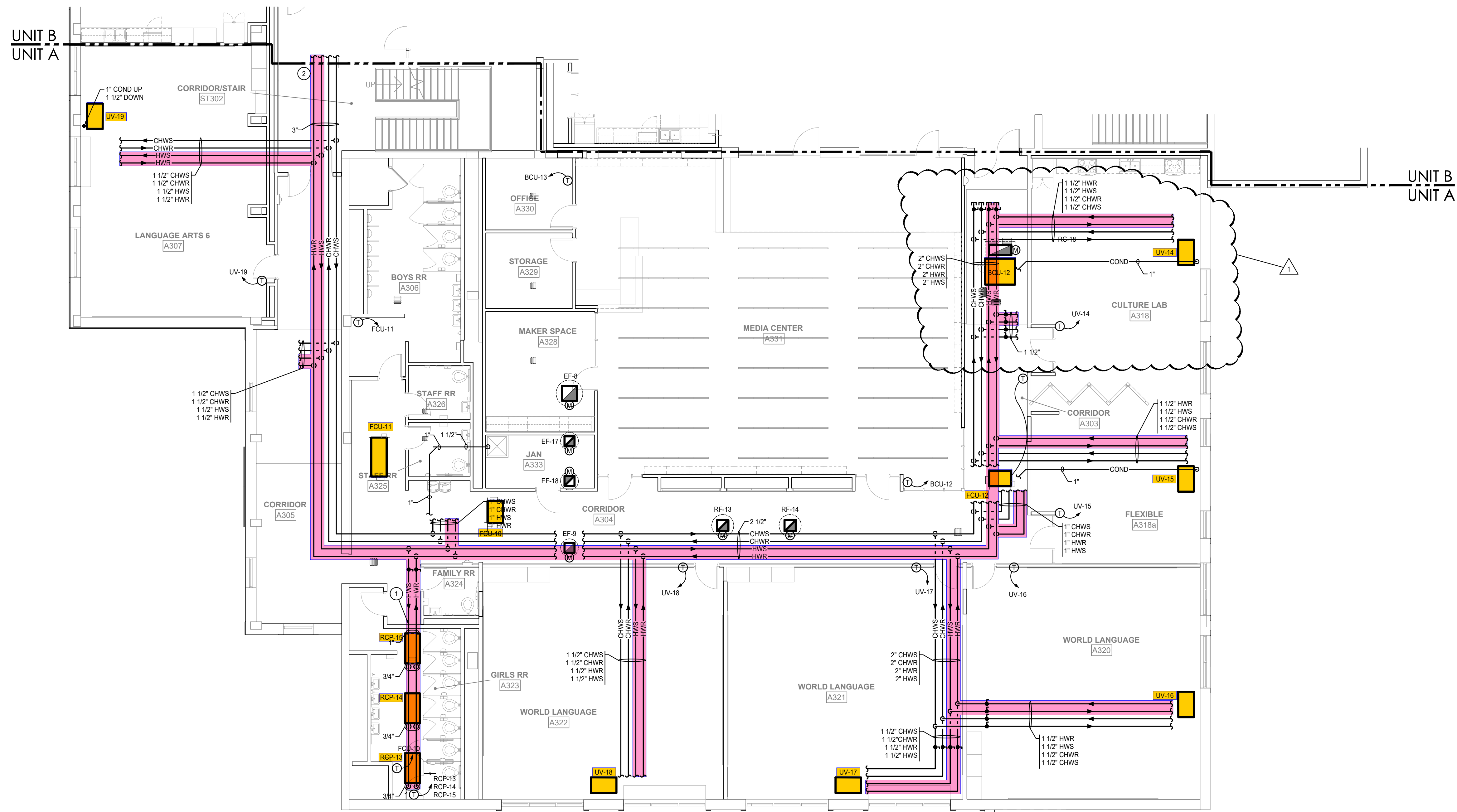
SECOND FLOOR MECHANICAL PIPING PLAN - UNIT B
SCALE: 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION 07-06-2021

SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

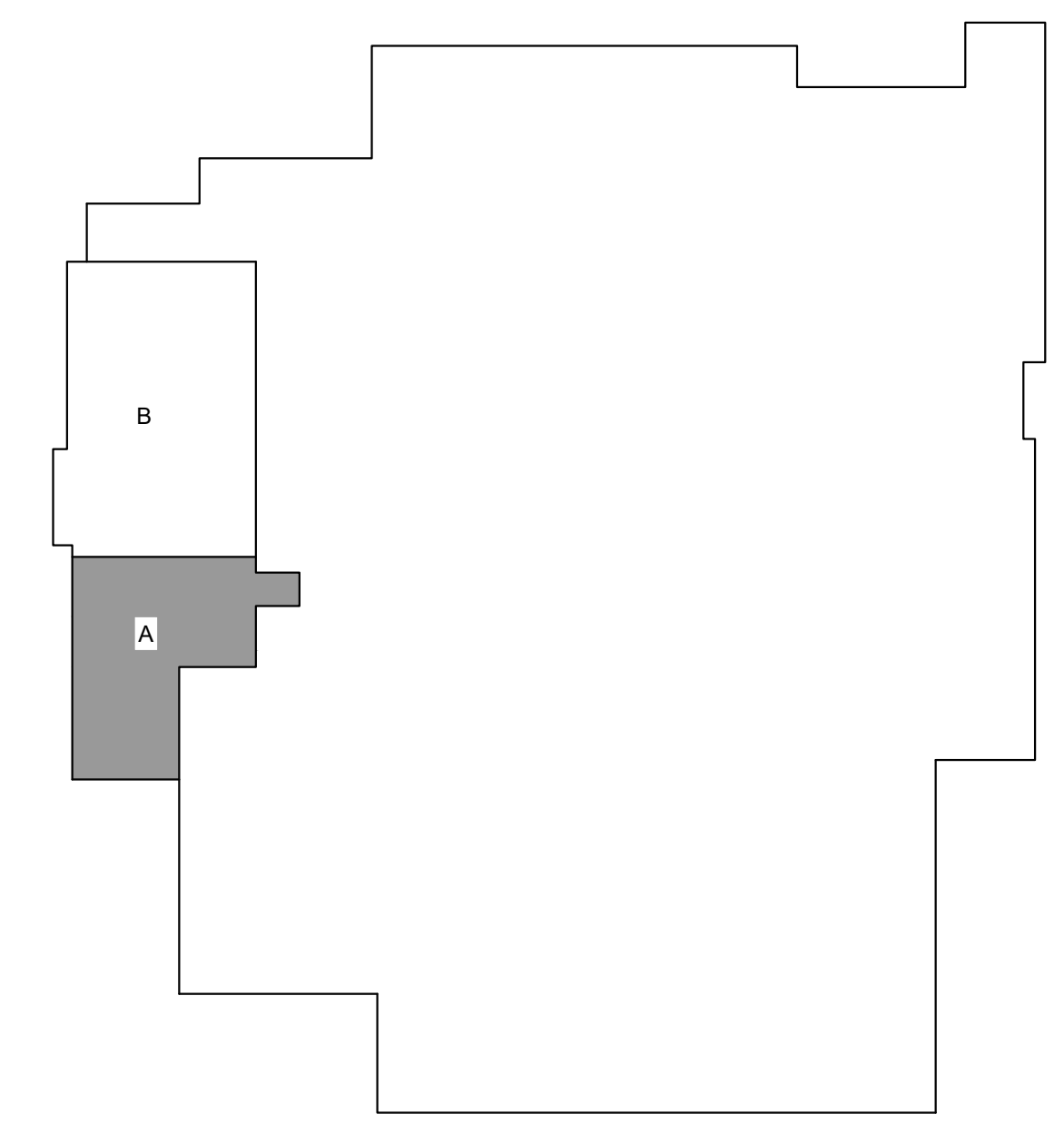


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DESIGNER: J. W. BEEBE	CHECKER: J. W. BEEBE	DATE: 04/07/2021	DATE: 04/07/2021
PROJECT: #20102	DATE: 04/07/2021	DATE: 04/07/2021	DATE: 04/07/2021



THIRD FLOOR MECHANICAL PIPING PLAN - UNIT A
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
1. OUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. REFER TO SHEET M303B FOR CONTINUATION.



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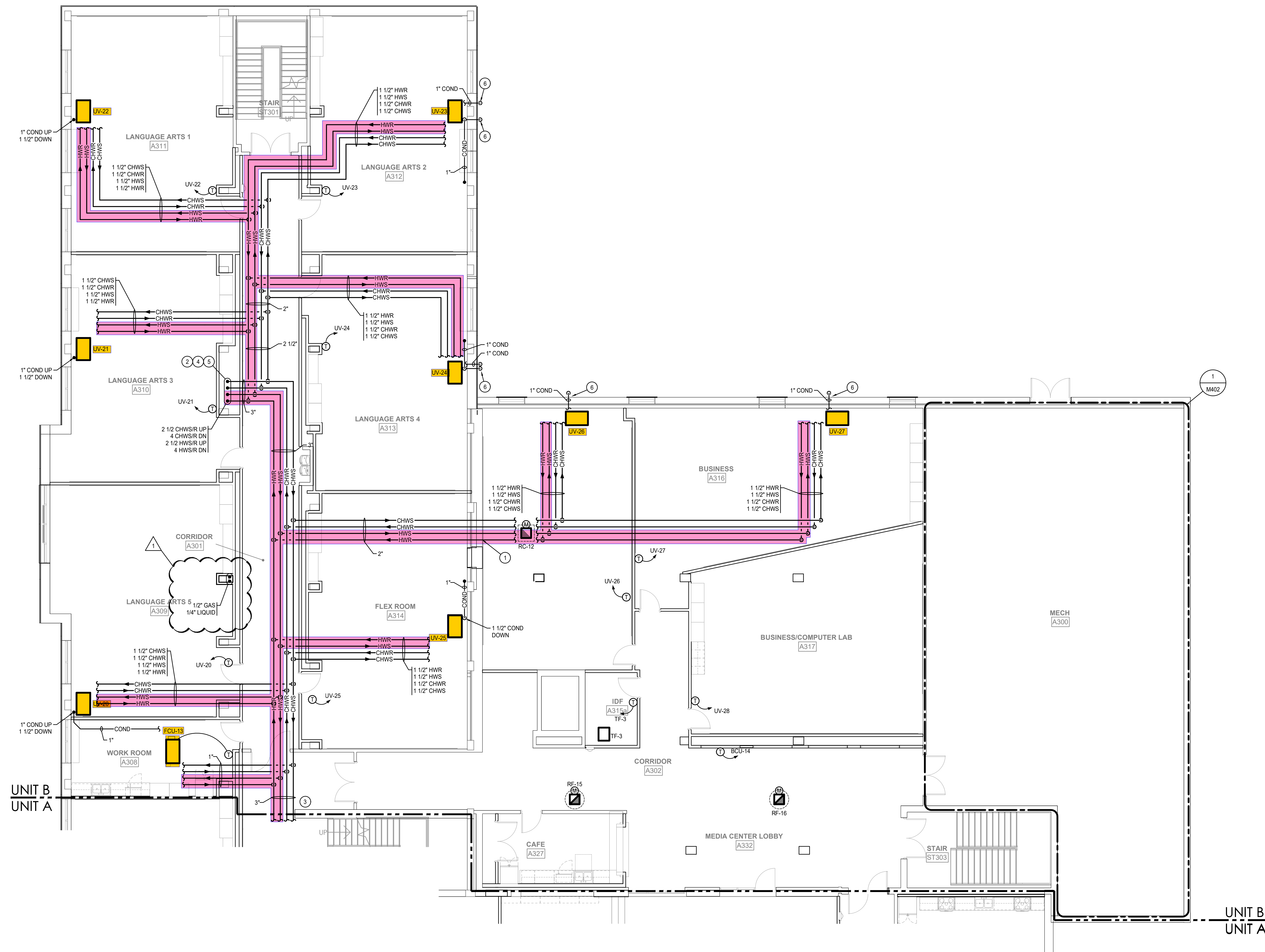
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PROJECT: #20102	Disc.
DATE: 04/07/2021	PR. #3.
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3RD FLR
MECH
PIPING
PLAN
UNIT A
M303A

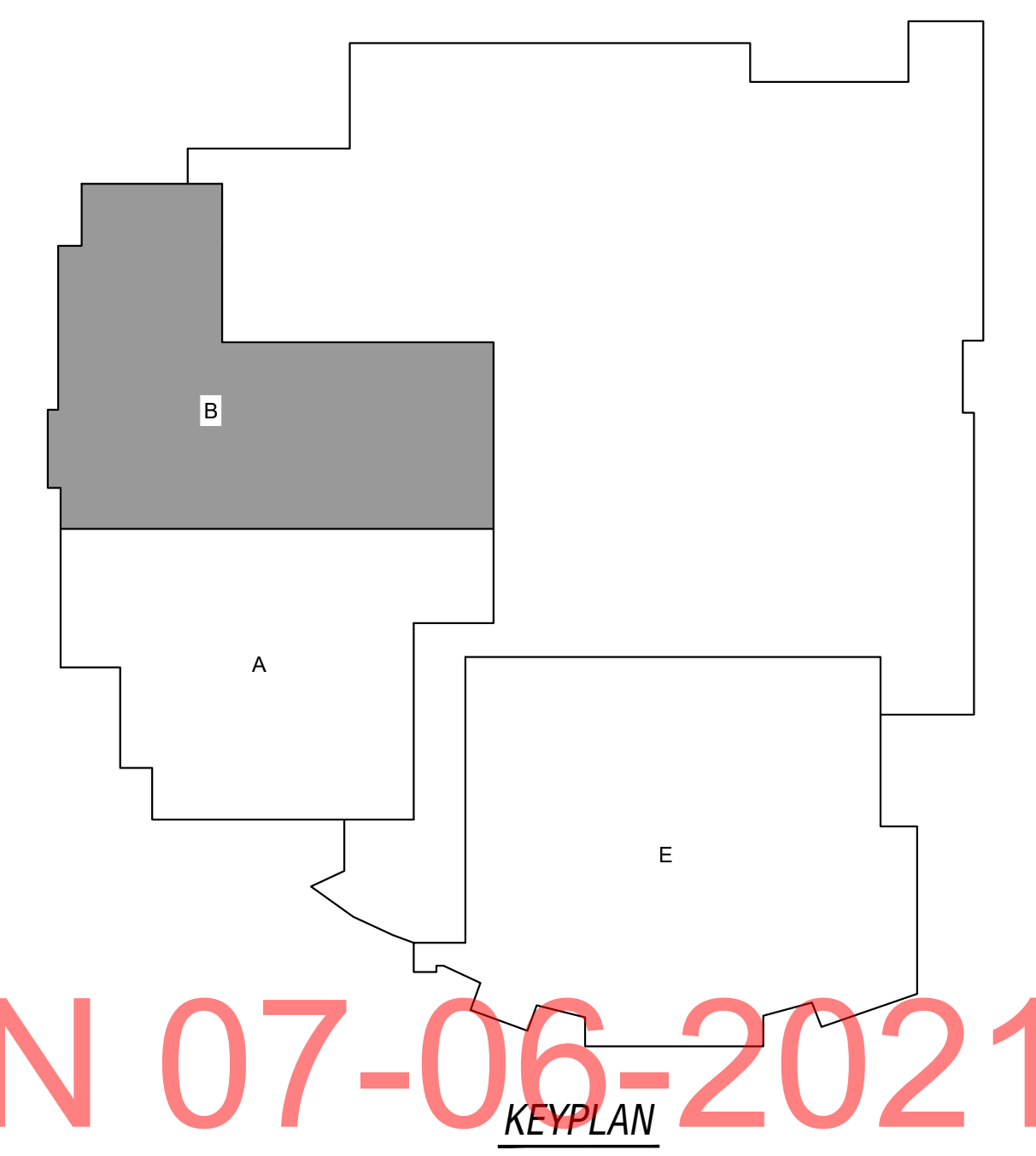
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- PLAN NOTES**
1. OUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
 2. OUTCORE THROUGH EXISTING FLOOR AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. PROVIDE AND INSTALL FLOOR SLEEVE AND SEAL WITH GROUT.
 3. REFER TO SHEET M303A FOR CONTINUATION.
 4. REFER TO SHEET M303B FOR CONTINUATION.
 5. REFER TO SHEET M304B FOR CONTINUATION.
 6. CORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE CONDENSATE PIPING ON ROOF, APPROXIMATELY 18\"/>

THIRD FLOOR MECHANICAL PIPING PLAN - UNIT B
SCALE: 1/8" = 1'-0"

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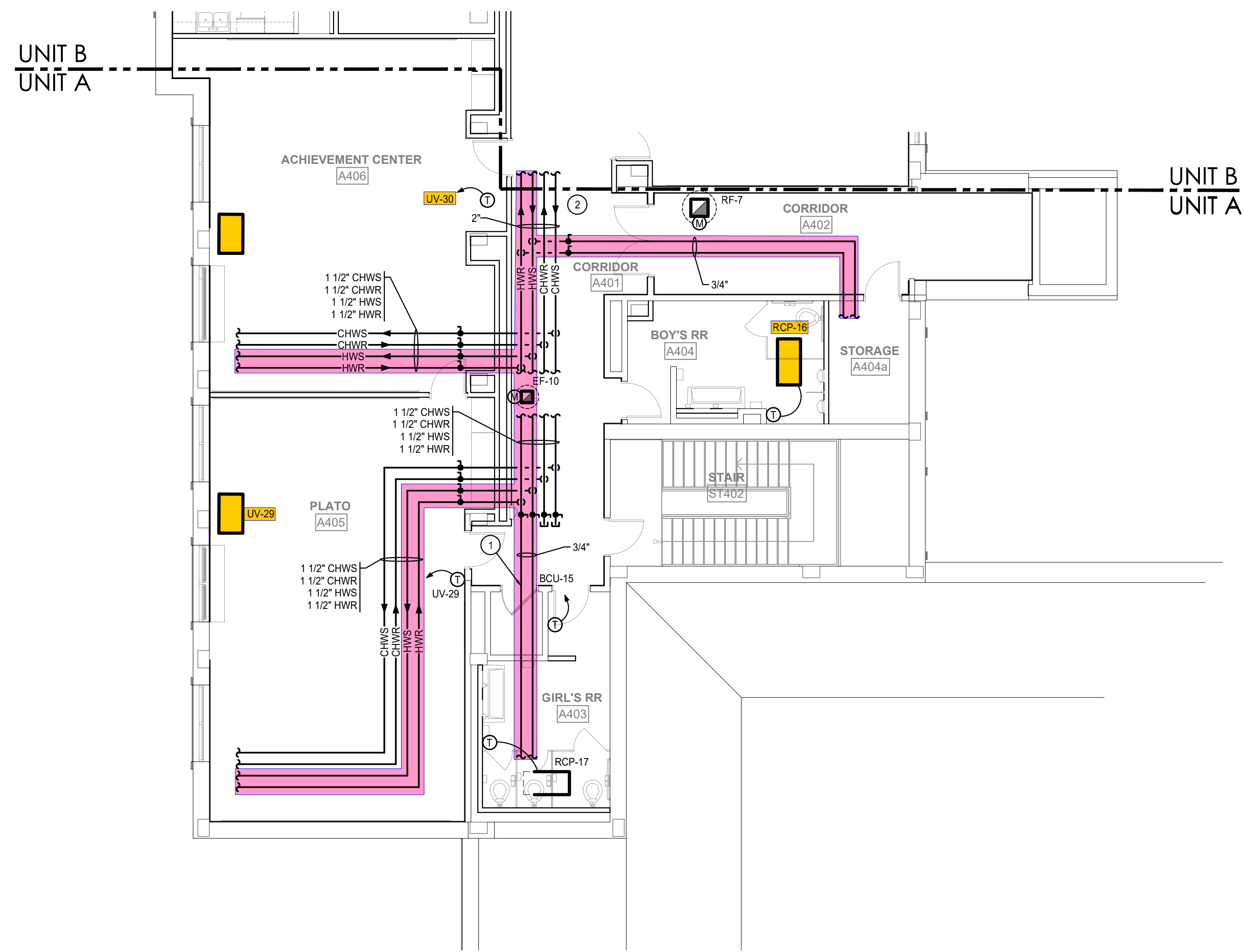
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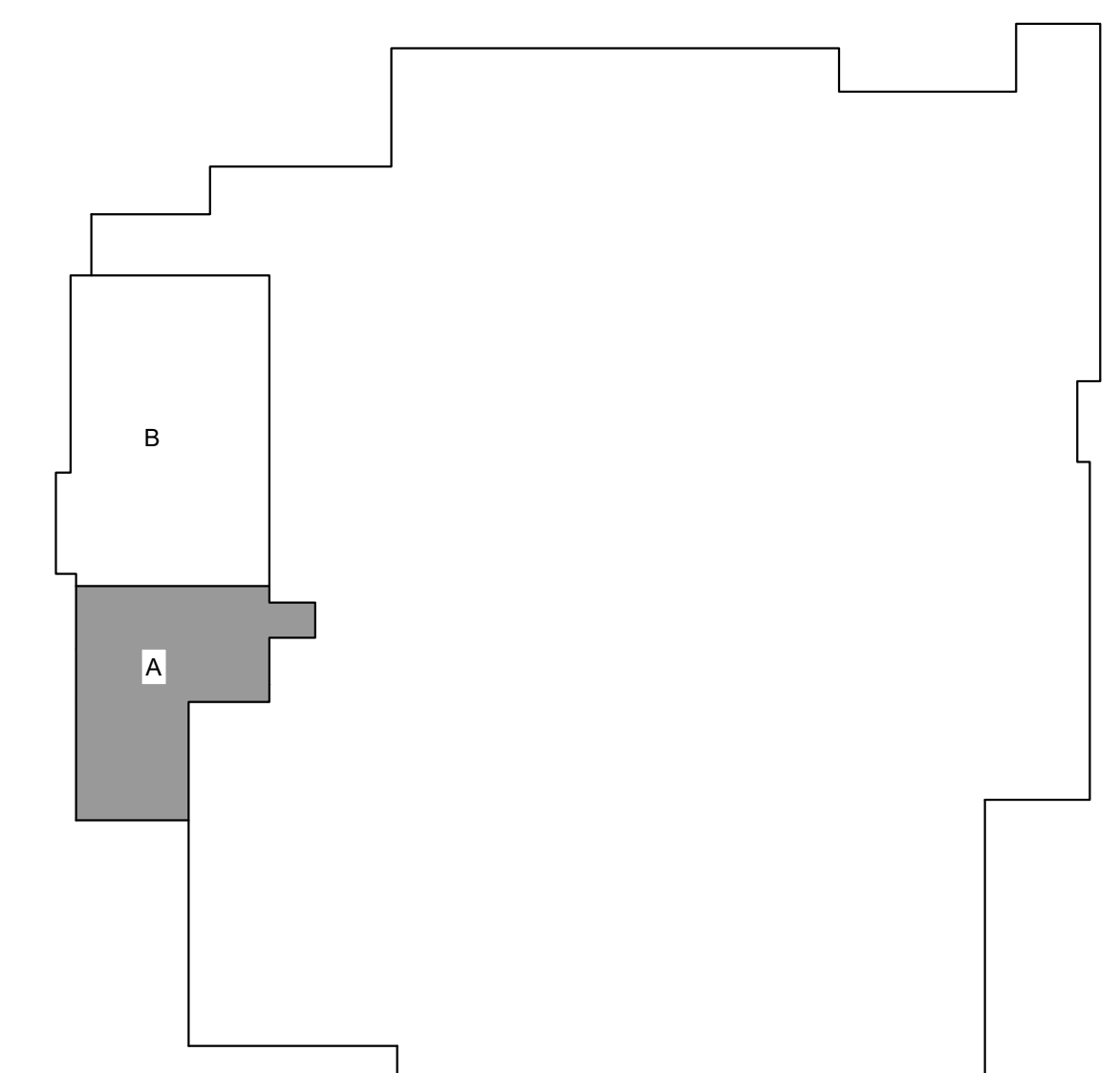


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 Date Plotted = 07/06/2021 10:05:21 AM
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 Plot Style = Primary.ctb
 User = jprimay

PLAN NOTES	
1.	OUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW MECHANICAL PIPING. SEAL PENETRATION WITH GROUT. TYPICAL.
2.	REFER TO SHEET M304B FOR CONTINUATION.



FOURTH FLOOR MECHANICAL PIPING PLAN - UNIT A
 SCALE: 1/8" = 1'-0"



KEYPLAN
 MS

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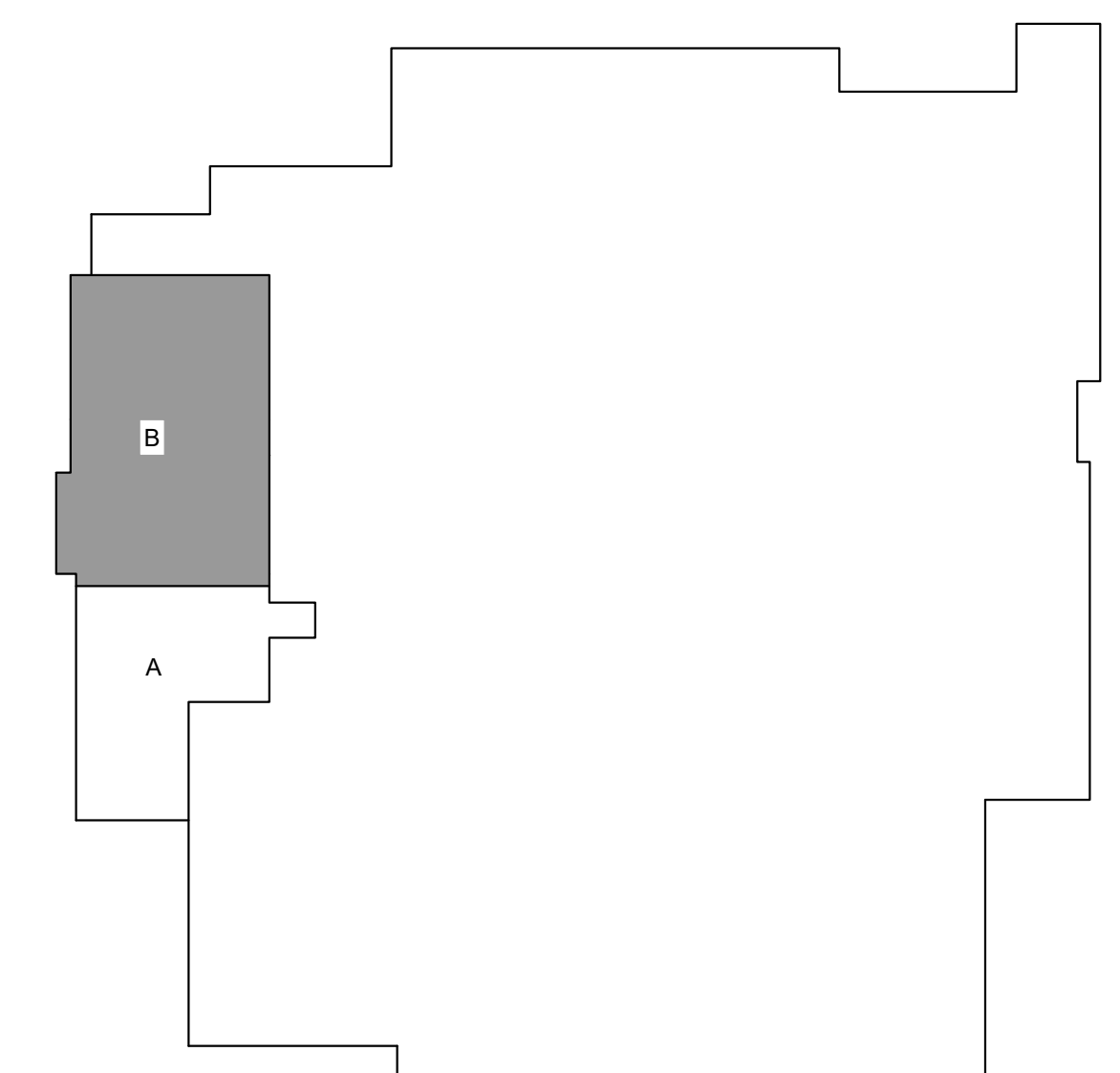
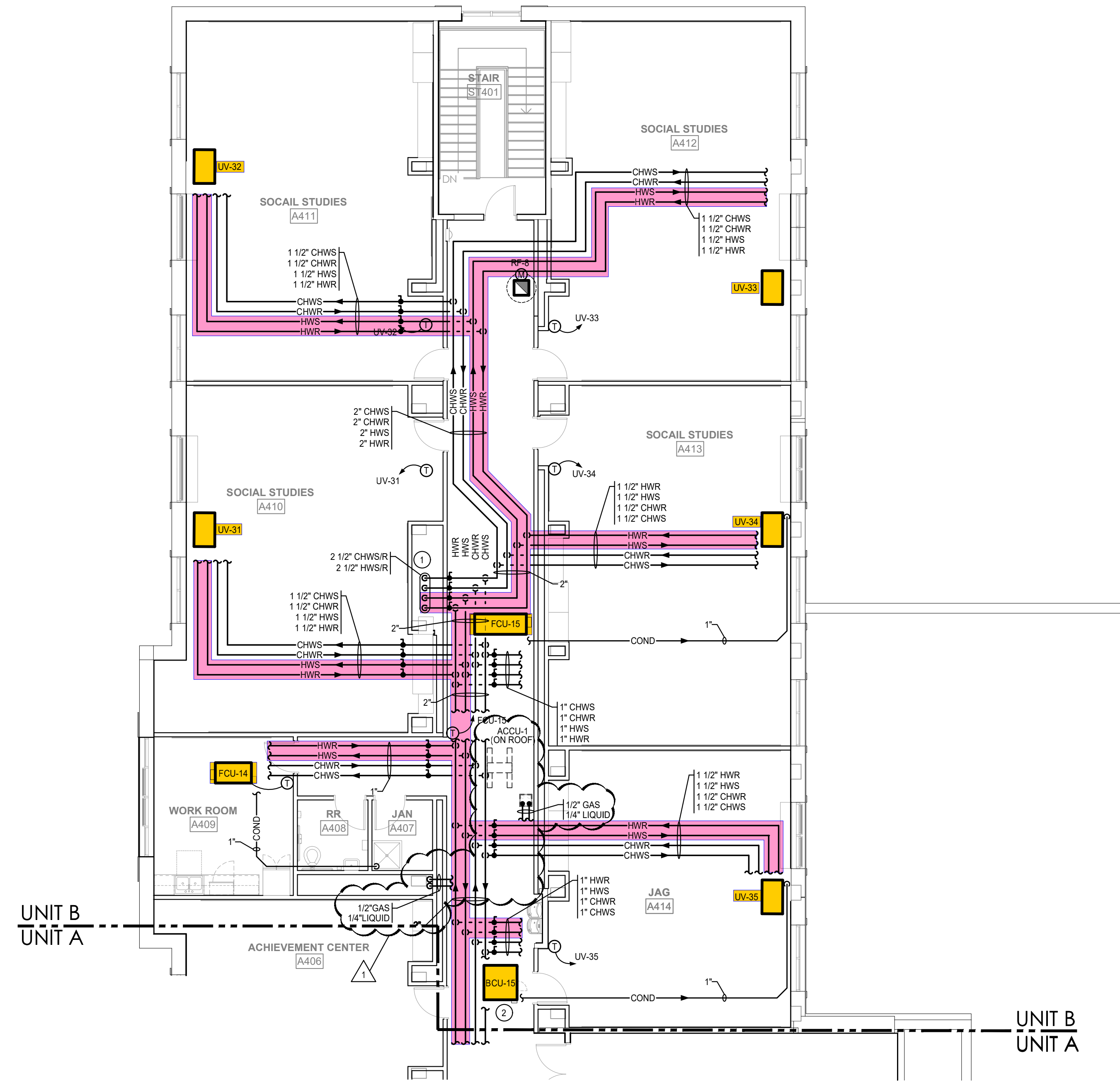
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4TH FLR
 MECH
 PIPING
 PLAN
 UNIT A
 M304A

PRIMARY JOB #20102

File Location = K:\2016\Lawrenceburg High School\4th Floor\Mech\4th Floor Unit B.dwg Date Plotted = 7/6/2021 10:05:21 AM Plotted By = jblinn Copyright Primary Engineering, Inc.

PLAN NOTES	
1.	REFER TO SHEET M303B FOR CONTINUATION.
2.	REFER TO SHEET M304A FOR CONTINUATION.



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 SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

FOURTH FLOOR MECHANICAL PIPING PLAN - UNIT B
 SCALE: 1/8" = 1'-0"

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KEYPLAN
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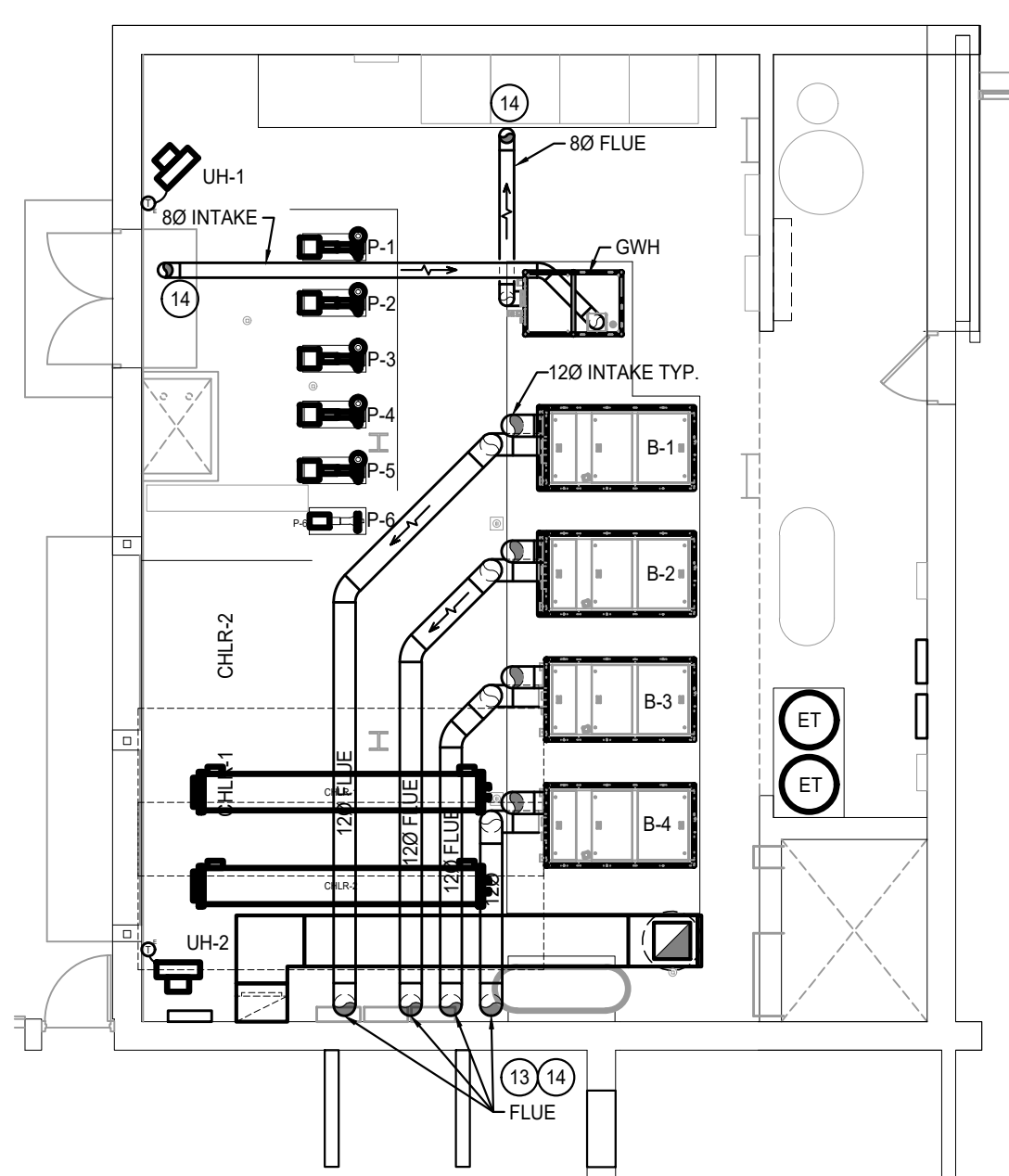
4TH FLR
 MECH
 PIPING
 PLAN
 UNIT B
 M304B

PRIMARY JOB #20102

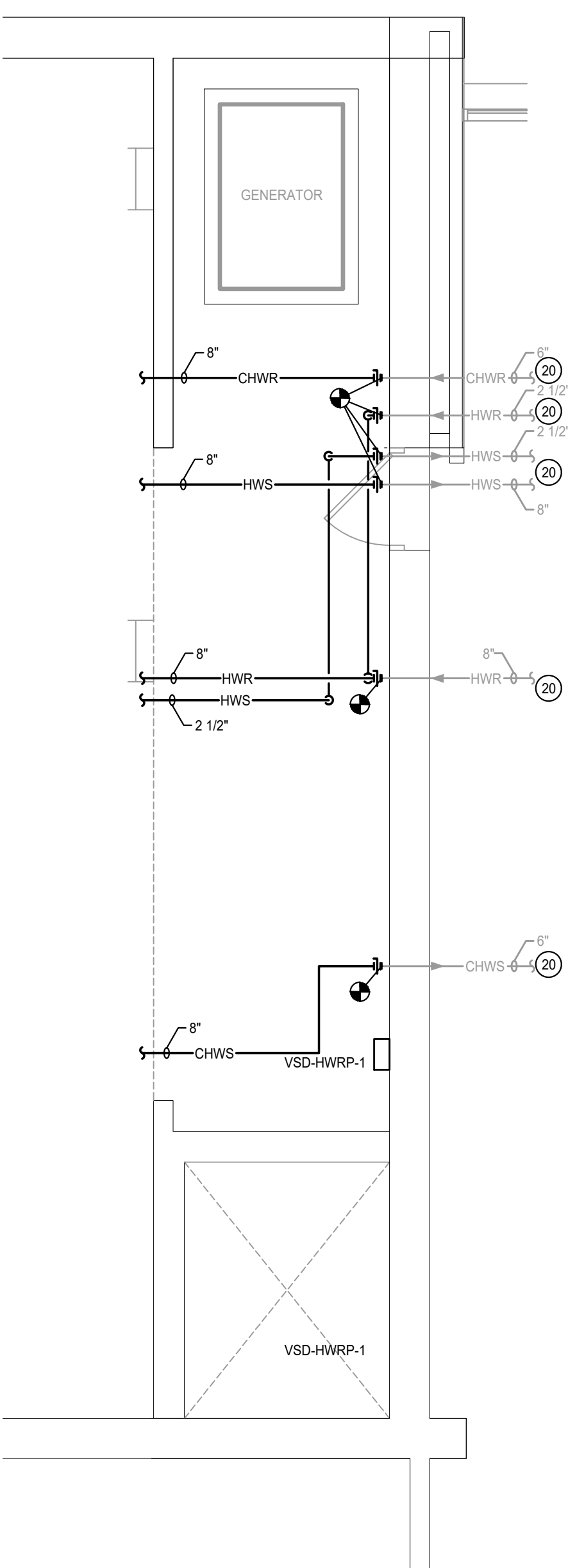
PRIOR TO STARTUP OF NEW HYDRONIC EQUIPMENT, THE CONTRACTOR SHALL FULLY DRAIN ALL SYSTEM FLUID INCLUDING NEW AND EXISTING MAIN PIPING, BRANCH PIPING, AND COILS. THE CONTRACTOR SHALL REPEATEDLY FLUSH AND DRAIN THE PIPING SYSTEM IN ITS ENTIRETY WITH COLD WATER AND CHEMICAL DETERGENT UNTIL SYSTEM FLUID IS CLEAR.

DURING SUMMER 2021 PHASE AND PRIOR TO ANY PIPING OR EQUIPMENT DEMOLITION, THE CONTRACTOR SHALL FULLY DRAIN ALL SYSTEM FLUID INCLUDING NEW AND EXISTING MAIN PIPING, BRANCH PIPING, AND COILS. THE CONTRACTOR SHALL REPEATEDLY FLUSH AND DRAIN THE PIPING SYSTEM IN ITS ENTIRETY WITH COLD WATER AND CHEMICAL DETERGENT UNTIL SYSTEM FLUID IS CLEAR.

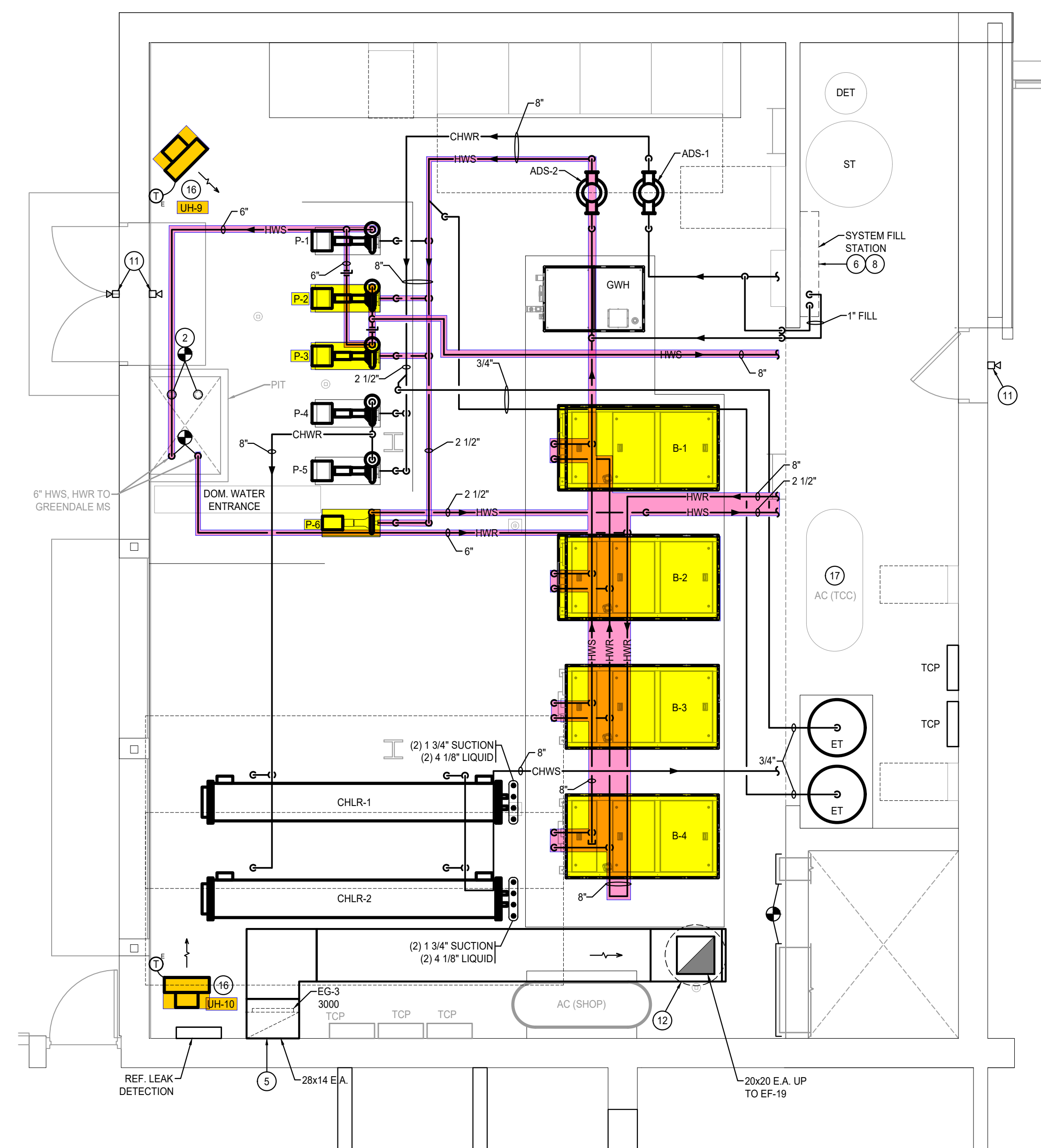
- PLAN NOTES**
- FOUR NEW 4" CONCRETE HOUSEKEEPING PAD EXTENDING 8" BEYOND ALL NEW EQUIPMENT. CONTRACTOR SHALL EMPLOY PROPER TRADES TO PATCH OPENINGS IN BUILDING CONSTRUCTION AND FINISH SURFACES TO MATCH ADJACENT AREAS. COORDINATE WITH G.C.
 - EXISTING CHILLED WATER HYDRONIC MAINS TO GREENDALE MIDDLE SCHOOL. CAP AND SEAL AIRWATER TIGHT AT TOP OF CHASE.
 - MAINTAIN ALL MANUFACTURER'S REQUIRED SERVICE CLEARANCES FOR SERVICE ACCESS, TYPICAL.
 - ROUTE ALL BOILERWATER HEATER CONDENSATE PIPING TO FACTORY PROVIDED CONDENSATE NEUTRALIZATION KITS. ALL CONDENSATE PIPING SHALL BE SOLVENT WELDED SCHEDULE 80 PVC. ROUTE PIPING TO NEAREST FLOOR DRAIN/FLOOR SINK.
 - ROUTE REFRIGERANT EXHAUST DUCTWORK DOWN TO EXHAUST GRILLE INSTALLED AT APPROXIMATELY 12" AFF.
 - REFER TO SYSTEM FILL STATION DETAIL ON DRAWING SHEET M602 FOR ADDITIONAL INFORMATION.
 - PROVIDE AND INSTALL CHEMICAL TREATMENT SYSTEM. REFER TO CHEMICAL SHOT FEEDER DETAIL ON DRAWING SHEET M602 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - ROUTE 3/4" BLOW DOWN DRAIN PIPING FROM AIR/DIRT SEPARATOR TO SYSTEM FILL STATION WITH VALVE LOCATED APPROXIMATELY 48" AFF.
 - REFER TO VARIABLE SPEED PUMP ASSEMBLY DETAIL ON DRAWING SHEET M402 FOR ADDITIONAL INFORMATION, TYPICAL.
 - PROVIDE AND INSTALL ISOLATION VALVE ON ALL PIPING EXITING BOILER ROOM PRIOR TO WALL PENETRATIONS, TYPICAL.
 - REFRIGERANT LEAK DETECTION AUDIO/VISUAL ALARM WITH ENGRAVED LABEL, BY TCC.
 - ROOF MOUNTED REFRIGERANT EXHAUST FAN, INTERLOCKED WITH REFRIGERANT LEAK DETECTION PANEL.
 - BOILER FLUES SHALL BE DOUBLE WALL STAINLESS STEEL. PROVIDE AND INSTALL PER MANUFACTURER'S VENTING REQUIREMENTS.
 - ROUTE INTAKE AND FLUE PIPING UP THROUGH ROOF AND SEAL AIRWATER TIGHT.
 - VARIABLE SPEED DRIVES FURNISHED BY TCC. PROVIDE AND INSTALL RACKS FOR MOUNTING IN LOCATION SHOWN, TYPICAL OF 5.
 - INSTALL UNIT HEATER AT APPROXIMATELY 7' AFF. SUSPEND FROM STRUCTURE AS REQUIRED.
 - RELOCATE EXISTING TCC AIR COMPRESSOR TO NEW LOCATION SHOWN DURING PHASE 1. MAINTAIN SERVICE THROUGHOUT CONSTRUCTION.
 - REFER TO BOILER ROOM BALCONY MECHANICAL PLAN FOR CONTINUATION.
 - REFER TO BOILER ROOM MECHANICAL PLAN FOR CONTINUATION.
 - REFER TO DRAWING SHEET M301B FOR CONTINUATION.



5 BOILER ROOM BOILER AND WATER HEATER FLUE AND INTAKE PLAN
SCALE: 1/8"=1'-0"



4 BOILER ROOM BALCONY MECHANICAL PLAN
SCALE: 1/4"=1'-0"



3 BOILER ROOM MECHANICAL PLAN
SCALE: 1/4"=1'-0"



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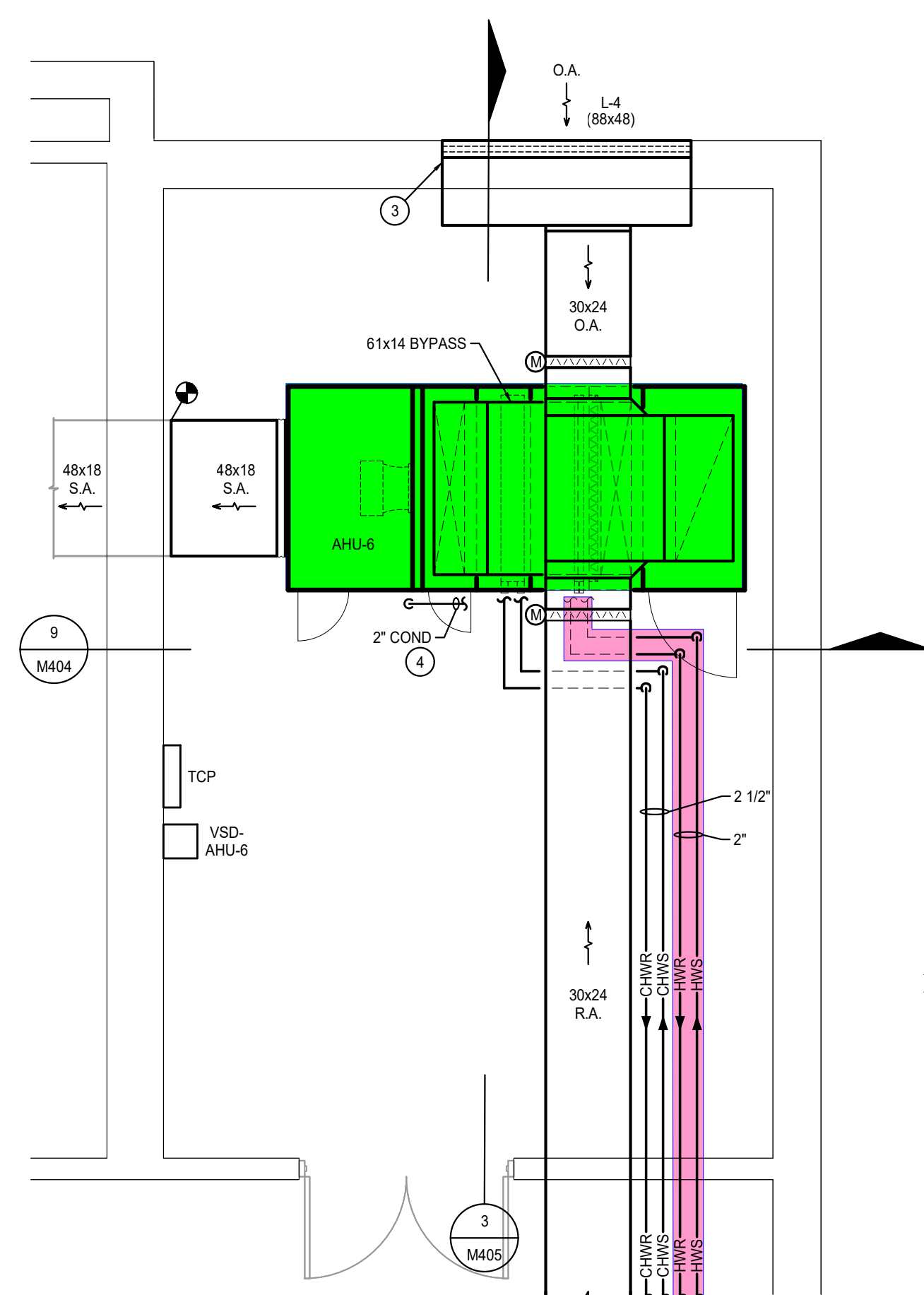
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LAWRENCEBURG, IN 47025

BOILER RM MECH PLANS - UNIT A

M401

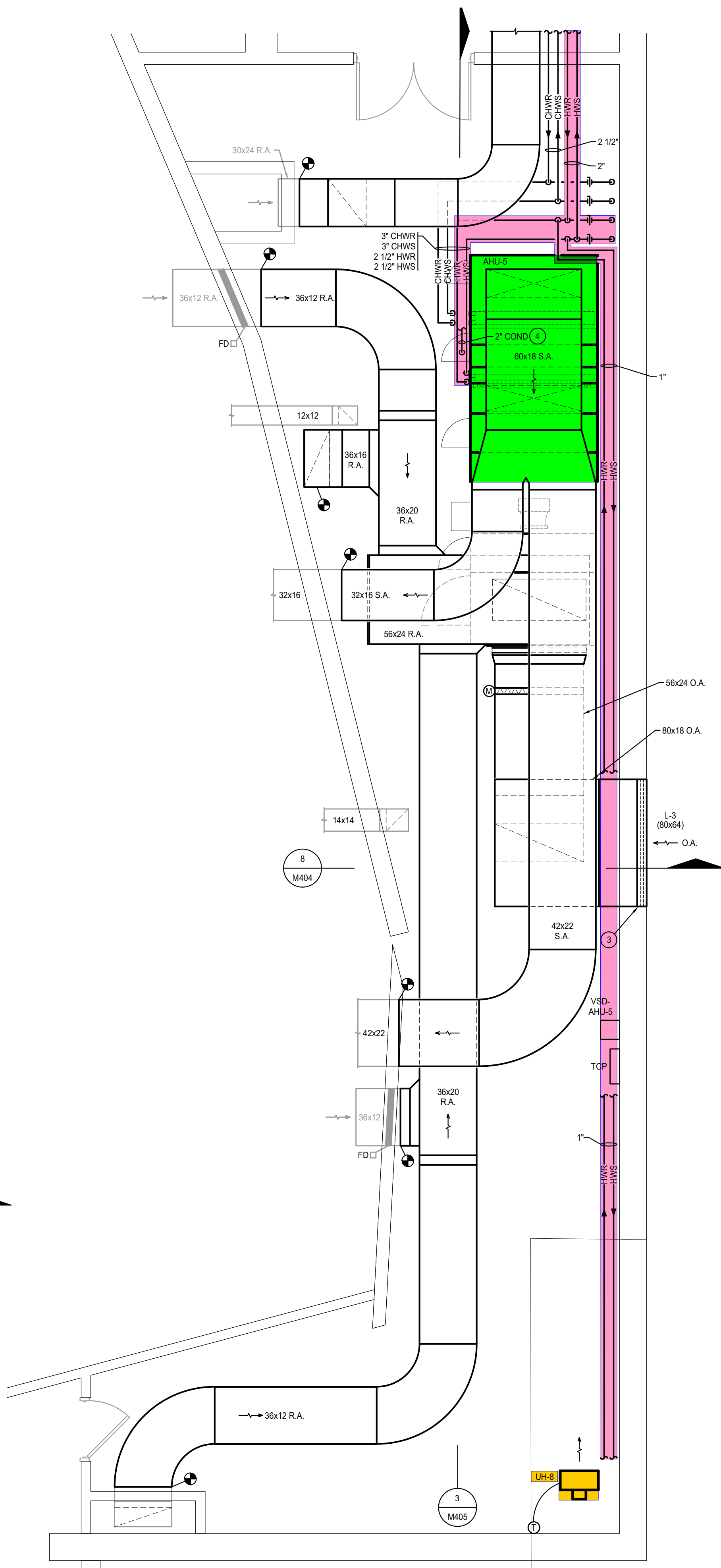
PROJECT: #20102
DATE: 04/07/2021
Date
2 01/19/22
Dir: ESR/AT

File Location = K:\2021\Lawrenceburg High School\Interior Renovations\Drawings\Mechanical\2nd Floor\2nd Floor Mechanical Plan.dwg Date Plotted = 7/2/21 Time Plotted = 10:58:30 AM Plotted by = John Copyright Primary Engineering, Inc.



3 SECOND FLOOR MECHANICAL ROOM MECHANICAL PLAN

SCALE: 1/4" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0"



2 SECOND FLOOR MECHANICAL ROOM MECHANICAL PLAN

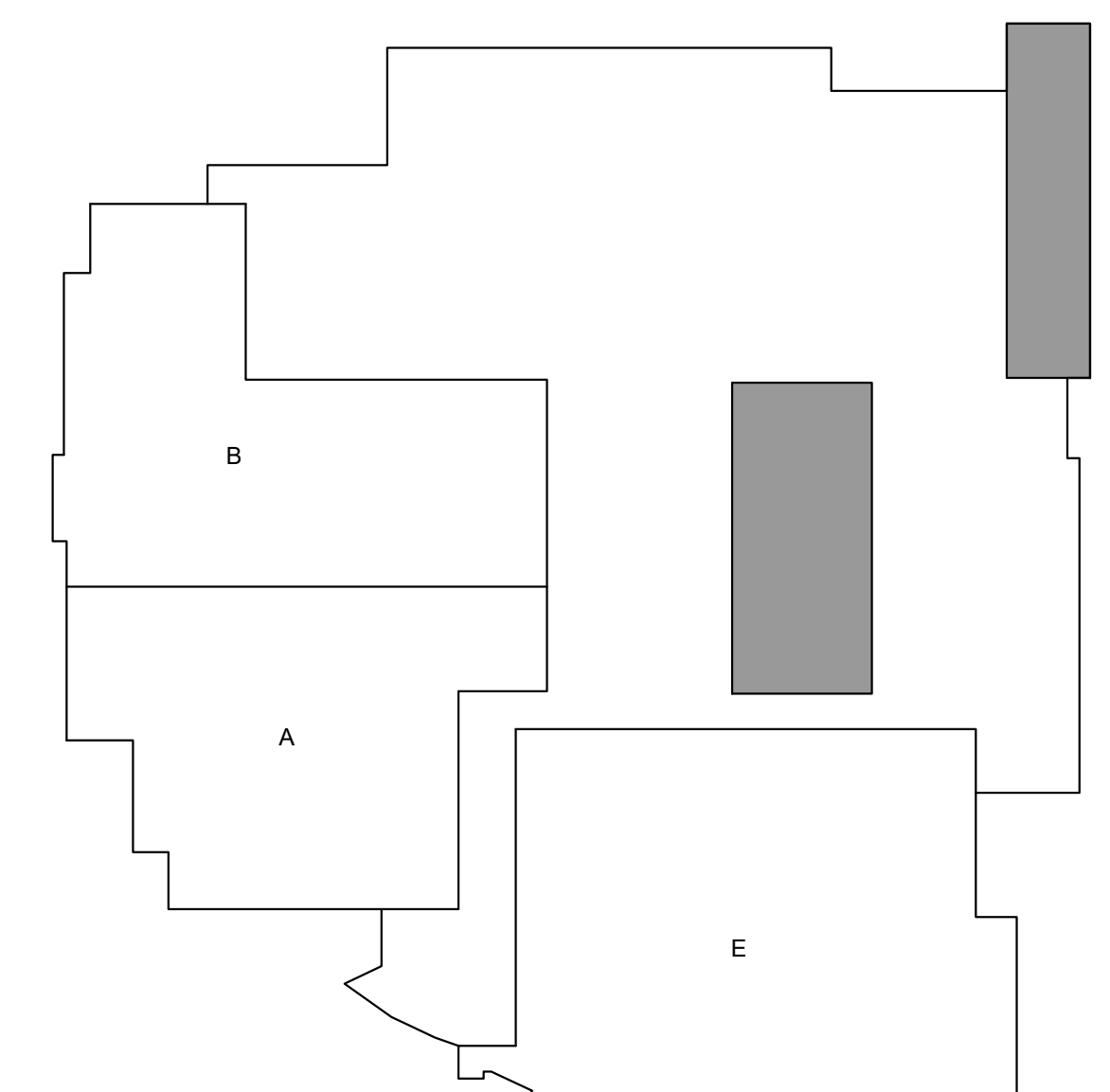
SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0"



1 SECOND FLOOR MECHANICAL ROOM MECHANICAL PLAN

SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

- PLAN NOTES**
- CUTCORE THROUGH EXISTING WALL AS REQUIRED TO ROUTE NEW DUCTWORK/PIPPING. PATCH SURFACES TO MATCH ADJACENT.
 - CUTCORE EXISTING ROOF AS REQUIRED TO ROUTE NEW DUCTWORK/PIPPING. PATCH ROOF AS REQUIRED. MAINTAIN ROOF WARRANTY.
 - PROVIDE AND INSTALL NEW LOUVER IN EXISTING OPENING.
 - ROUTE CONDENSATE PIPING EXPOSED ON FLOOR TO NEAREST FLOOR DRAIN.
 - PROVIDE AND INSTALL NEW ROOF CURB FOR DUCTWORK UP TO RTU-1.
 - ROUTE HOT WATER PIPING UP WITHIN RTU-1 CABINET.
 - CAP AND ABANDON LOUVER WITH 4" THICK RIGID INSULATION AND SHEET METAL SEALED WITH SILICONE SEALANT.
 - REFER TO STRUCTURAL DRAWINGS FOR ROOF OPENING DETAILS.
 - ALL NATATORIUM DUCTWORK SHALL BE ALUMINUM. REFER TO SPECIFICATIONS.



KEYPLAN

ISSUED FOR CONSTRUCTION 07-06-2021

LANCER + BEEBE

PRIMARY ENGINEERING, INC. Fort Wayne, IN

LAWRENCEBURG HIGH SCHOOL INTERIOR RENOVATIONS
100 TIGER BOULEVARD
LAWRENCEBURG, IN 47025

PROJECT: #20102
DATE: 04/07/2021
BY: DMB
CHECKED: JMB
DATE: 04/22/21
ADD: JH

REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
PE11700017

ENLARGED 2ND FLR MECH PLAN

M403

PRIMARY JOB #20102