

BASEMENT FLOOR PLAN
SCALE: 1/8"=1'-0"

- MECHANICAL GENERAL NOTES:**
- ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
 - DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 - CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
 - RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE. PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
 - ALL DUCTWORK SERVING THE ENERGY RECOVERY UNIT SHALL BE MINIMAL 26 GAUGE SHEET METAL FROM THE ERU TO THE AIR DEVICE. NO FLEXIBLE DUCTWORK IS ALLOWED. THIS SHALL COMPLY WITH THE IBC 2015 717.5.4 FIRE PARTITIONS EXCEPTION #4.
 - COORDINATE FINAL THERMOSTAT LOCATIONS WITH ARCHITECT AND OWNER.
 - RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GUAGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK FROM PENETRATIONS WITH THE LIGHT-GUAGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
 - EVERY DIFFUSER BRANCH DUCT SHALL HAVE A VOLUME DAMPER. ALL ENERGY RECOVERY DUCTWORK SHALL USE A CONSTANT AIR REGULATOR.
 - ALL FAN COILS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTOR.
 - ALL EXHAUSTS AND VENT TERMINALS FROM NON-RESIDENTIAL SOURCES MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND OPERABLE PORTIONS OF ANY WINDOW.
 - ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
 - ANY DUCTWORK THAT RUNS OUTSIDE OF THE BUILDING ENVELOPE SHALL HAVE ADDITIONAL INSULATION, REFER TO THE INSULATION SPECIFICATION FOR FURTHER DETAIL.

- CONSTRUCTION NOTES: (NOT ALL NOTES USED, REFER TO PLANS)**
- ROUTE LAUNDRY EXHAUST FROM DRYER OUTLET TO SIDEWALL VENT. PROVIDE ANODIZED DRYER VENT W/ BACKDRAFT DAMPER. SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
 - ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BIRDSCREEN. COLOR SELECTED BY ARCHITECT.
 - ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BIRDSCREEN. COLOR SELECTED BY ARCHITECT.
 - ROUTE REFRIGERANT PIPING FROM FREEZER/ REFRIGERATOR UP TO CONDENSERS ON ROOF PER MANUFACTURER'S REQUIREMENTS. CONDENSERS SHALL BE OUTDOOR, REMOTE MOUNTED, AND SHALL NOT REJECT HEAT TO THE SPACE.
 - REFER TO TYPICAL UNIT PLAN DRAWINGS ON SHEETS M2.1, M2.2, M2.3, AND M2.4 FOR EQUIPMENT LOCATIONS AND ASSOCIATED WORK IN THE RESIDENT UNITS.
 - COMBINATION FIRE AND SMOKE DAMPER. COORDINATE W/ EC AND FA CONTRACTORS IN ORDER TO INTEGRATE INTO SMOKE DETECTOR(S) AND FACP. CONTRACTOR SHALL INSTALL DAMPER WITH PROPER CLEARANCES AND ACCESS FOR MAINTENANCE. PROVIDE ACCESS PANELS (RATED) WHERE REQUIRED.
 - TYPE 1 COMMERCIAL KITCHEN HOOD GREASE DUCT WELDED STEEL W/ ZERO CLEARANCE WRAP FROM HOOD TO FAN INLET.
 - TYPE 2 DISHWASHER EXHAUST HOOD DUCT ALUMINUM FROM HOOD TO FAN INLET.
 - PROVIDE 18"x18" RECESSED FIRE RATED ACCESS PANEL W/ PERFORATED MADING FRAME EQUAL TO ACJORDR FNC-5015 IN DRYWALL CEILING, AND FB-5060-TD IN WOOD CEILING. FINAL LOCATION SELECTED BY ARCHITECT AND OWNER DURING SHOP DRAWING PHASE OF PROJECT.

- PROVIDE FILTERED RETURN GRILLE. NO FILTERED REQUIRED AT FAN COIL. REFER TO DIFFUSER SCHEDULE FOR SIZING.
- PROVIDE 78"x64" O.A. LOUVER 23,000 CFM, 1" @ 1000 FPM, BASED ON GREENHECK TESU-153" LOUVER PAINT IN COLOR SELECTED BY ARCHITECT.
- PROVIDE 30" CLEARANCE ON CONDUIT SIDE OF UNIT
- PROVIDE 6" VENT FROM FIRE PLACE TO ROOF. SIZING TO BE CONFIRMED BY THE MANUFACTURER PRIOR TO ROUGH IN.
- EXTEND DUCTWORK TO ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
- NO DUCTWORK IS ALLOWED TO RUN ABOVE ELECTRICAL PANELS.
- SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
- 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR LOCATIONS, THRU ROOF FOR THIRD FLOOR LOCATIONS. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL, PROVIDE DRYER WALL BOX, CLEAN OUT, & BOOSTER FAN WHERE REQUIRED) IN LAUNDRY ROOM.

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSTRUED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT THE DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL BY THE DESIGN PROFESSIONAL OF ANY FUTURE USE. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN APPROVAL BY THE DESIGN PROFESSIONAL IS AT THE SOLE RISK AND LIABILITY OF THE USER. THE DESIGN PROFESSIONAL RESERVES THE RIGHT TO REMOVE OUR PROFESSIONAL SEAL AND/OR TITLE BLOCK.

NOTICE
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Construction Issue Date:	05.06.2022 PERMIT/BID SET
Drawn By:	STK/G/KG
Checked By:	MW
Scale:	AS NOTED

Sheet Name: BASEMENT FLOOR PLAN	Revisions:
Progress Prints:	▲
05.06.2022 PERMIT/BID SET	▲
05.06.2022 CONSTRUCTION SET 07.1.22	▲
REV. ISSUE: 05.12.22	▲

MI.0

Area A

area B

10's

8

10

CONSTRUCTION NOTES: (NOT ALL NOTES USED, REFER TO PLANS)

- ROUTE LAUNDRY EXHAUST FROM OWNER OUTLET TO EXHAUST VENT. PROVIDE ANODIZED DRYER VENT W/ MAJORITY DAMPER. SEVERAL TERMINATION KIT TO EQUAL. FINISH COORDINATE FINISHES WITH ARCHITECT.
- ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BROOKGREEN COLOR SELECTED BY ARCHITECT.
- ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BROOKGREEN COLOR SELECTED BY ARCHITECT.
- ROUTE REFRIGERANT PIPING FROM FREEZER/ REFRIGERATOR UP TO CONDENSERS ON ROOF FOR MANUFACTURER'S REQUIREMENTS. CONDENSERS SHALL BE OUTDOOR. REMOTE MOUNTED, AND SHALL NOT REFLECT HEAT TO THE SPACE.
- REFER TO TYPICAL UNIT PLAN DRAWINGS ON SHEETS M.E.L. 102.1, M.E.L. 102.2 AND M.E.L. 102.3 FOR EQUIPMENT LOCATIONS AND ASSOCIATED VENT IN THE RESIDENT UNITS.
- COORDINATION FIRE AND SMOKE DAMPERS. COORDINATE W/ EC AND FA CONTRACTORS IN ORDER TO INTEGRATE W/ SMOKE EXTRACTORS AND RCP. CONTRACTOR SHALL INSTALL DAMPERS WITH PROPER CLEARANCES AND ACCESS FOR MAINTENANCE. PROVIDE ACCESS PANELS (NOTED WHERE REQUIRED).
- TYPE 1 COMMERCIAL KITCHEN HOOD GREASE DUCT WELDED STEEL W/ ZERO CLEARANCE STOP FROM HOOD TO FAN INLET.
- TYPE 2 DISHWASHER EXHAUST HOOD DUCT ALUMINUM FROM HOOD TO FAN INLET.
- PROVIDE 1/2" X 1/2" RECESSED FIRE RATED ACCESS PANEL W/ PERFORATED METALIC FRAME EQUAL TO ACCESS PNC-5015 IN CENTRAL CEILING, AND PNC-5015-10 IN WOOD CEILING. FIN. LOCATION SELECTED BY ARCHITECT AND CHECK DURING SHOP DRAWING PHASE OF PROJECT.
- PROVIDE FILTERED RETURN GRILLE, NO FILTER REQUIRED AT FAN COIL. REFER TO SPECIFICATIONS FOR SIZING.
- PROVIDE 7/8" X 4" O.A. LAMER 32000 CFM, 1" X 1000 FPM, BASED ON DESIGNER 700-157 LAMER PANEL IN COLOR SELECTED BY ARCHITECT.
- PROVIDE 30' CLEARANCE ON CONDUIT SIZE OF UNIT.
- PROVIDE 6" VENT FROM FAN PLAC TO ROOF. SIZING TO BE CONFIRMED BY THE MANUFACTURER PRIOR TO ROUGH IN.
- EXTEND DUCTWORK TO ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
- NO DUCTWORK IS ALLOWED TO RUN ABOVE ELECTRICAL PANELS.
- SEVERAL TERMINATION KIT TO EQUAL. FINISH COORDINATE FINISHES WITH ARCHITECT.
- 1/2" DRIVER DUCTWORK DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SPOKES ARE ALLOWED TO BE USED THROUGH THE DUCT. DUCTS SHALL BE THROUGH SEVERAL FOR FIRST AND SECOND FLOOR LOCATIONS. WALL ROOF THROUGH CEILING TO SECOND FLOOR. REFER TO SPECIFICATIONS FOR SIZING AND COMMENTS. FOR METAL, PROVIDE DRYER VENT W/ CLEAN OUT, 2 HOODS FAN W/ REMOVED IN LAUNDRY ROOM.

PARTIAL FIRST FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

MECHANICAL GENERAL NOTES

- ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
- DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST OFFSETER AND/OR BRANCH TAKE-OFF.
- CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
- RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE. PROVIDE REQUIRED AIR CAP AT DISCHARGE POINT. REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
- ALL DUCTWORK SERVING THE EXHAUST RECOVERY UNIT SHALL BE MINIMUM 26 GAUGE SHEET METAL FROM THE ERU TO THE AIR DEVICE. NO FLEXIBLE DUCTWORK IS ALLOWED. THIS SHALL COMPLY WITH THE IRC 2018 707.4 FIRE PARTITIONS EXCEPT AS NOTED.
- COORDINATE FINAL THERMOSTAT LOCATIONS WITH ARCHITECT AND OWNER.
- RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GAUGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK RUN PENETRATIONS WITH THE LIGHT-GAUGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
- EVERY OFFSETER BRANCH DUCT SHALL HAVE A VOLUME DAMPER. ALL EXHAUST RECOVERY DUCTWORK SHALL USE A CONSTANT AIR CONTROLLER.
- ALL FIN RISERS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTION.
- ALL CONDENSES AND VENT TERMINALS FROM NON-RESIDENTIAL SOURCES MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND OPERABLE PORTIONS OF ANY WINDOW.
- ALL CONDENSES AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 15'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 5'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
- ANY DUCTWORK THAT RUNS OUTSIDE OF THE BUILDING ENVELOPE SHALL HAVE ADDITIONAL INSULATION. REFER TO THE INSULATION SPECIFICATION FOR FURTHER DETAIL.

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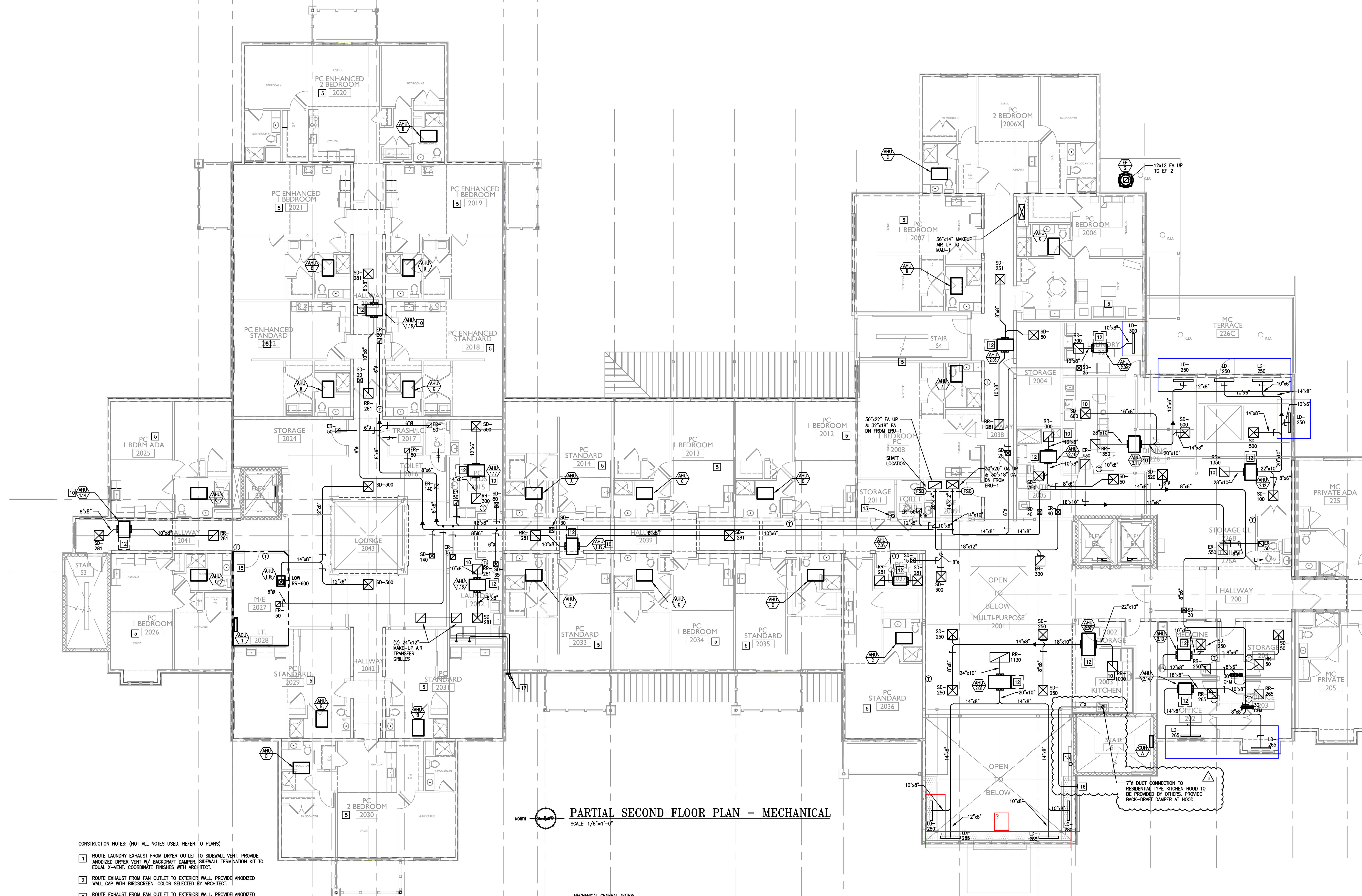
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 Checked By: HW
 Scale: AS NOTED

Sheet Name: FIRST FLOOR PLAN
 Revision: 1
 Date: 05/02/23
 Project: FIELD STONE @ CHESTER SPRINGS

M.I.I.



PARTIAL SECOND FLOOR PLAN - MECHANICAL
 SCALE: 1/8"=1'-0"

- CONSTRUCTION NOTES: (NOT ALL NOTES USED, REFER TO PLANS)
- ROUTE LAUNDRY EXHAUST FROM DRYER OUTLET TO SIDEWALL VENT. PROVIDE ANODIZED DRYER VENT W/ BACKDRIFT DAMPER, SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
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 - TYPE 2 DISHWASHER EXHAUST HOOD DUCT ALUMINUM FROM HOOD TO FAN INLET.
 - PROVIDE 18"x18" RECESSED FIRE RATED ACCESS PANEL W/ PERFORATED MUDRING FRAME. EQUAL TO ACQUOR FWC-5015 IN DRYWALL CEILING, AND FB-5066-10 IN WOOD CEILING. FINAL LOCATION SELECTED BY ARCHITECT AND OWNER DURING SHOP DRAWING PHASE OF PROJECT.

- PROVIDE FILTERED RETURN GRILLE, NO FILTERED REQUIRED AT FAN COIL. REFER TO DIFFUSER SCHEDULE FOR SIZING.
- PROVIDE 78"x64" O.A. LOUVER 23,000 CFM, 1" @ 1000 FPM BASED ON GREENHECK "ESU-153" LOUVER PAINT IN COLOR SELECTED BY ARCHITECT.
- PROVIDE 30" CLEARANCE ON CONDUIT SIDE OF UNIT
- PROVIDE 6" VENT FROM FIRE PLACE TO ROOF. SIZING TO BE CONFIRMED BY THE MANUFACTURER PRIOR TO ROUGH IN.
- EXTEND DUCTWORK TO ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
- NO DUCTWORK IS ALLOWED TO RUN ABOVE ELECTRICAL PANELS.
- SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
- 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR LOCATIONS, THRU ROOF FOR THIRD FLOOR LOCATIONS. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION), PER DETAIL. PROVIDE DRYER WALL BOX, CLEAN OUT, & BOOSTER FAN WHERE REQUIRED) IN LAUNDRY ROOM.

- MECHANICAL GENERAL NOTES:
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 - DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 - CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
 - RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
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 - RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GAUGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK RUN PENETRATIONS WITH THE LIGHT-GAUGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
 - EVERY DIFFUSER BRANCH DUCT SHALL HAVE A VOLUME DAMPER. ALL ENERGY RECOVERY DUCTWORK SHALL USE A CONSTANT AIR REGULATOR.
 - ALL FAN COLS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTOR.
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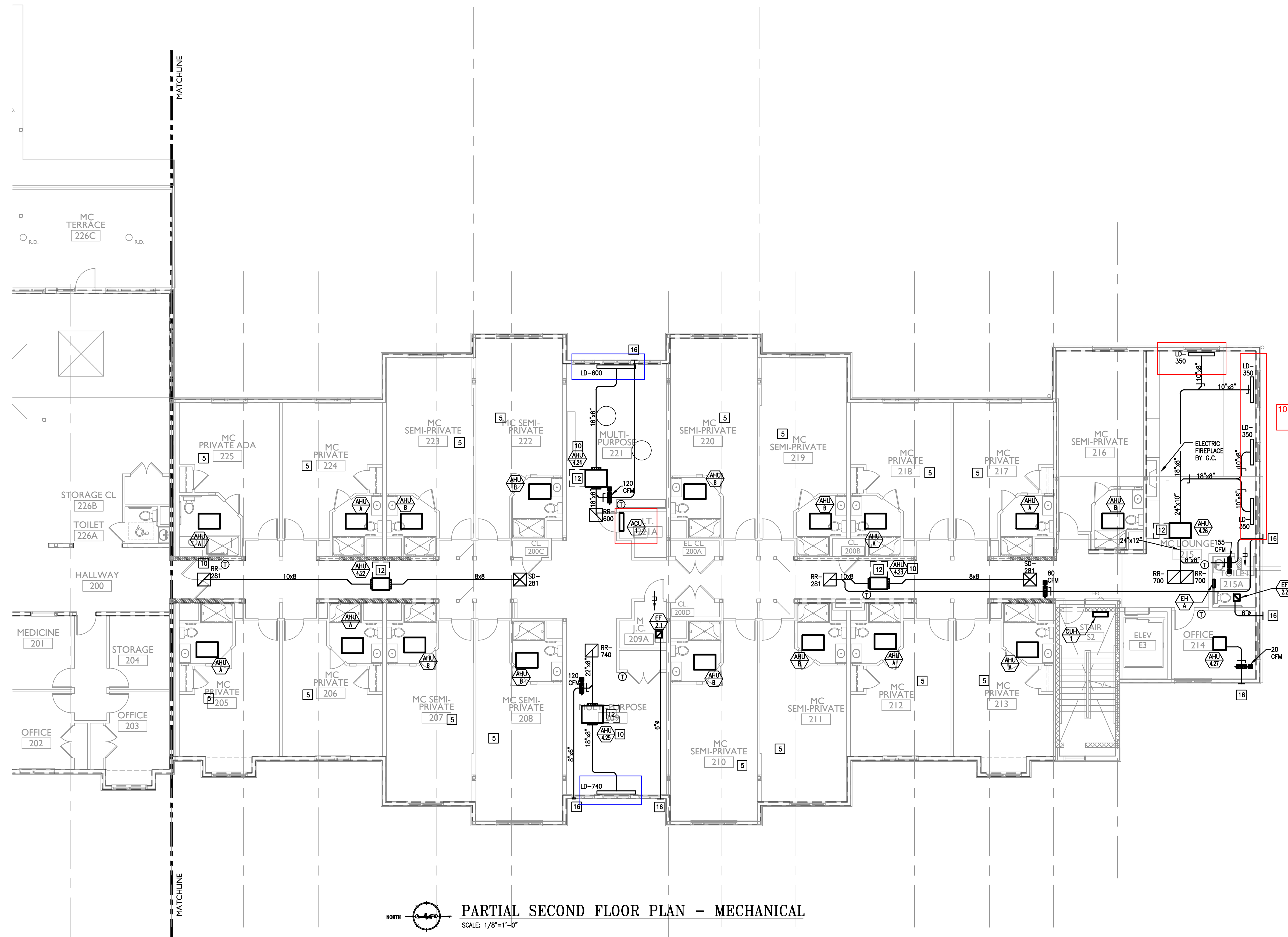
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Drawn By:	STK/G/K/G
Checked By:	MW
Scale:	AS NOTED

Sheet Name: SECOND FLOOR PLAN

Progress Prints:	05.06.2022 PERMIT/BD SET						
Revisions:	<table border="1" style="border-collapse: collapse;"> <tr> <td>NO. 1</td> <td>ADD L CONSTRUCTION SET 07.12.22</td> </tr> <tr> <td>NO. 2</td> <td>REVISE 08.22</td> </tr> <tr> <td>NO. 3</td> <td>BULLETIN 08.23</td> </tr> </table>	NO. 1	ADD L CONSTRUCTION SET 07.12.22	NO. 2	REVISE 08.22	NO. 3	BULLETIN 08.23
NO. 1	ADD L CONSTRUCTION SET 07.12.22						
NO. 2	REVISE 08.22						
NO. 3	BULLETIN 08.23						

MI.3



PARTIAL SECOND FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

MECHANICAL GENERAL NOTES:

1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
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12. ANY DUCTWORK THAT RUNS OUTSIDE OF THE BUILDING ENVELOPE SHALL HAVE ADDITIONAL INSULATION, REFER TO THE INSULATION SPECIFICATION FOR FURTHER DETAIL.

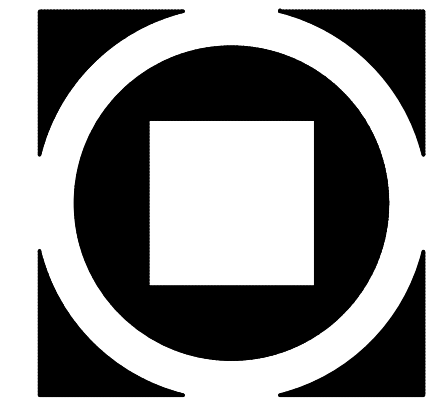
CONSTRUCTION NOTES: (NOT ALL NOTES USED, REFER TO PLANS)

1. ROUTE LAUNDRY EXHAUST FROM DRYER OUTLET TO SIDEWALL VENT. PROVIDE ANODIZED DRYER VENT W/ BACKDRAFT DAMPER. SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
2. ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BRIDSCREEN. COLOR SELECTED BY ARCHITECT.
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4. ROUTE REFRIGERANT PIPING FROM FREEZER/ REFRIGERATOR UP TO CONDENSERS(S) ON ROOF PER MANUFACTURER'S REQUIREMENTS. CONDENSERS SHALL BE OUTDOOR, REMOTE MOUNTED, AND SHALL NOT REJECT HEAT TO THE SPACE.
5. REFER TO TYPICAL PLAN DRAWINGS ON SHEETS M2.1, M2.2, M2.3, AND M2.4, FOR EQUIPMENT LOCATIONS AND ASSOCIATED WORK IN THE RESIDENT UNITS.
6. COMBINATION FIRE AND SMOKE DAMPER. COORDINATE W/ EC AND FA CONTRACTORS IN ORDER TO INTEGRATE INTO SMOKE DETECTOR(S) AND FACP. CONTRACTOR SHALL INSTALL DAMPER WITH PROPER CLEARANCES AND ACCESS FOR MAINTENANCE. PROVIDE ACCESS PANELS (RATED) WHERE REQUIRED.
7. TYPE 1 COMMERCIAL KITCHEN HOOD GREASE DUCT WELDED STEEL W/ ZERO CLEARANCE WRAP FROM HOOD TO FAN INLET.
8. TYPE 2 DISHWASHER EXHAUST HOOD DUCT ALUMINUM FROM HOOD TO FAN INLET.
9. PROVIDE 18"x18" RECESSED FIRE RATED ACCESS PANEL W/ PERFORATED MUDRING FRAME. EQUAL TO ACQUOR FWC-5015 IN DRYWALL CEILING. AND FB-5060-TD IN WOOD CEILING. FINAL LOCATION SELECTED BY ARCHITECT AND OWNER DURING SHOP DRAWING PHASE OF PROJECT.


10. PROVIDE FILTERED RETURN GRILLE. NO FILTERED REQUIRED AT FAN COIL. REFER TO DIFFUSER SCHEDULE FOR SIZING.
11. PROVIDE 78"x64" O.A. LOUVER 23,000 CFM, 1" @ 1000 FPM, BASED ON GREENCHECK "ESU-153" LOUVER PAINT IN COLOR SELECTED BY ARCHITECT.
12. PROVIDE 30" CLEARANCE ON CONDUIT SIDE OF UNIT
13. PROVIDE 6" VENT FROM FIRE PLACE TO ROOF. SIZING TO BE CONFIRMED BY THE MANUFACTURER PRIOR TO ROUGH IN.
14. EXTEND DUCTWORK TO ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
15. NO DUCTWORK IS ALLOWED TO RUN ABOVE ELECTRICAL PANELS.
16. SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
17. 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR LOCATIONS, THRU ROOF FOR THIRD FLOOR LOCATIONS. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL. PROVIDE DRYER WALL BOX, CLEAN OUT, & BOOSTER FAN *WHERE REQUIRED) IN LAUNDRY ROOM.

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSTRUED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT ALL THE DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL BY THE DESIGN PROFESSIONAL OF ANY FUTURE USE. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN APPROVAL BY THE DESIGN PROFESSIONAL IS AT THE SOLE RISK AND LIABILITY OF THE USER. THE DESIGN PROFESSIONAL RESERVES THE RIGHT TO REMOVE OUR PROFESSIONAL SEAL AND/OR TITLE BLOCK.


NOTICE
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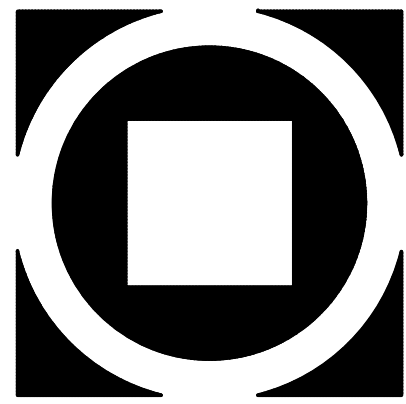
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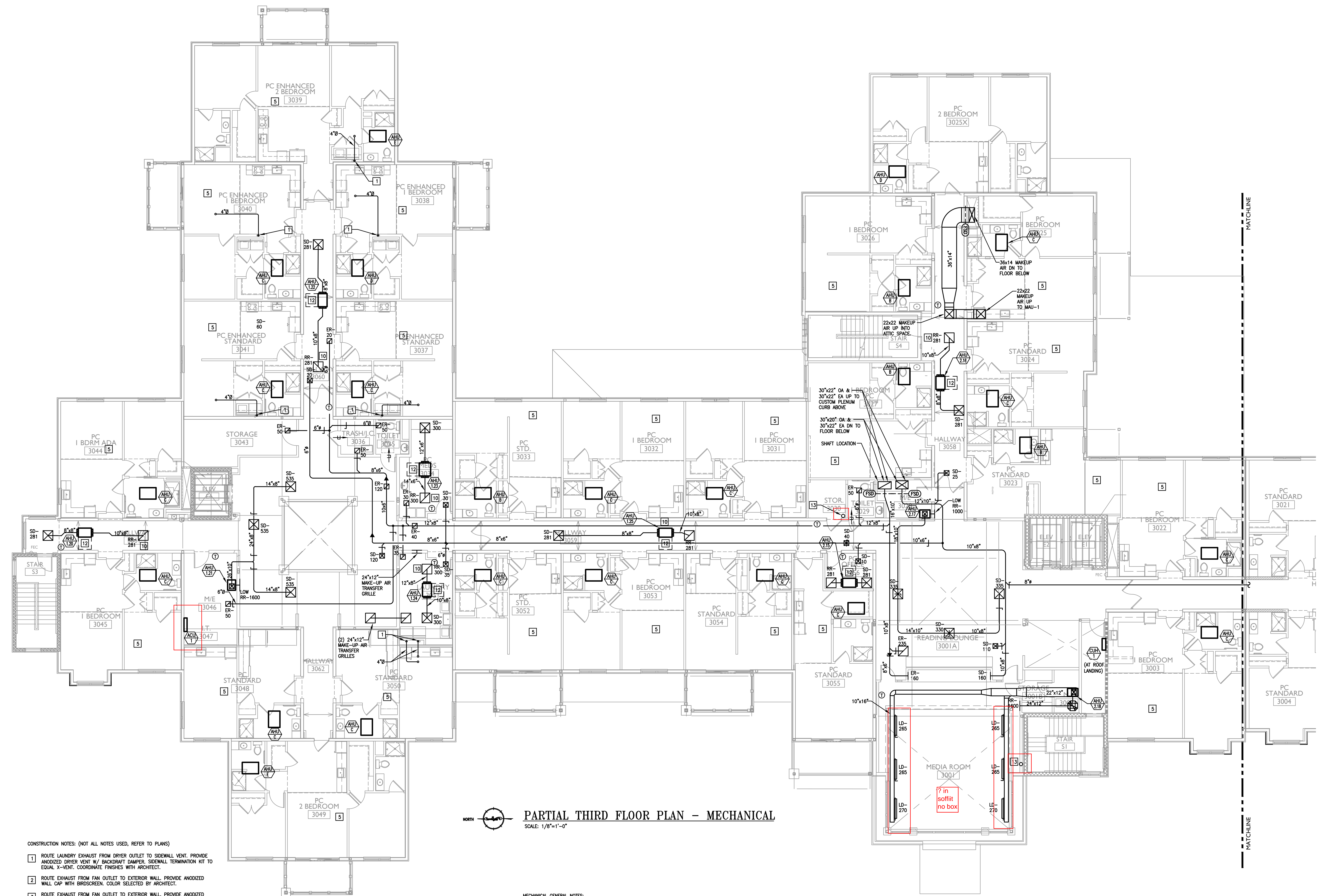
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- CONSTRUCTION NOTES: (NOT ALL NOTES USED, REFER TO PLANS)
- ROUTE LAUNDRY EXHAUST FROM DRYER OUTLET TO SIDEWALL VENT. PROVIDE ANODIZED DRYER VENT W/ BACKDRIFT DAMPER, SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
 - ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BIRDSCREEN. COLOR SELECTED BY ARCHITECT.
 - ROUTE EXHAUST FROM FAN OUTLET TO EXTERIOR WALL. PROVIDE ANODIZED WALL CAP WITH BIRDSCREEN. COLOR SELECTED BY ARCHITECT.
 - ROUTE REFRIGERANT PIPING FROM FREEZER/ REFRIGERATOR UP TO CONDENSER(S) ON ROOF PER MANUFACTURER'S REQUIREMENTS. CONDENSERS SHALL BE OUTDOOR, REMOTE MOUNTED, AND SHALL NOT REJECT HEAT TO THE SPACE.
 - REFER TO TYPICAL UNIT PLAN DRAWINGS ON SHEETS M2.1, M2.2, M2.3, AND M2.4 FOR EQUIPMENT LOCATIONS AND ASSOCIATED WORK IN THE RESIDENT UNITS.
 - COMBINATION FIRE AND SMOKE DAMPER. COORDINATE W/ EC AND FA CONTRACTORS IN ORDER TO INTEGRATE INTO SMOKE DETECTOR(S) AND FACP. CONTRACTOR SHALL INSTALL DAMPER WITH PROPER CLEARANCES AND ACCESS FOR MAINTENANCE. PROVIDE ACCESS PANELS (RATED) WHERE REQUIRED.
 - TYPE 1 COMMERCIAL KITCHEN HOOD GREASE DUCT WELDED STEEL W/ ZERO CLEARANCE WRAP FROM HOOD TO FAN INLET.
 - TYPE 2 DISHWASHER EXHAUST HOOD DUCT ALUMINUM FROM HOOD TO FAN INLET.
 - PROVIDE 18"x18" RECESSED FIRE RATED ACCESS PANEL W/ PERFORATED MOUNTING FRAME. EQUAL TO ACQUDOR FWC-5015 IN DRYWALL CEILINGS, AND FB-5066-10 IN WOOD CEILINGS. FINAL LOCATION SELECTED BY ARCHITECT AND OWNER DURING SHOP DRAWING PHASE OF PROJECT.

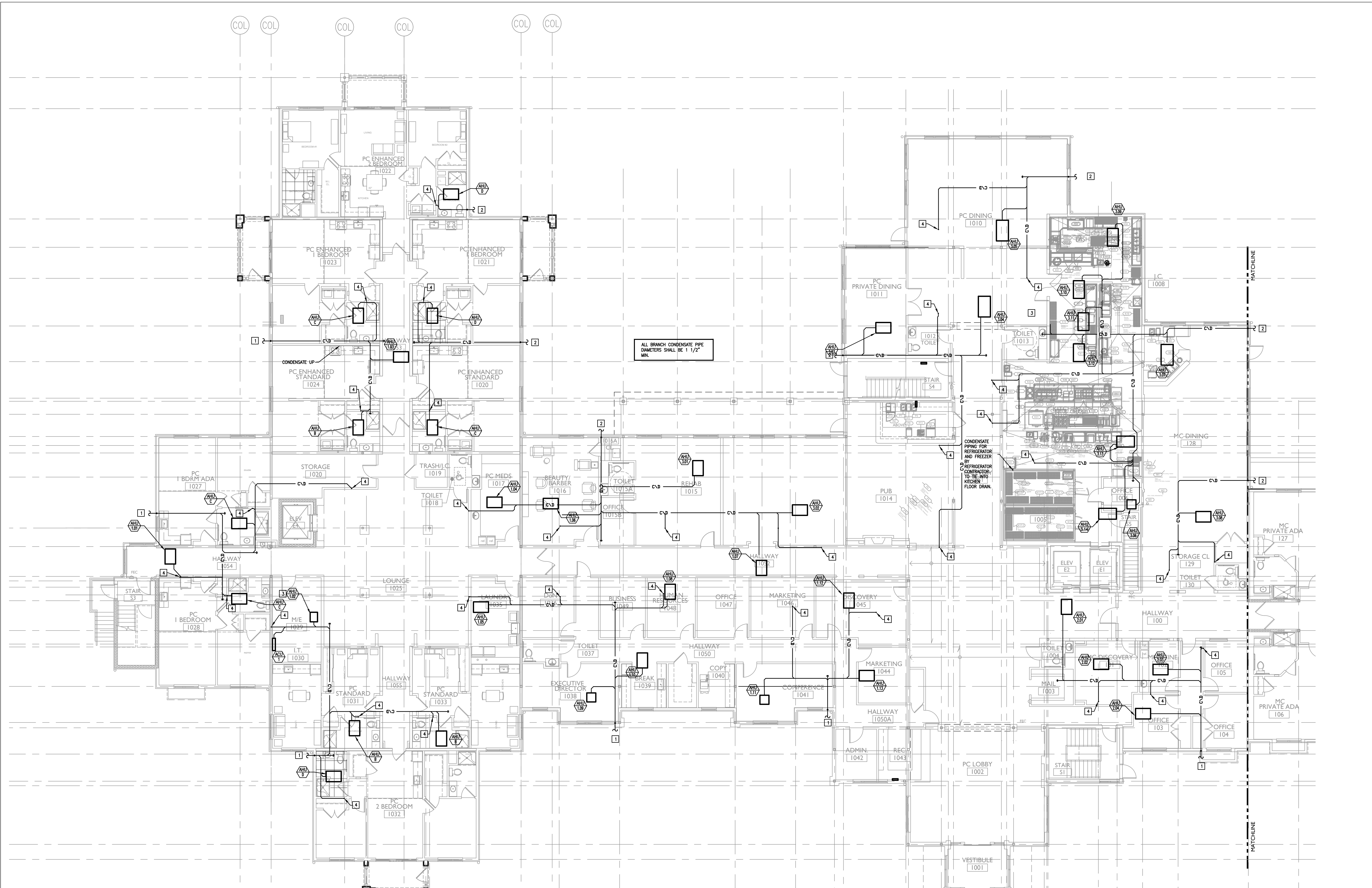
- PROVIDE FILTERED RETURN GRILLE, NO FILTERED REQUIRED AT FAN COIL. REFER TO DIFFUSER SCHEDULE FOR SIZING.
- PROVIDE 78"x64" O.A. LOUVER 23,000 CFM, 1" @ 1000 FPM BASED ON GREENHECK "ESU-153" LOUVER PAINT IN COLOR SELECTED BY ARCHITECT.
- PROVIDE 30" CLEARANCE ON CONDUIT SIDE OF UNIT
- PROVIDE 6" VENT FROM FIRE PLACE TO ROOF. SIZING TO BE CONFIRMED BY THE MANUFACTURER PRIOR TO ROUGH IN.
- EXTEND DUCTWORK TO ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
- NO DUCTWORK IS ALLOWED TO RUN ABOVE ELECTRICAL PANELS.
- SIDEWALL TERMINATION KIT TO EQUAL X-VENT. COORDINATE FINISHES WITH ARCHITECT.
- 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR LOCATIONS, THRU ROOF FOR THIRD FLOOR LOCATIONS. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION), PER DETAIL. PROVIDE DRYER WALL BOX, CLEAN OUT, & BOOSTER FAN *WHERE REQUIRED) IN LAUNDRY ROOM.

PARTIAL THIRD FLOOR PLAN - MECHANICAL
 SCALE: 1/8"=1'-0"

- MECHANICAL GENERAL NOTES:
- ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
 - DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 - CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
 - RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
 - ALL DUCTWORK SERVING THE ENERGY RECOVERY UNIT SHALL BE MINIMAL 26 GAUGE SHEET METAL FROM THE ERU TO THE AIR DEVICE. NO FLEXIBLE DUCTWORK IS ALLOWED. THIS SHALL COMPLY WITH THE IBC 2015 717.5.4 FIRE PARTITIONS EXCEPTION #4.
 - COORDINATE FINAL THERMOSTAT LOCATIONS WITH ARCHITECT AND OWNER.
 - RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GUAGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK RUN PENETRATIONS WITH THE LIGHT-GUAGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
 - EVERY DIFFUSER BRANCH DUCT SHALL HAVE A VOLUME DAMPER. ALL ENERGY RECOVERY DUCTWORK SHALL USE A CONSTANT AIR REGULATOR.
 - ALL FAN COLS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTOR.
 - ALL EXHAUSTS AND VENT TERMINALS FROM NON-RESIDENTIAL SOURCES MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND OPERABLE PORTIONS OF ANY WINDOW.
 - ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
 - ANY DUCTWORK THAT RUNS OUTSIDE OF THE BUILDING ENVELOPE SHALL HAVE ADDITIONAL INSULATION, REFER TO THE INSULATION SPECIFICATION FOR FURTHER DETAIL.

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSTRUED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL BY THE DESIGN PROFESSIONAL OF ANY FUTURE USE. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN APPROVAL BY THE DESIGN PROFESSIONAL IS AT THE SOLE RISK AND LIABILITY OF THE USER. THE DESIGN PROFESSIONAL RESERVES THE RIGHT TO REMOVE OUR PROFESSIONAL SEAL AND/OR TITLE BLOCK.

NOTICE
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PARTIAL FIRST FLOOR PLAN - MECHANICAL-CONDENSATE PIPING
 SCALE: 1/8"=1'-0"

MECHANICAL CONSTRUCTION NOTES:

- 1 2" CONDENSATE DOWN AND DISCHARGE TO GRADE.
- 2 CONTRACTOR SHALL CONNECT CONDENSATE PIPE TO LOCAL DOWNSPOUT. THE CONNECTION SHALL OCCUR OUTSIDE OF THE BUILDING ENVELOPE. PROVIDE INDIRECT WASTE CONNECTION.
- 3 PROVIDE CONDENSATE PUMP.
- 4 CONDENSATE UP
- 5 CONDENSATE UP & DOWN
- 6 CONDENSATE DOWN
- 7 CONDENSATE PIPING FOR REFRIGERATOR AND FREEZER BY REFRIGERATOR CONTRACTOR, TO THE INTO KITCHEN FLOOR DRAIN.

MECHANICAL GENERAL NOTES:

- 1. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
- 2. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE. PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSTRUED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT THE DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL BY THE DESIGN PROFESSIONAL OF ANY FUTURE USE. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN APPROVAL OF THE DESIGN PROFESSIONAL IS AT THE SOLE RISK AND LIABILITY OF THE USER. THE DESIGN PROFESSIONAL RESERVES THE RIGHT TO REMOVE OUR PROFESSIONAL SEAL AND/OR TITLE BLOCK.

NOTICE
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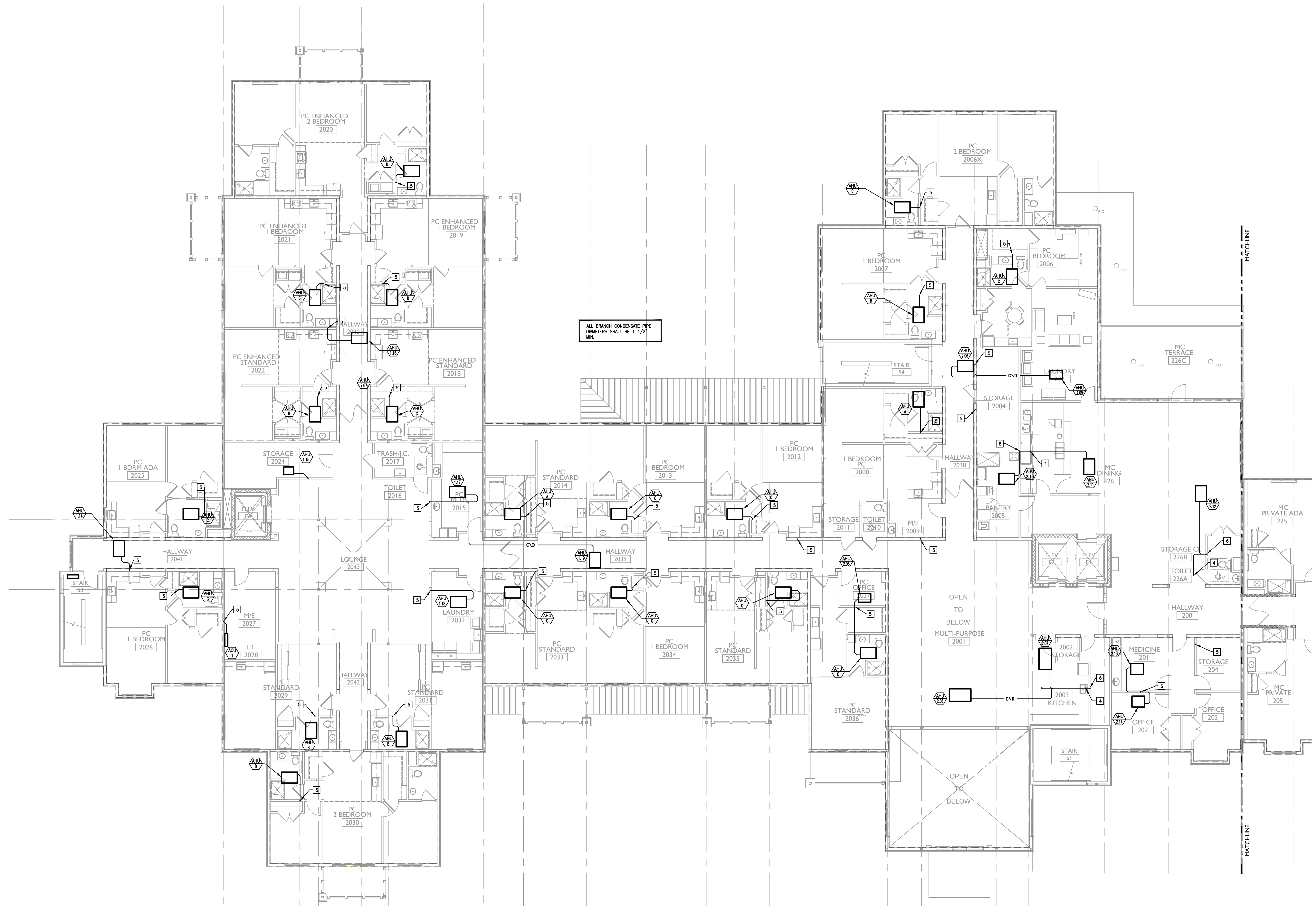
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PARTIAL SECOND FLOOR PLAN-MECHANICAL-CONDENSATE PIPING
 SCALE: 1/8"=1'-0"

MECHANICAL CONSTRUCTION NOTES:

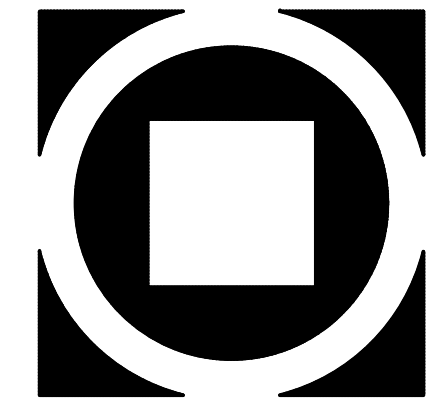
- 1 2" CONDENSATE DOWN AND DISCHARGE TO GRADE.
- 2 CONTRACTOR SHALL CONNECT CONDENSATE PIPE TO LOCAL DOWNSPOUT. THE CONNECTION SHALL OCCUR OUTSIDE OF THE BUILDING ENVELOPE. PROVIDE INDIRECT WASTE CONNECTION.
- 3 PROVIDE CONDENSATE PUMP.
- 4 CONDENSATE UP
- 5 CONDENSATE UP & DOWN
- 6 CONDENSATE DOWN
- 7 CONDENSATE PIPING FOR REFRIGERATOR AND FREEZER BY REFRIGERATOR CONTRACTOR. TO TIE INTO KITCHEN FLOOR DRAIN.

MECHANICAL GENERAL NOTES:


1. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
2. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE. PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT. REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.

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MECHANICAL GENERAL NOTES:

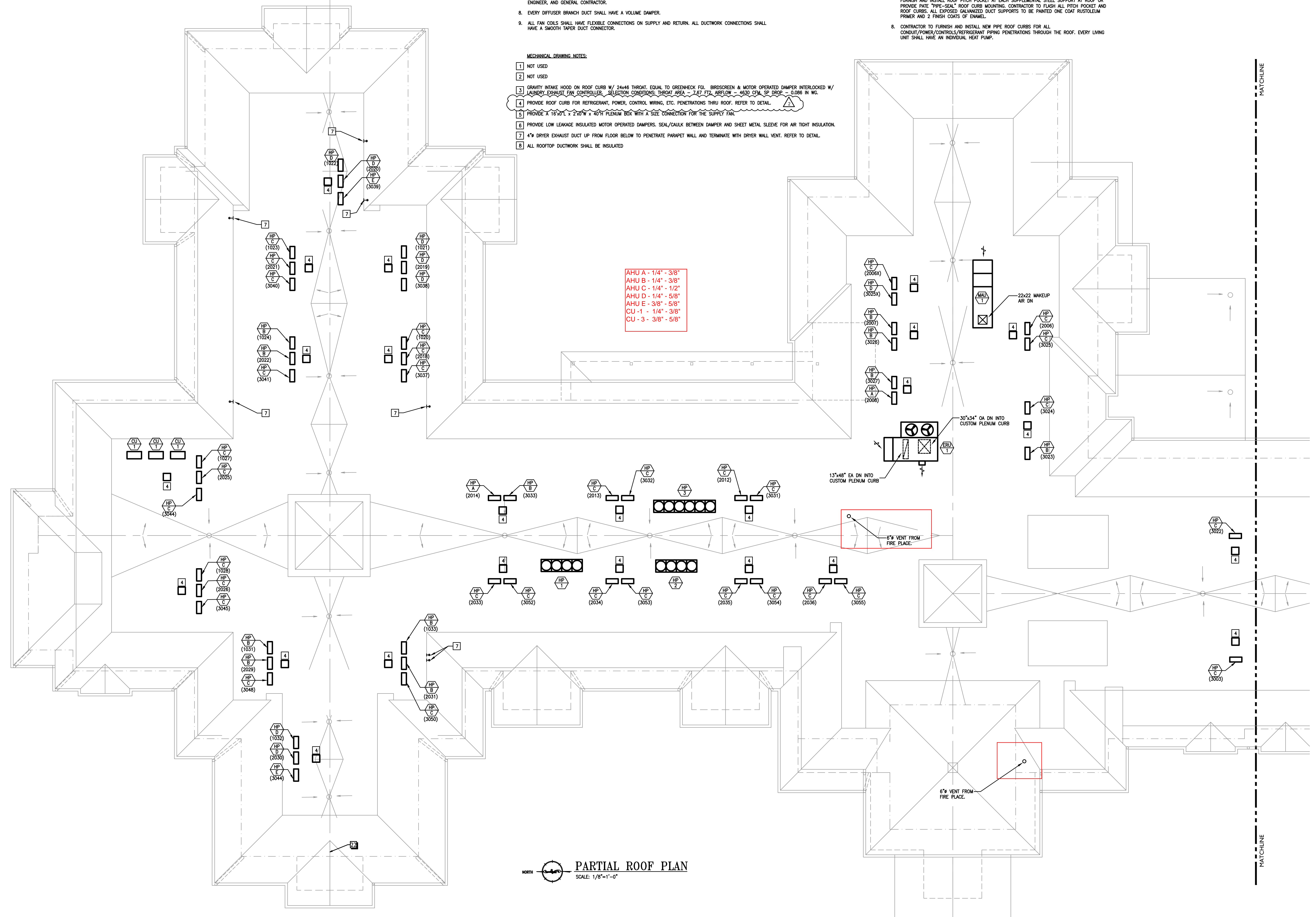
1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
5. ALL ENERGY RECOVERY DUCTWORK SHALL BE METAL FROM ERU TO AIR DEVICES.
6. COORDINATE FINAL THERMOSTAT LOCATIONS WITH ARCHITECT AND OWNER.
7. RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GUAGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK RUN PENETRATIONS WITH THE LIGHT-GUAGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
8. EVERY DIFFUSER BRANCH DUCT SHALL HAVE A VOLUME DAMPER.
9. ALL FAN COILS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTOR.

ROOF DUCT WORK NOTES:

1. ALL DUCTWORK SIZES ARE INSIDE DIMENSIONS UNLESS NOTED OTHERWISE.
2. ALL EXTERIOR DUCTWORK TO BE 4" WATERGAUGE DUCT CONSTRUCTION WITH 2" RIGID INSULATION AND WEATHERPROOF COVERING IN ADDITION TO 1" LINING. SEE SPEC.
3. ALL BOTTOM OF DUCTWORK TO BE MINIMUM 2'-0" ABOVE FINISHED ROOF.
4. ALL TOPS OF EXTERIOR DUCTWORK TO SLOPE SO NOT TO ALLOW WATER ACCUMULATION.
5. CONTRACTOR TO FURNISH AND INSTALL ROOF MOUNTED DUCT CURBS TO SUPPORT EXTERIOR DUCTWORK AT ALL CHANGES OF DIRECTION AND AT A MAXIMUM OF 8'-0" O.C. PATE OR EQUAL.
6. CONTRACTOR SHALL PAINT ALL EXPOSED DUCT SUPPORTS ONE COAT RUSTOLEUM PRIMER AND 2 FINISH COATS OF ENAMEL.
7. CONTRACTOR IS TO FURNISH AND INSTALL SUPPLEMENTAL GALVANIZED STEEL ANGLE DUCT SUPPORTS TO SUPPORT HIGH DUCTWORK. CONTRACTOR TO SECURE DUCTWORK TO SUPPORTS. CONTRACTOR TO FURNISH AND INSTALL ROOF PITCH POCKET AT EACH SUPPLEMENTAL STEEL SUPPORT AT ROOF OR PROVIDE PATE "PIPE-SEAL" ROOF CURB MOUNTING. CONTRACTOR TO FLASH ALL PITCH POCKET AND ROOF CURBS. ALL EXPOSED GALVANIZED DUCT SUPPORTS TO BE PAINTED ONE COAT RUSTOLEUM PRIMER AND 2 FINISH COATS OF ENAMEL.
8. CONTRACTOR TO FURNISH AND INSTALL NEW PIPE ROOF CURBS FOR ALL CONDUIT/POWER/CONTROLS/REFRIGERANT PIPING PENETRATIONS THROUGH THE ROOF. EVERY LIVING UNIT SHALL HAVE AN INDIVIDUAL HEAT PUMP.

MECHANICAL DRAWING NOTES:

- 1 NOT USED
- 2 NOT USED
- 3 GRAVITY INTAKE HOOD ON ROOF CURB W/ 24x46 THROAT, EQUAL TO GREENHECK FGL BIRDSCREEN & MOTOR OPERATED DAMPER INTERLOCKED W/ LAUNDRY EXHAUST FAN CONTROLLER. SELECTION CONDITIONS: THROAT AREA ~ 7.87 FT², AIRFLOW ~ 4830 CFM, SP DROP ~ 0.086 IN WG.
- 4 PROVIDE ROOF CURB FOR REFRIGERANT, POWER, CONTROL WIRING, ETC. PENETRATIONS THRU ROOF. REFER TO DETAIL.
- 5 PROVIDE A 16"x0.1" x 2"x0.1" x 40" PLENUM BOX WITH A SIZE CONNECTION FOR THE SUPPLY FAN.
- 6 PROVIDE LOW LEAKAGE INSULATED MOTOR OPERATED DAMPERS. SEAL/CAULK BETWEEN DAMPER AND SHEET METAL SLEEVE FOR AIR TIGHT INSULATION.
- 7 4" DRYER EXHAUST DUCT UP FROM FLOOR BELOW TO PENETRATE PARAPET WALL AND TERMINATE WITH DRYER WALL VENT. REFER TO DETAIL.
- 8 ALL ROOFTOP DUCTWORK SHALL BE INSULATED.



PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"

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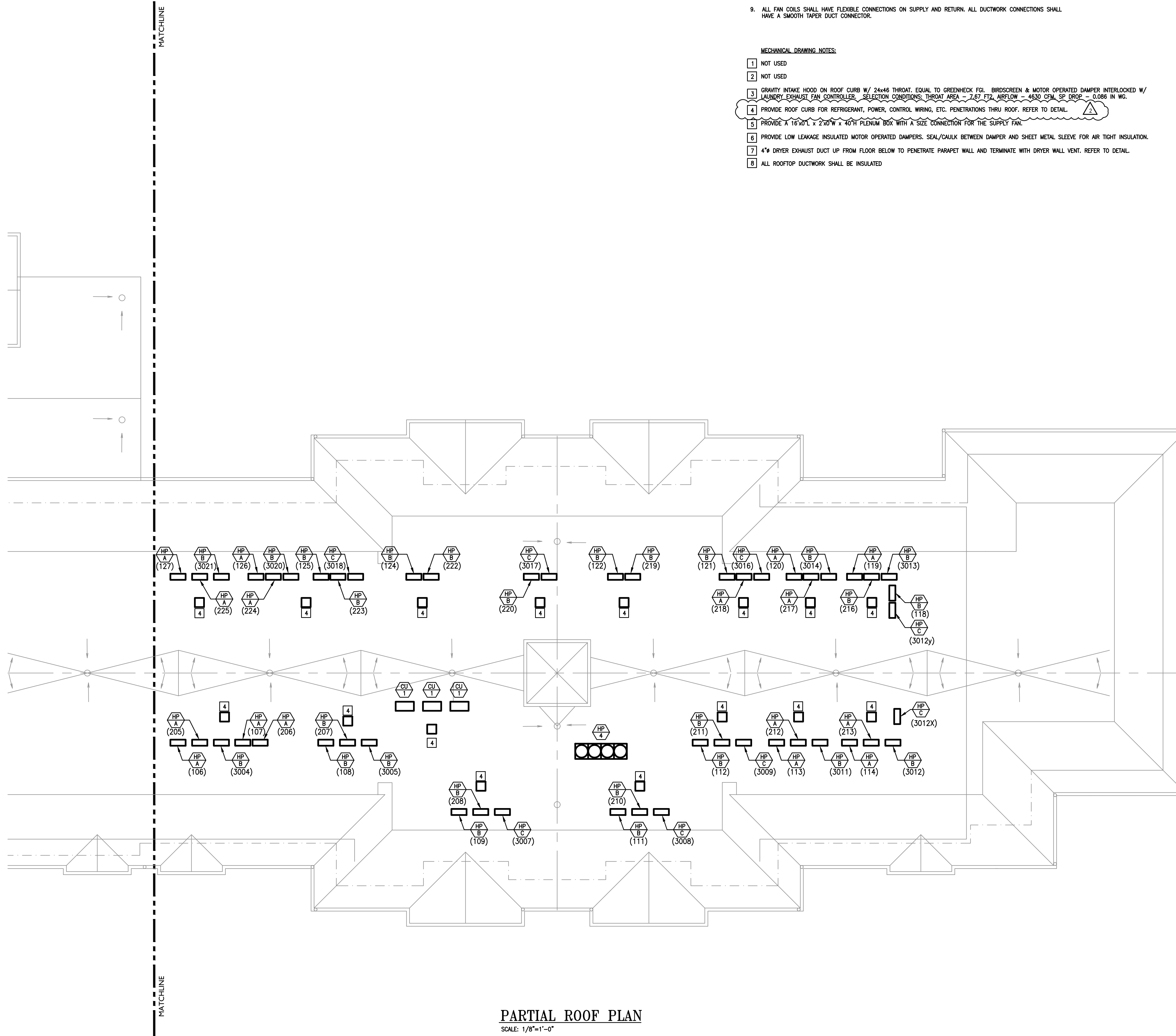
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FE ISSUE-10.6.22



PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"

- MECHANICAL GENERAL NOTES:**
1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
 2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 50 FT. CENTERS.
 4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE. PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
 5. ALL ENERGY RECOVERY DUCTWORK SHALL BE METAL FROM ERU TO AIR DEVICES.
 6. COORDINATE FINAL THERMOSTAT LOCATIONS WITH ARCHITECT AND OWNER.
 7. RECTANGULAR WEB OPENINGS SHALL BE PROVIDED IN THE LIGHT-GAUGE METAL TRUSS SYSTEM AS REQUIRED FOR MECHANICAL DUCTWORK RUNS. WEB OPENINGS IN ADJACENT TRUSSES SHALL BE ALIGNED IN ORDER TO PASS THROUGH THE TRUSSES IN A STRAIGHT LINE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED DUCTWORK RUN PENETRATIONS WITH THE LIGHT-GAUGE METAL TRUSS MANUFACTURER, MECHANICAL ENGINEER, AND GENERAL CONTRACTOR.
 8. EVERY DIFFUSER BRANCH DUCT SHALL HAVE A VOLUME DAMPER.
 9. ALL FAN COILS SHALL HAVE FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN. ALL DUCTWORK CONNECTIONS SHALL HAVE A SMOOTH TAPER DUCT CONNECTOR.

- MECHANICAL DRAWING NOTES:**
- 1 NOT USED
 - 2 NOT USED
 - 3 GRAVITY INTAKE HOOD ON ROOF CURB W/ 24"X48 THROAT, EQUAL TO GREENHECK FOL. BIRDSCREEN & MOTOR OPERATED DAMPER INTERLOCKED W/ LAUNDRY EXHAUST FAN CONTROLLER. SELECTION CONDITIONS: THROAT AREA - 7.67 FT², AIRFLOW - 4530 CFM, SP DROP - 0.086 IN WG.
 - 4 PROVIDE ROOF CURB FOR REFRIGERANT, POWER, CONTROL WIRING, ETC. PENETRATIONS THRU ROOF. REFER TO DETAIL.
 - 5 PROVIDE A 16"X16" X 2"X4" PLENUM BOX WITH A SIZE CONNECTION FOR THE SUPPLY FAN.
 - 6 PROVIDE LOW LEAKAGE INSULATED MOTOR OPERATED DAMPERS. SEAL/CAULK BETWEEN DAMPER AND SHEET METAL SLEEVE FOR AIR TIGHT INSULATION.
 - 7 4" DRYER EXHAUST DUCT UP FROM FLOOR BELOW TO PENETRATE PARAPET WALL AND TERMINATE WITH DRYER WALL VENT. REFER TO DETAIL.
 - 8 ALL ROOFTOP DUCTWORK SHALL BE INSULATED.

- ROOF DUCT WORK NOTES:**
1. ALL DUCTWORK SIZES ARE INSIDE DIMENSIONS UNLESS NOTED OTHERWISE.
 2. ALL EXTERIOR DUCTWORK TO BE 4" WATERGAUGE DUCT CONSTRUCTION WITH 2" RIGID INSULATION AND WEATHERPROOF COVERING IN ADDITION TO 1" LINING. SEE SPEC.
 3. ALL BOTTOM OF DUCTWORK TO BE MINIMUM 2'-0" ABOVE FINISHED ROOF.
 4. ALL TOPS OF EXTERIOR DUCTWORK TO SLOPE SO NOT TO ALLOW WATER ACCUMULATION.
 5. CONTRACTOR TO FURNISH AND INSTALL ROOF MOUNTED DUCT CURBS TO SUPPORT EXTERIOR DUCTWORK AT ALL CHANGES OF DIRECTION AND AT A MAXIMUM OF 8'-0" O.C. PATE OR EQUAL.
 6. CONTRACTOR SHALL PAINT ALL EXPOSED DUCT SUPPORTS ONE COAT RUSTOLEUM PRIMER AND 2 FINISH COATS OF ENAMEL.
 7. CONTRACTOR IS TO FURNISH AND INSTALL SUPPLEMENTAL GALVANIZED STEEL ANGLE DUCT SUPPORTS TO SUPPORT HIGH DUCTWORK. CONTRACTOR TO SECURE DUCTWORK TO SUPPORTS. CONTRACTOR TO FURNISH AND INSTALL ROOF PITCH POCKET AT EACH SUPPLEMENTAL STEEL SUPPORT AT ROOF OR PROVIDE PAINT "TYPE-SEAL" ROOF CURB MOUNTING. CONTRACTOR TO FLASH ALL PITCH POCKET AND ROOF CURBS. ALL EXPOSED GALVANIZED DUCT SUPPORTS TO BE PAINTED ONE COAT RUSTOLEUM PRIMER AND 2 FINISH COATS OF ENAMEL.
 8. CONTRACTOR TO FURNISH AND INSTALL NEW PIPE ROOF CURBS FOR ALL CONDUIT/POWER/CONTROLS/REFRIGERANT PIPING PENETRATIONS THROUGH THE ROOF. EVERY LIVING UNIT SHALL HAVE AN INDIVIDUAL HEAT PUMP.

Construction Issue Date:	
Drawn By:	STK/G/KG
Checked By:	MW
Scale:	AS NOTED

Sheet Name:	ROOF PLAN										
Progress Prints:	05.06.2022 PERMIT/BID SET										
Revisions:	<table border="1"> <tr><td>1</td><td>ADD 1 CONSTRUCTION SET 07.1.22</td></tr> <tr><td>2</td><td>REV ISSUE 08.22</td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	1	ADD 1 CONSTRUCTION SET 07.1.22	2	REV ISSUE 08.22	3		4		5	
1	ADD 1 CONSTRUCTION SET 07.1.22										
2	REV ISSUE 08.22										
3											
4											
5											

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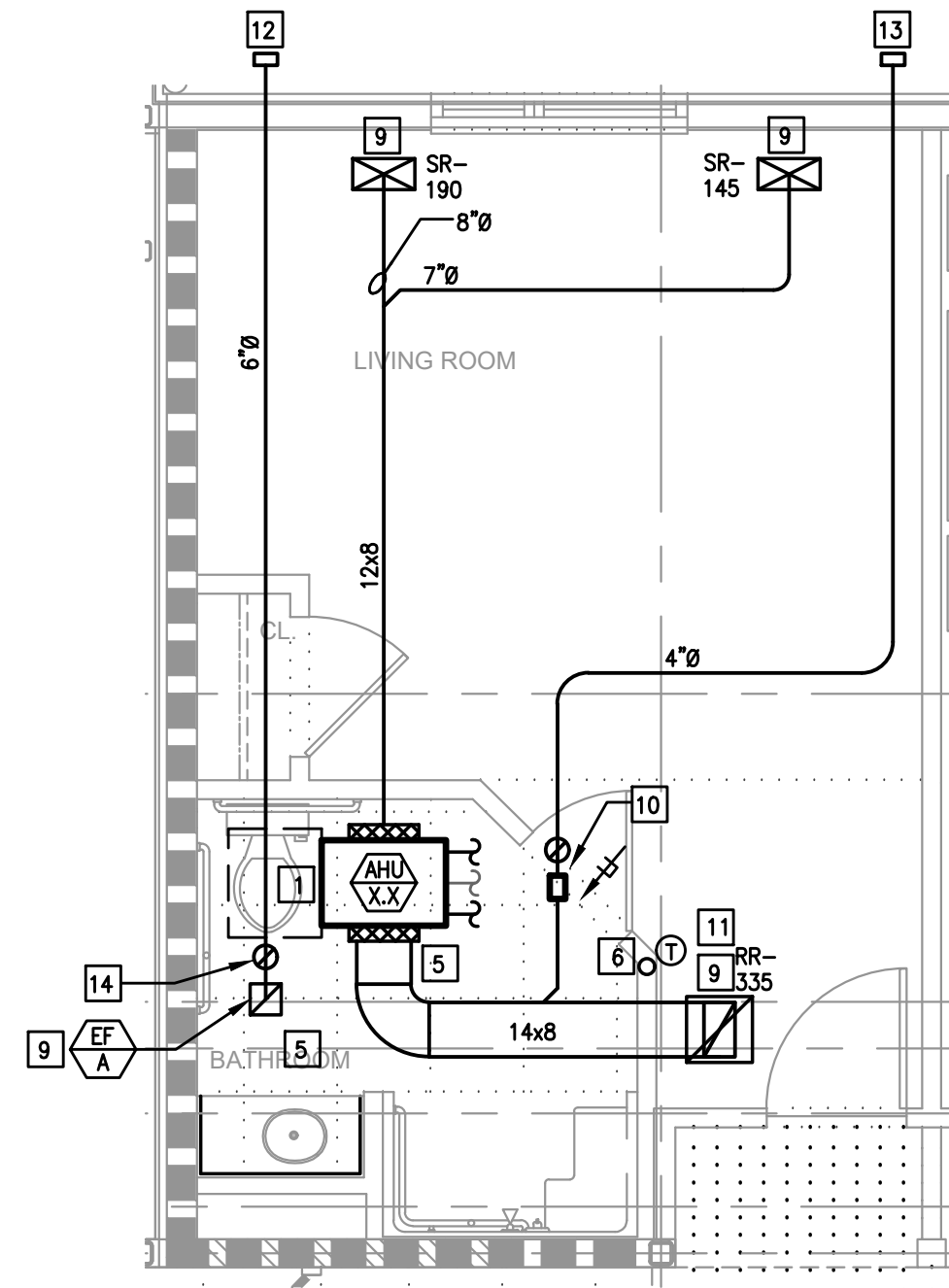
NOTICE
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MECHANICAL NOTES:

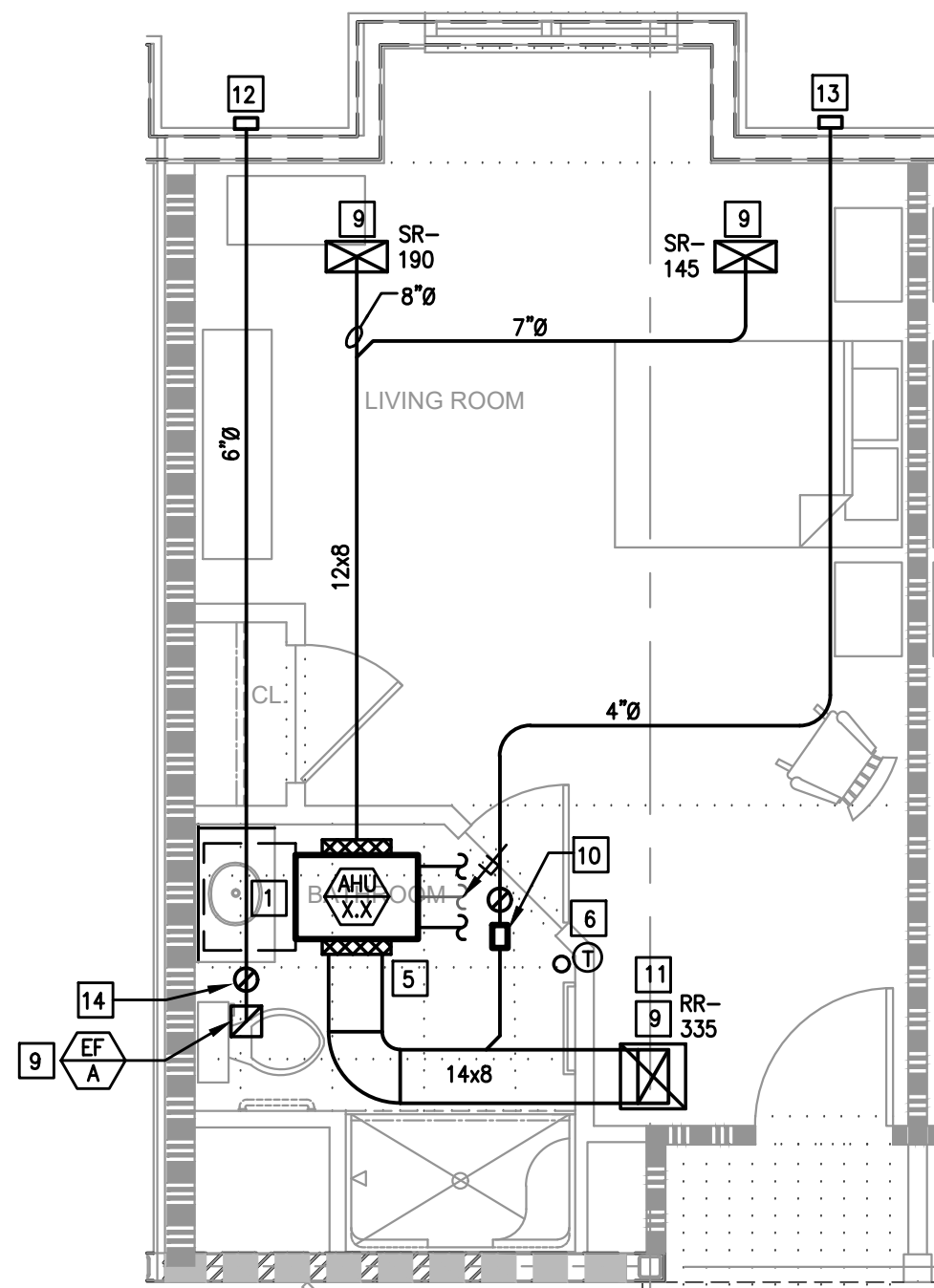
1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DEFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25 FT. CENTERS.
4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
5. ALL ENERGY RECOVERY DUCTWORK SHALL BE RIGID, NO FLEXIBLE AIR DUCT IS PERMITTED.
6. ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
7. SHARP THROAT, RADIUS HEEB 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

CONSTRUCTION NOTES:

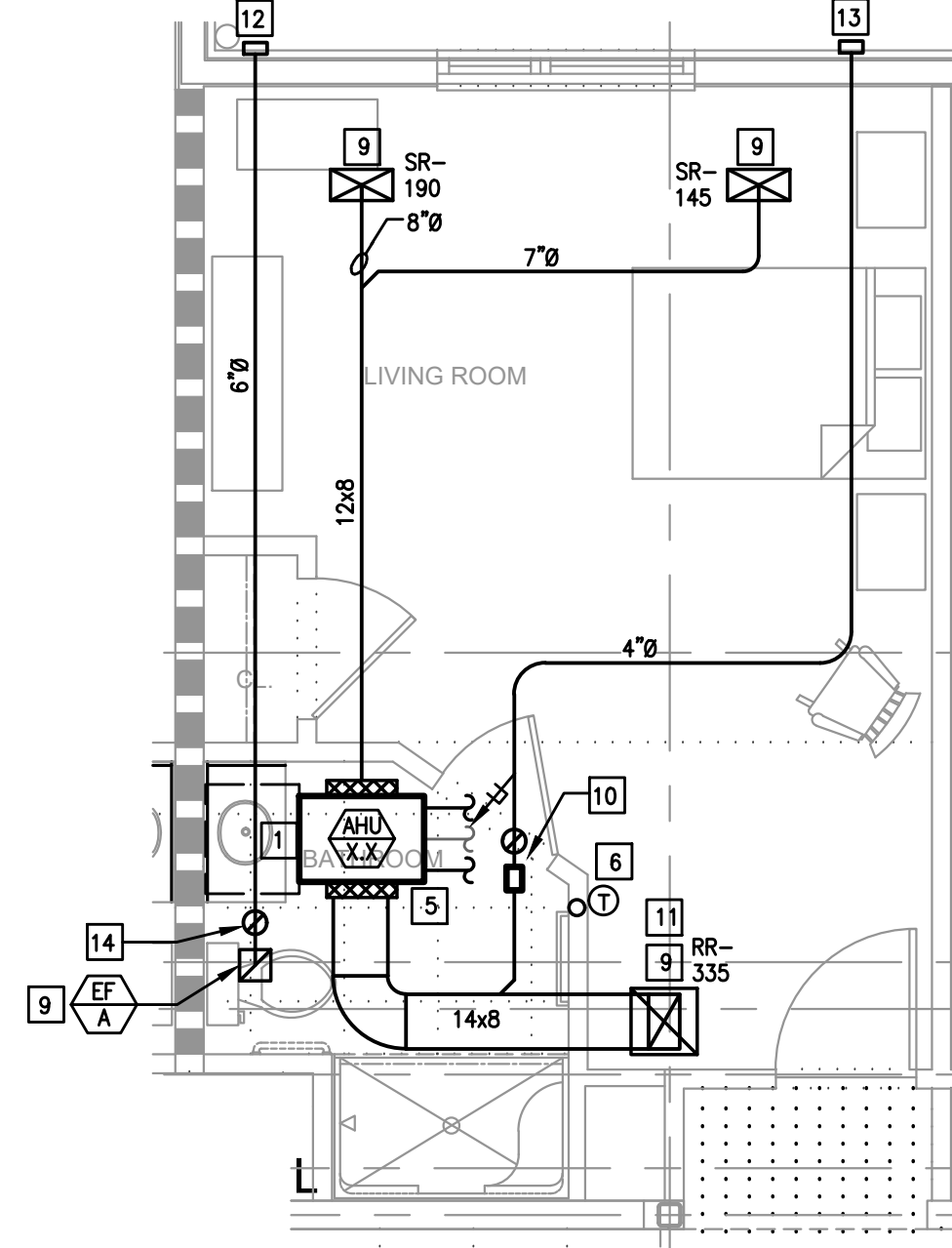
1. CONTRACTOR SHALL PROVIDE 24" CLEARANCE AS NOTED, NO PIPING OR DUCTWORK ALLOWED IN ACCESS SPACE.
2. 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL, NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
3. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT, SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION), PER DETAIL, PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
4. KITCHEN HOOD SHALL BE AN APPROVED RECIRCULATING HOOD PROVIDED BY GENERAL CONTRACTOR.
5. REFER TO BUILDING FLOOR PLANS FOR CONTINUATION.
6. CONDENSATE PIPING DOWN IN WALL FOR SECOND AND THIRD FLOOR LIVING UNITS, CONDENSATE TO BE DIRECTLY INTO CONDENSATE PIPING SYSTEM FOR FIRST FLOOR LIVING UNITS, REFER TO THE CONDENSATE PIPING PLANS (M1.08-M1.13) FOR PIPING LOCATIONS.
7. G.C. TO PROVIDE A LOUVERED DOOR, REFER TO THE ARCHITECTURAL PLANS, FREE AREA OF DOOR TO EQUAL DRYER MANUFACTURER'S REQUIREMENTS.
8. PROVIDE DUCTED, HIGH-LOW, 12x6 TRANSFER GRILLES EQUAL TO TITUS 350FL.
9. PROVIDE RADWANT DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
10. CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR A4B) IN BATHROOM CEILING SPACE.
11. RETURN FILTER GRILL WITH HINGE TABS, REFER TO AIR DEVICE SCHEDULE FOR SIZES.
12. VENT BATHROOM EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT, SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION).
13. OUTSIDE AIR INTAKE, 4" FOR 1 BEDROOM UNIT, 5" FOR 2 BEDROOM UNIT, SIDEWALL VENT KIT TO EQUAL X-VENT, WITH GRAVITY DAMPER (SINGLE).
14. DUCT UP, TO RUN IN TRUSSES.
15. VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
16. OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.



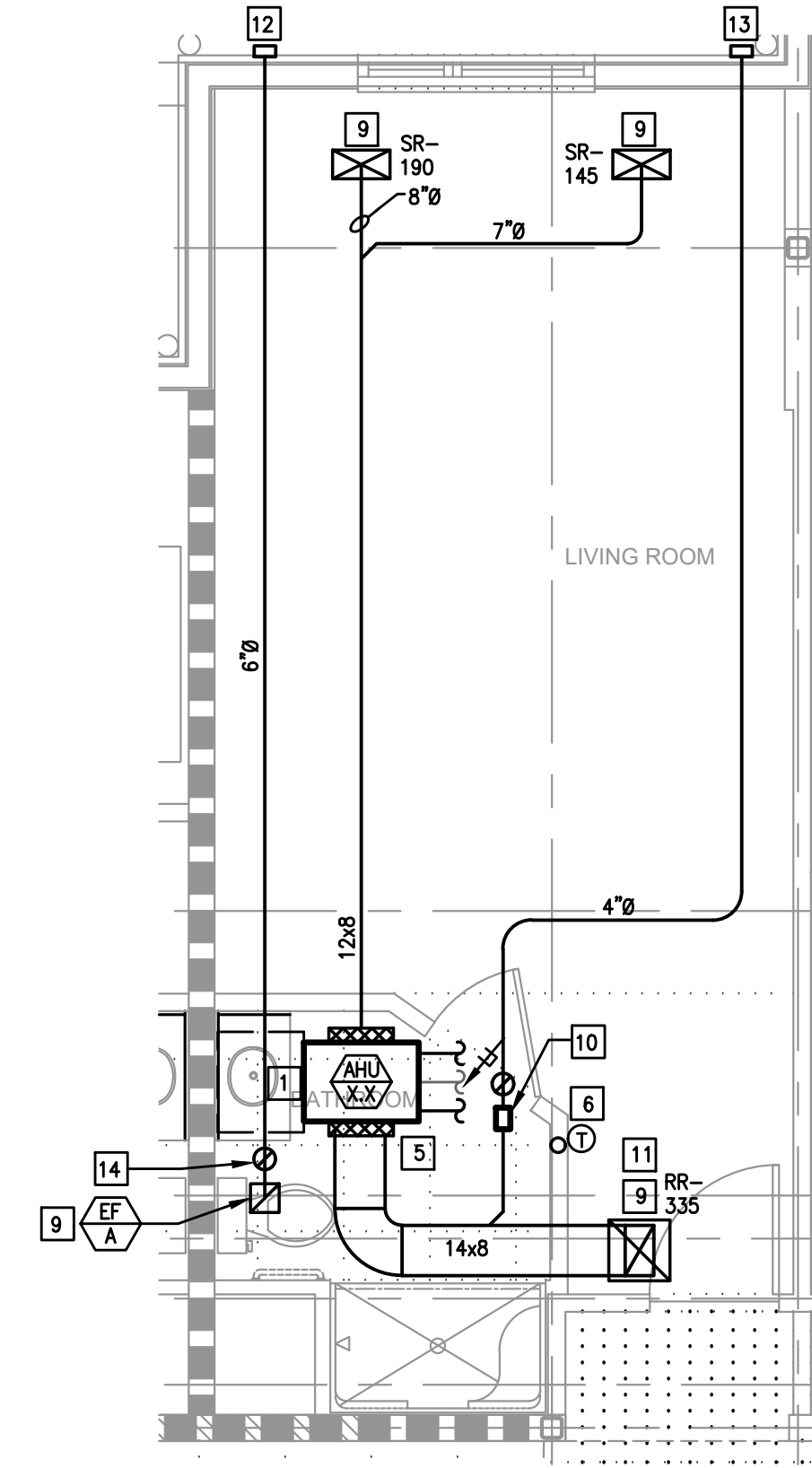
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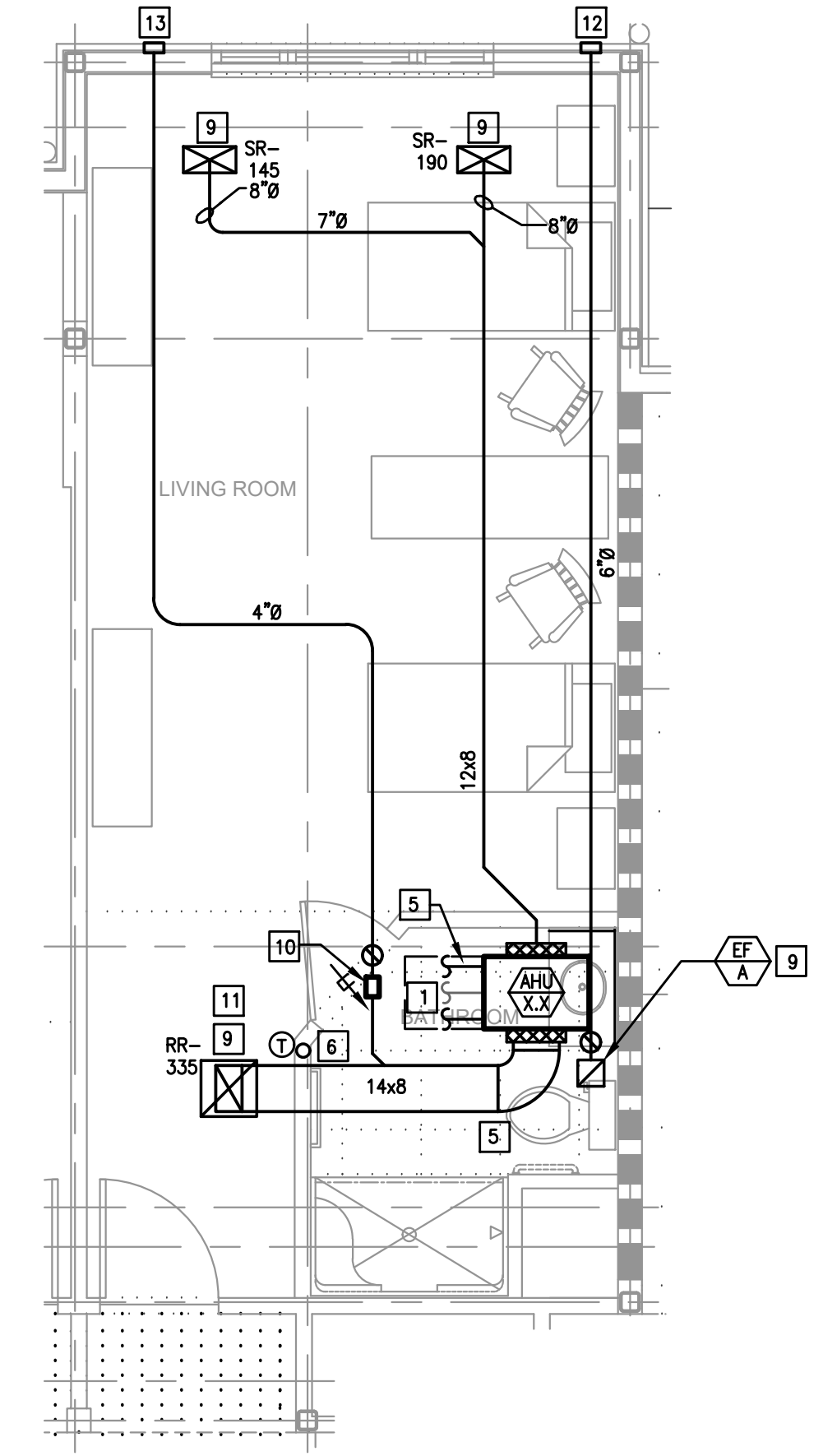
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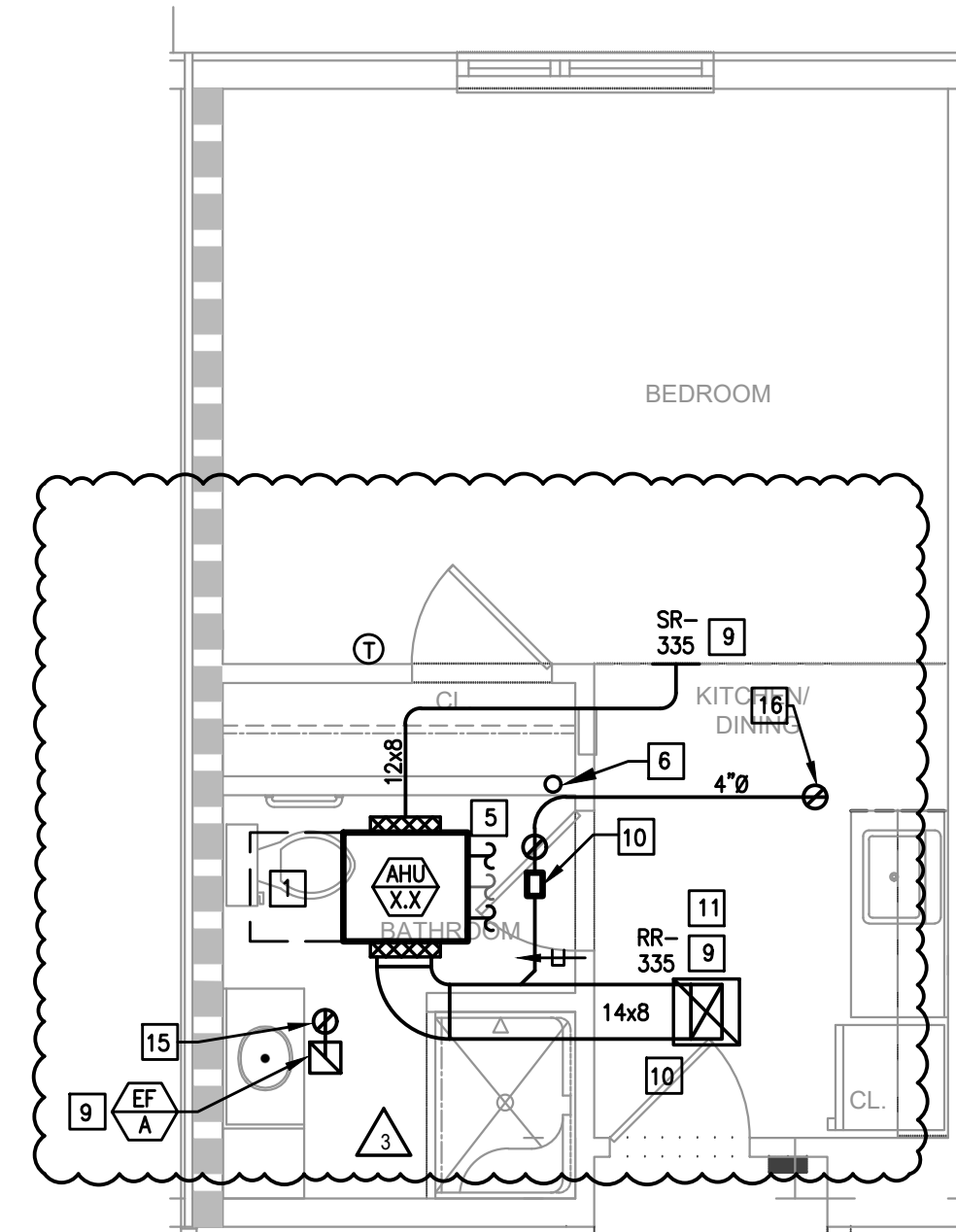
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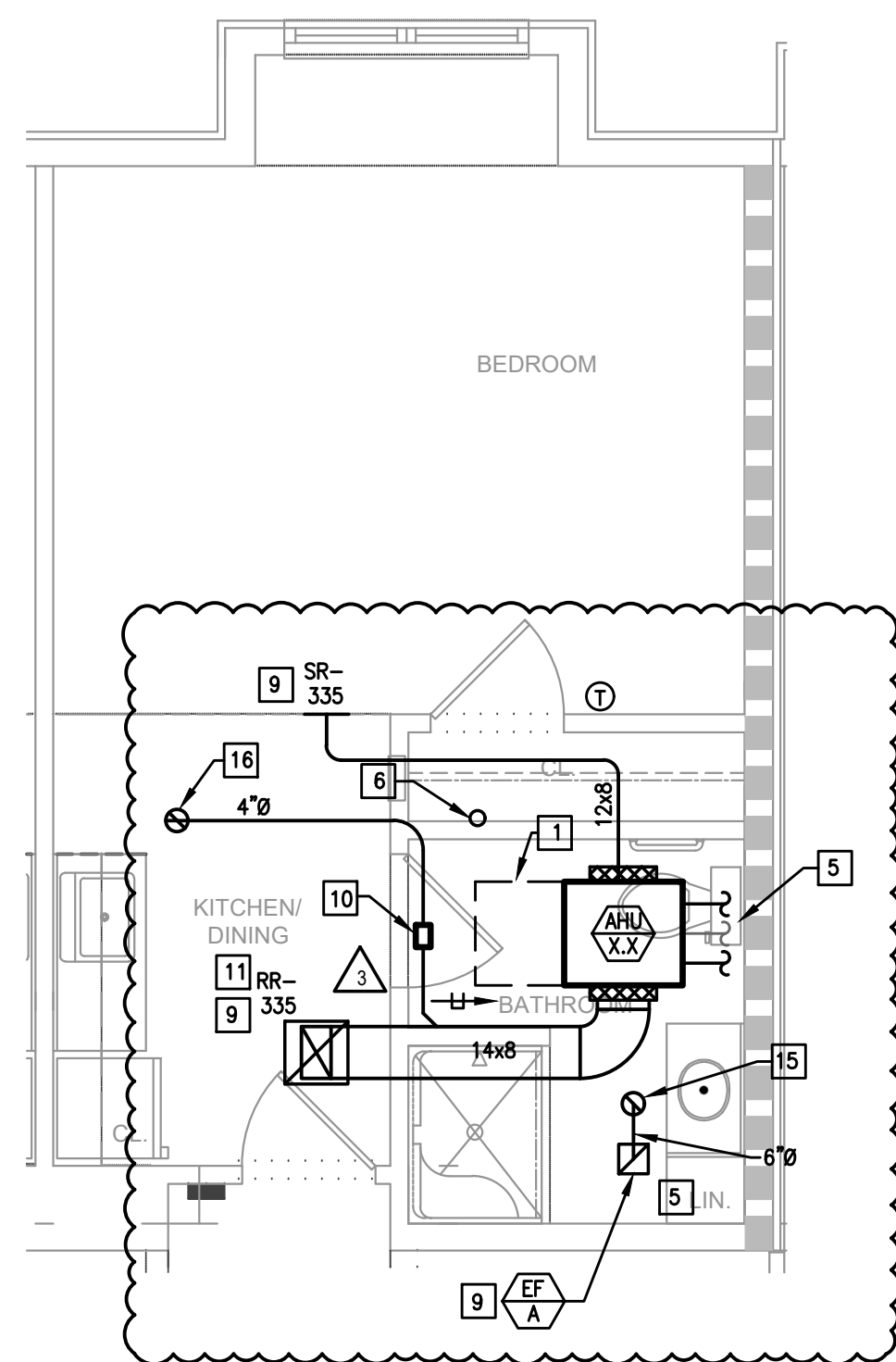
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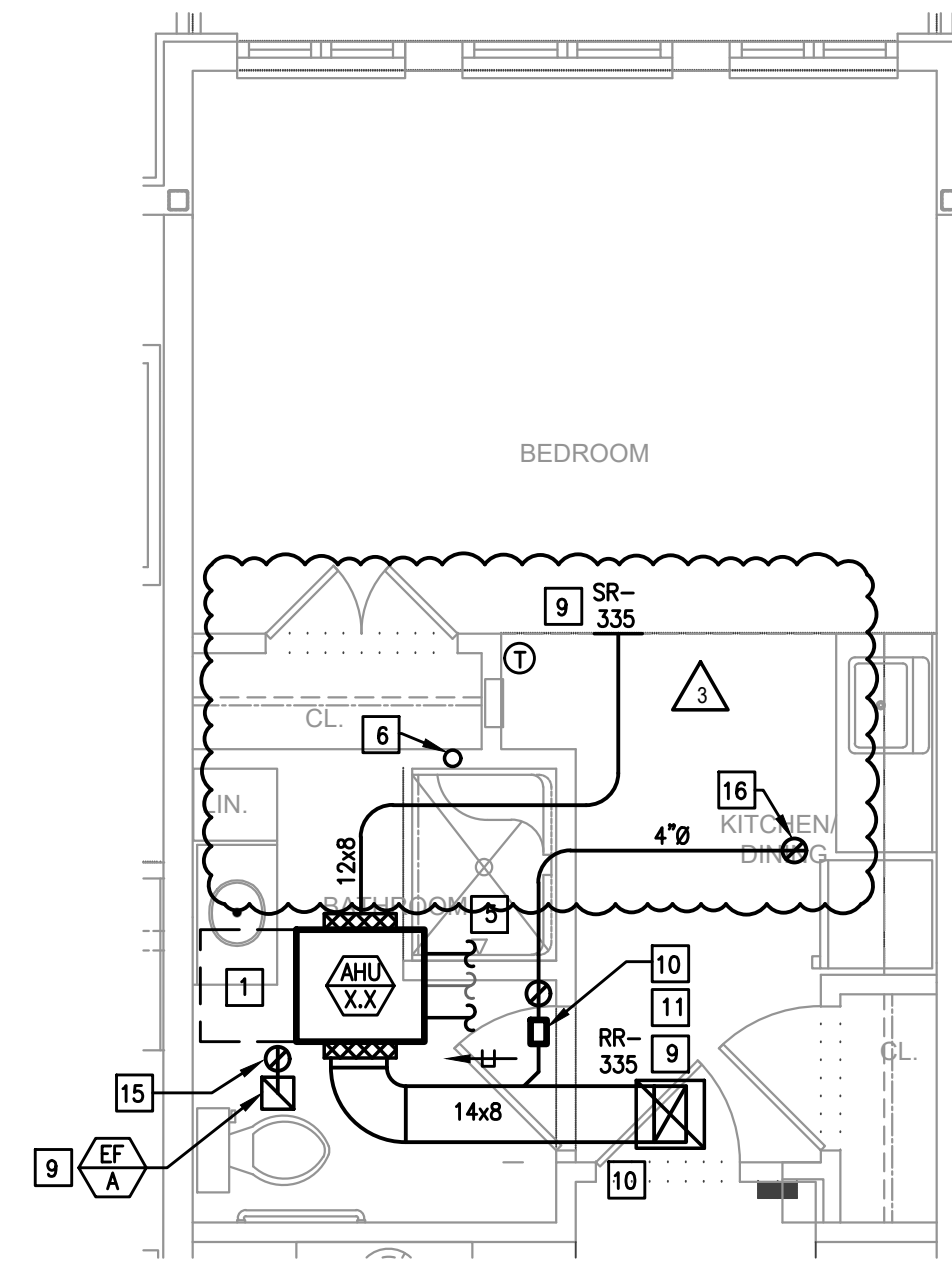
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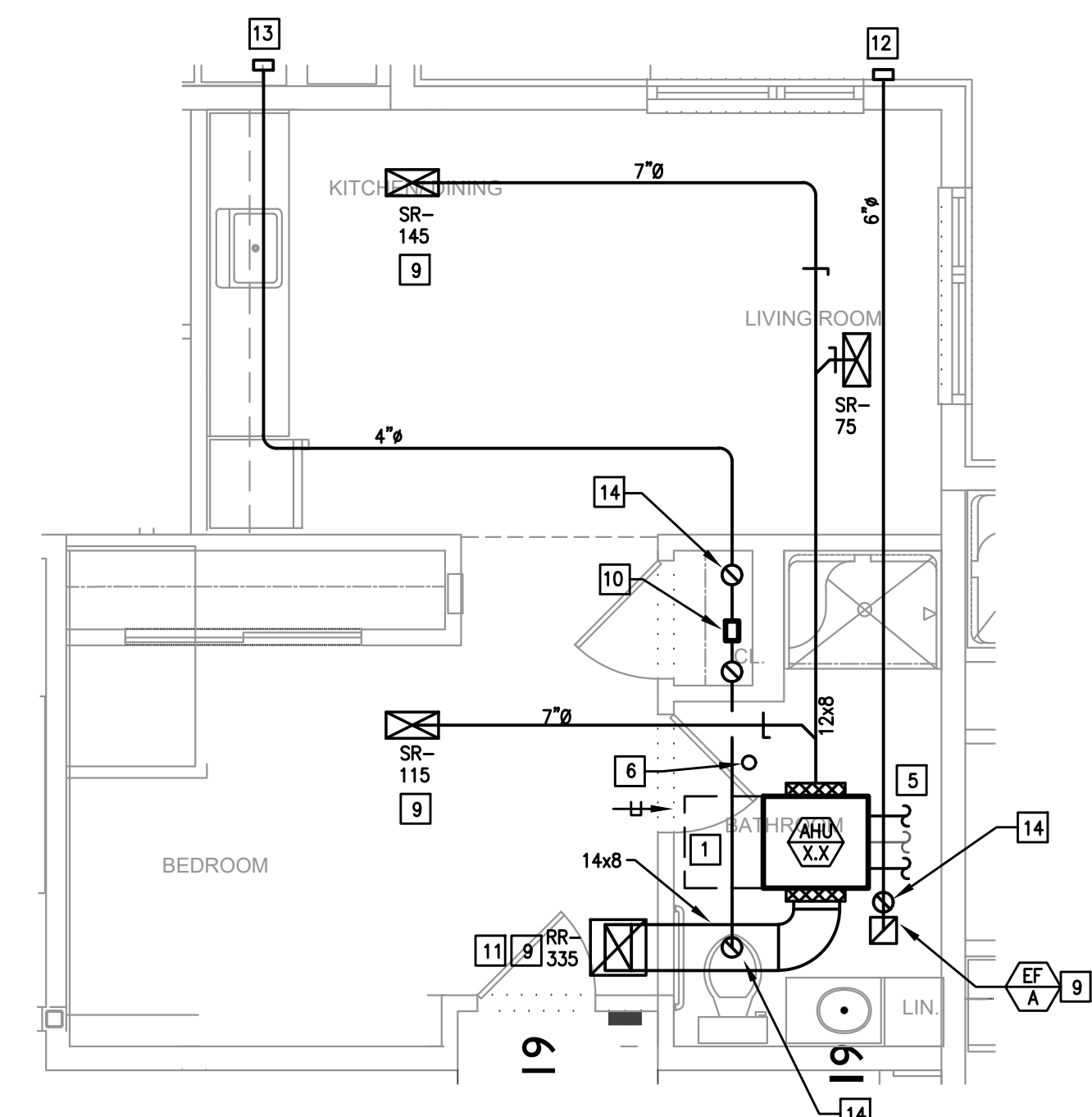
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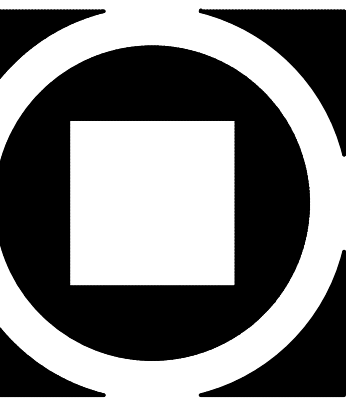


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SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.

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Facsimile: 610.834.7815
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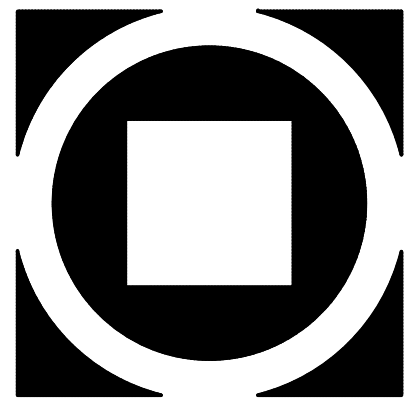


FIELD STONE @ CHESTER SPRINGS
ASSISTED LIVING FACILITY
145 BYERS RD
CHESTER SPRINGS, PA 19475

Construction Issue Date:
Drawn By: STK/GKG
Checked By: MW
Scale: AS NOTED

Sheet Name:	TYPICAL UNITS
Progress Prints:	Revisions:
05.06.2022 PERMIT/BID SET	▲
09.01.2022 CONSTRUCTION SET 07.1.22	▲
10.11.2022 ISSUE 08.22	▲
11.15.2022 BULLETIN #2-6.23	▲

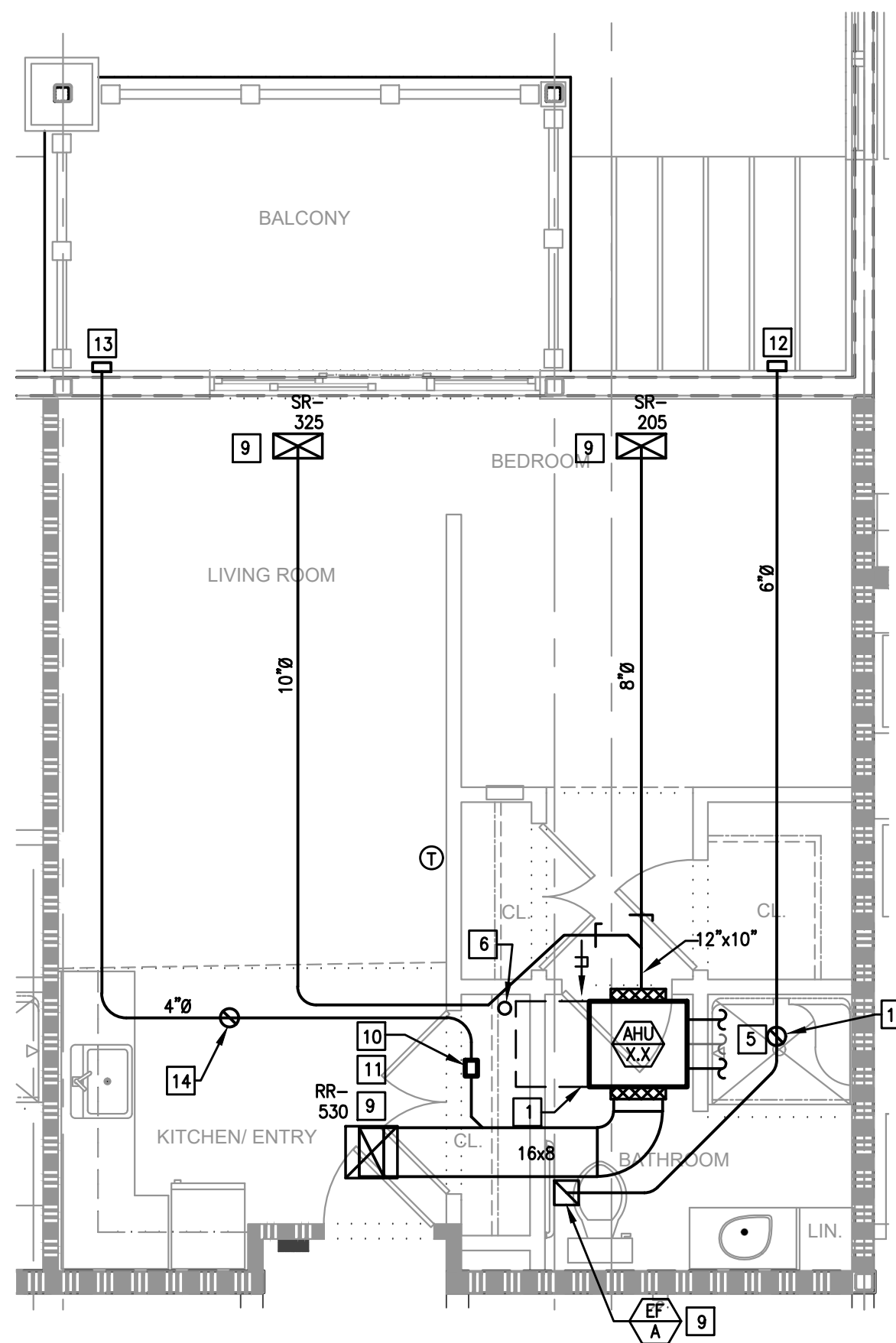
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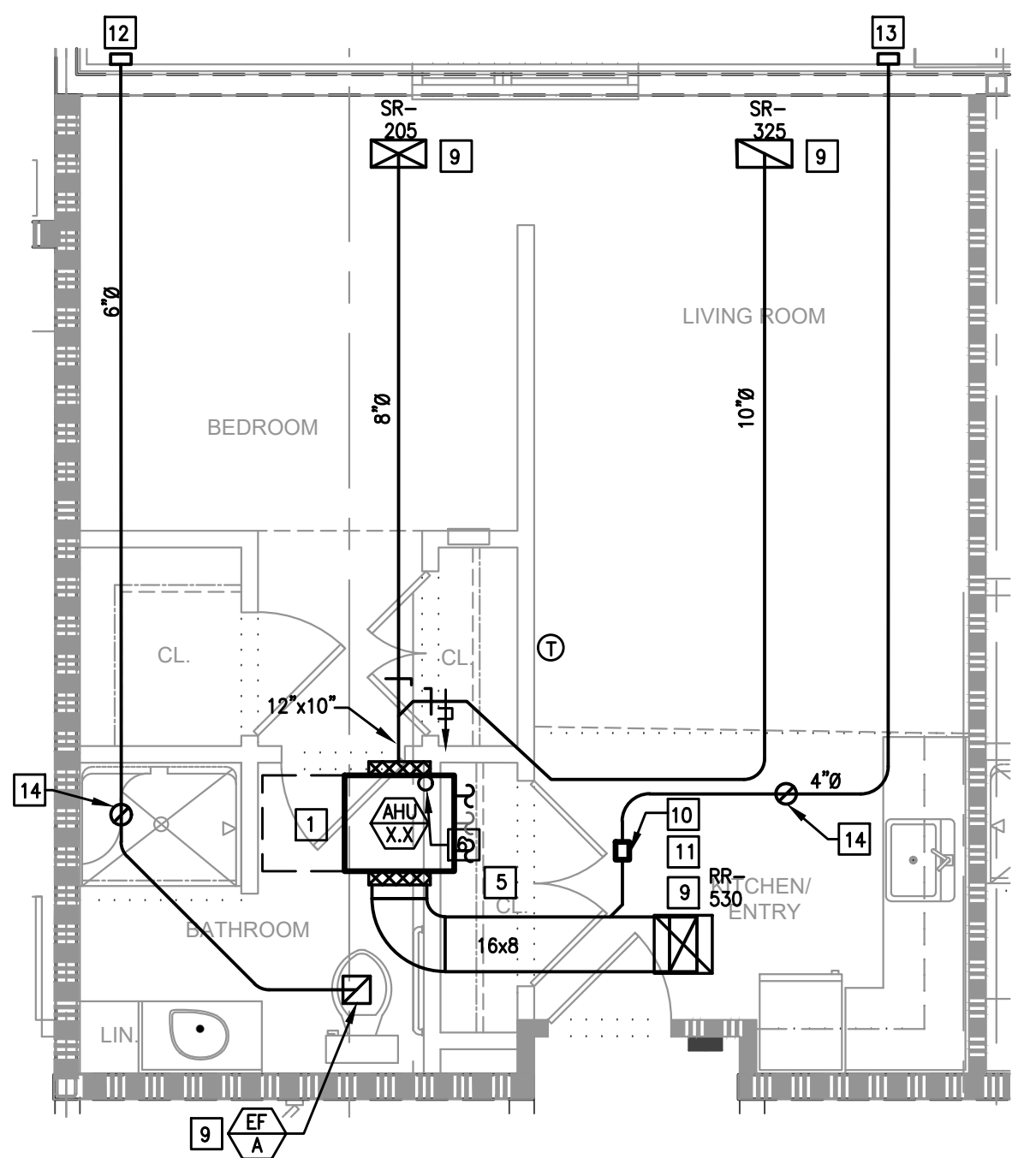
REVISED
 12:52 pm, Dec 04, 2023

- MECHANICAL NOTES:**
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 7. SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

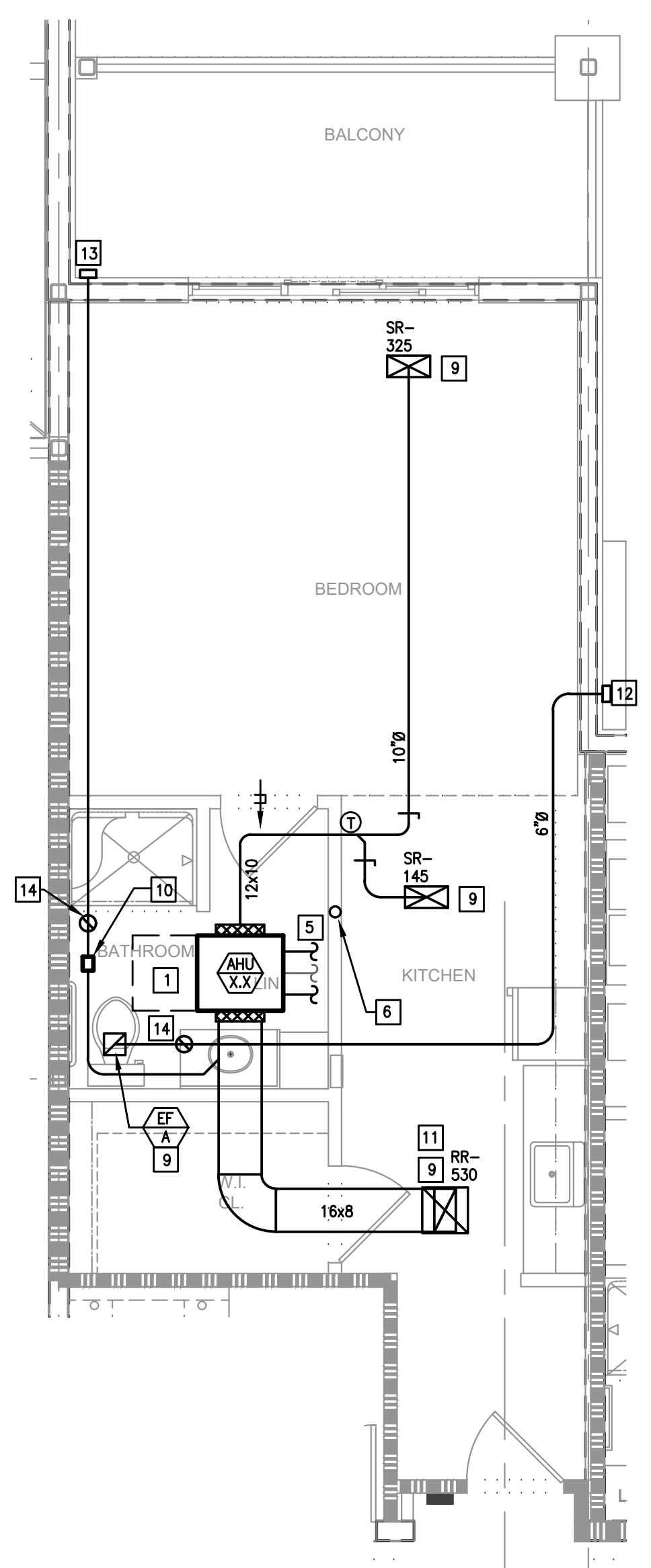
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 3. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL, PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
 4. KITCHEN HOOD SHALL BE AN APPROVED REDIRCULATING HOOD PROVIDED BY GENERAL CONTRACTOR.
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 13. OUTSIDE AIR INTAKE: 4" FOR 1 BEDROOM UNIT, 5" FOR 2 BEDROOM UNIT. SIDEWALL VENT KIT TO EQUAL X-VENT, WITH GRAVITY DAMPER (SINGLE).
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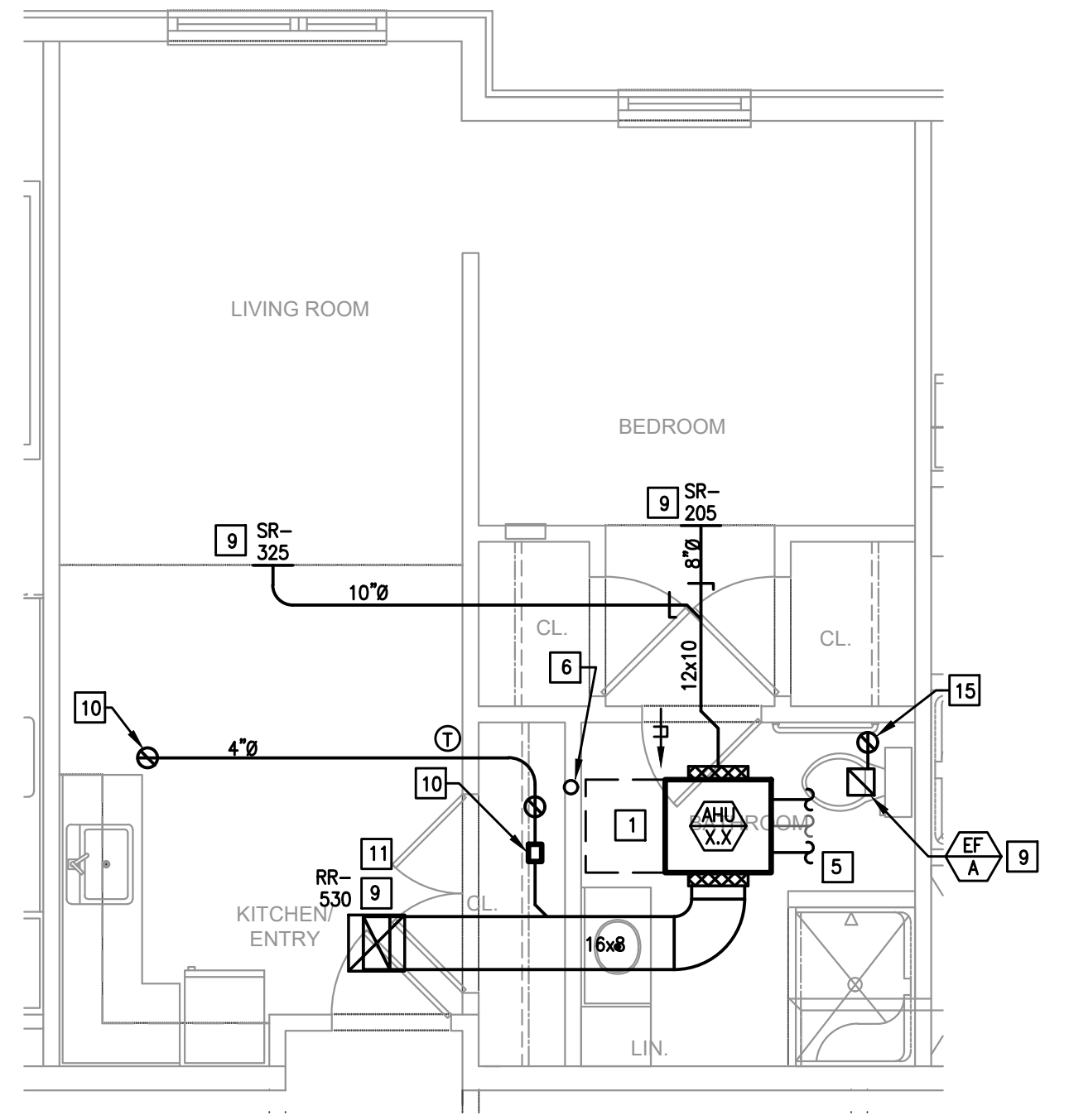
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 NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



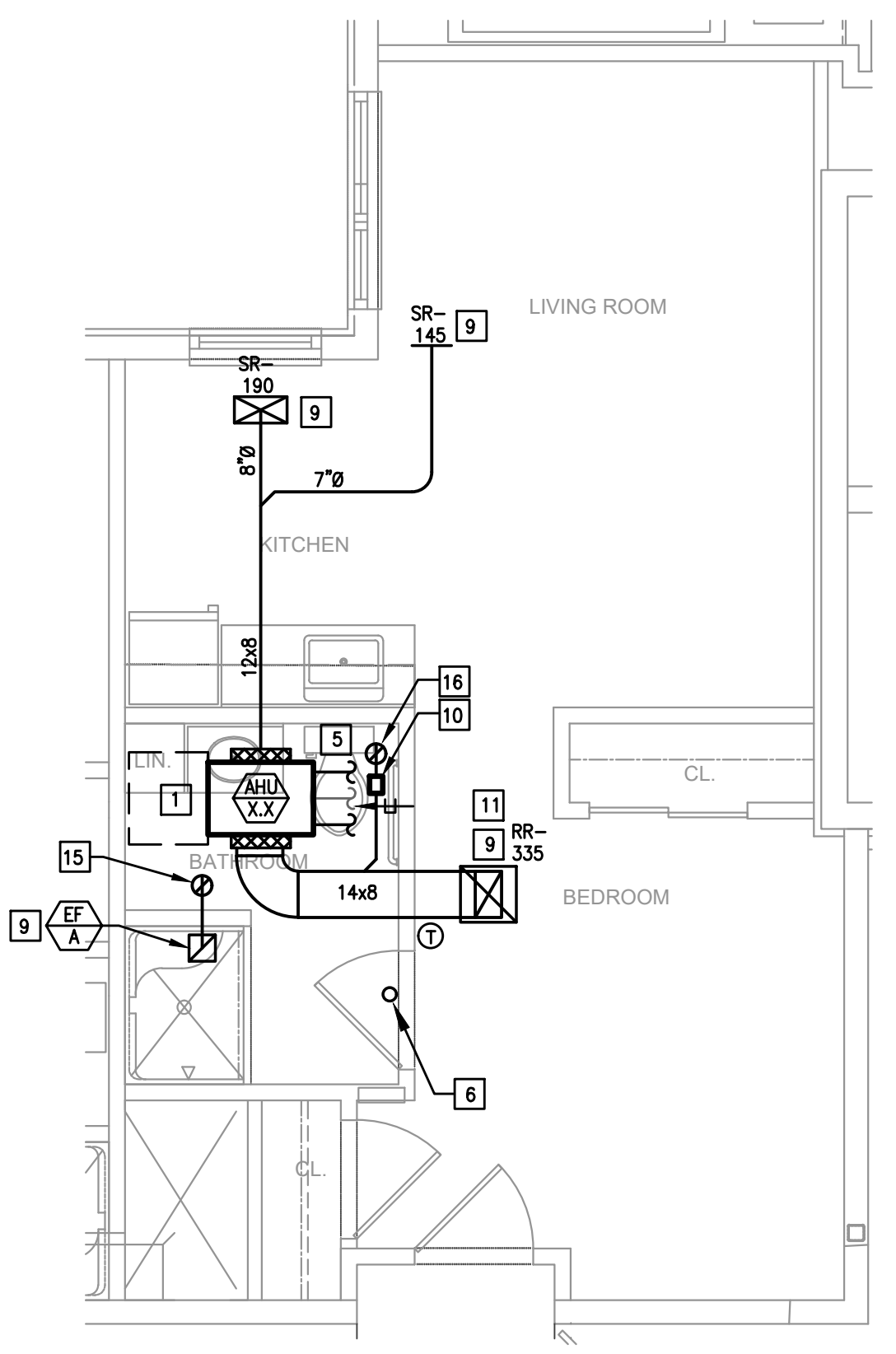
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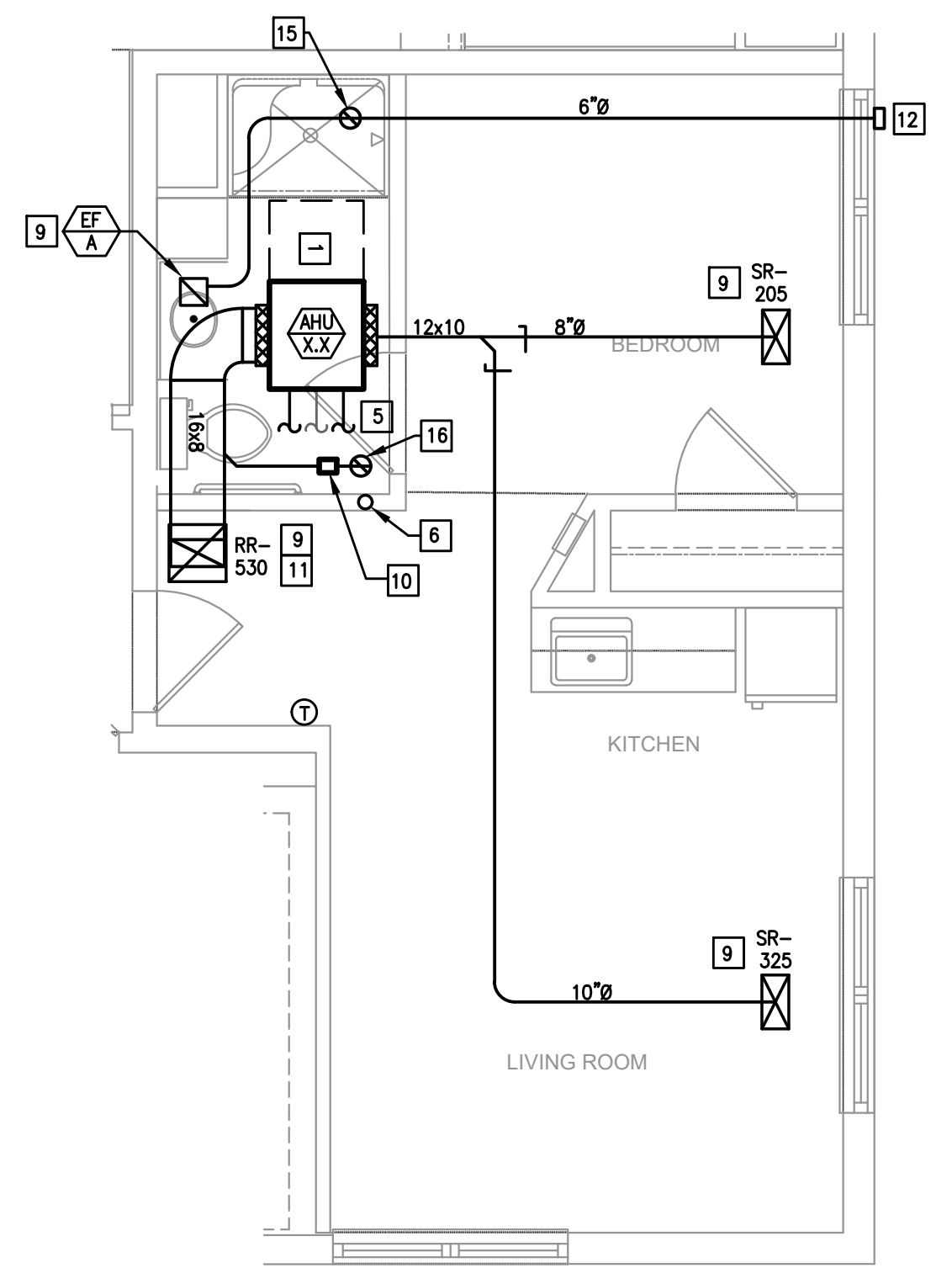
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 NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



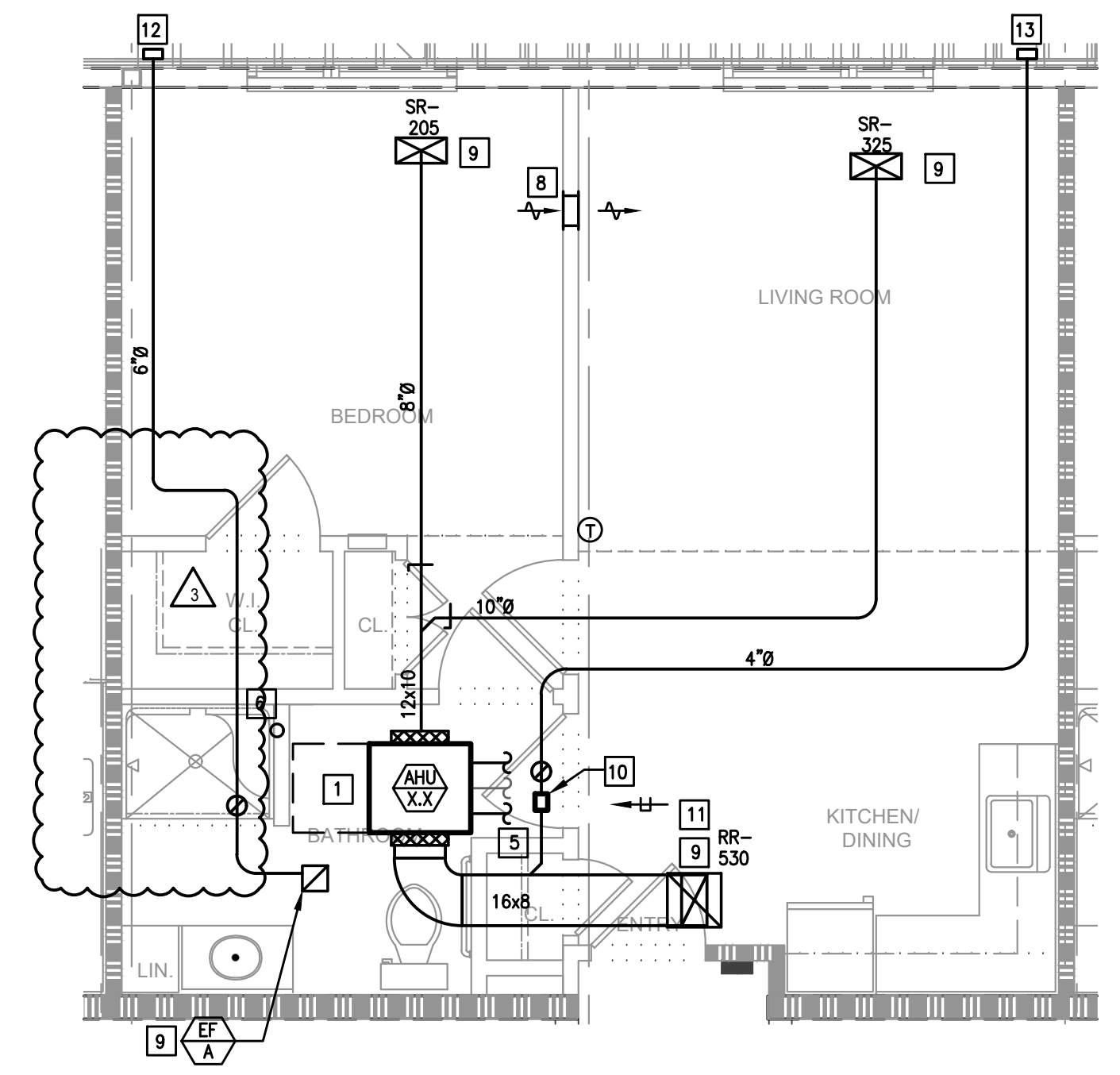
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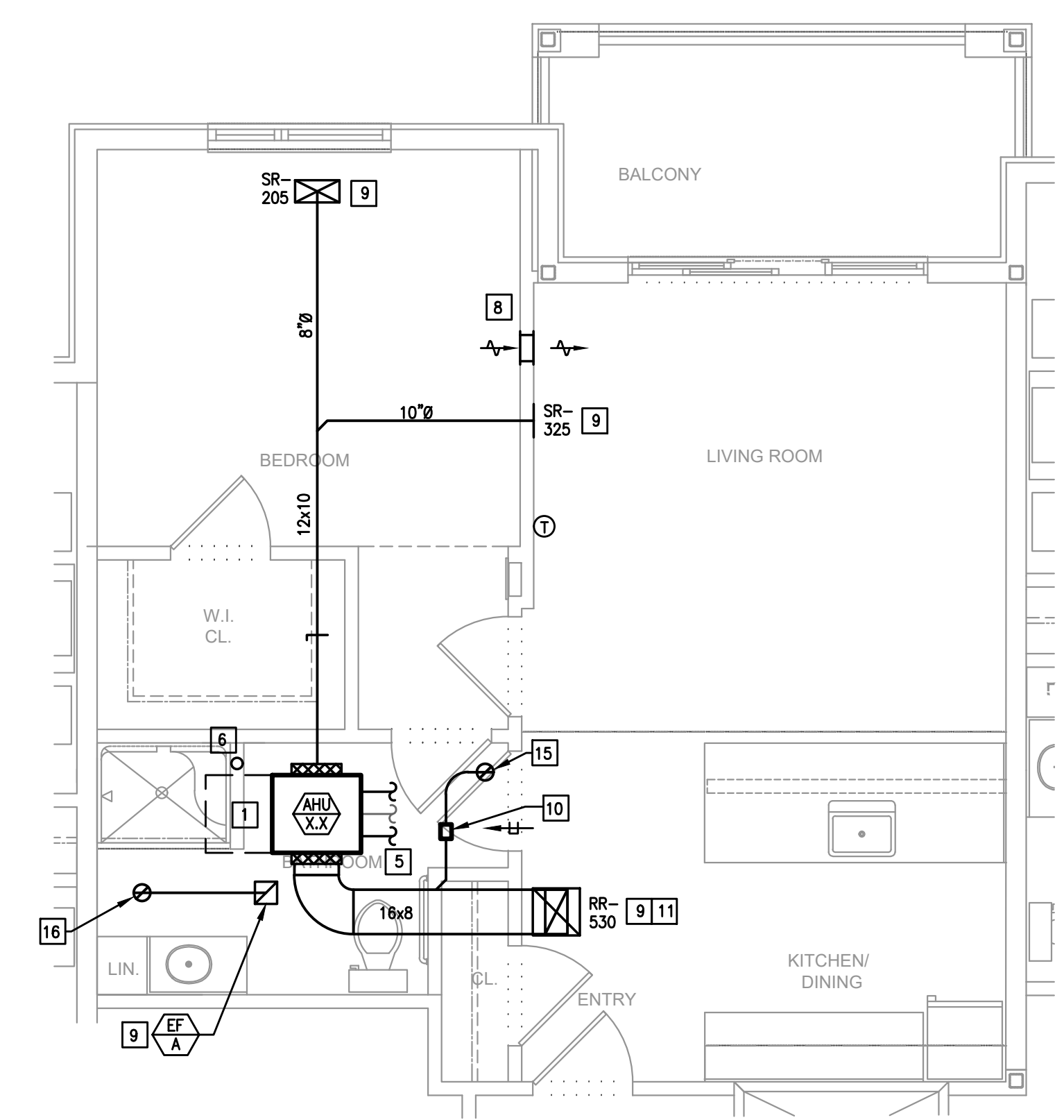
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PC. STANDARD, TYPE 7
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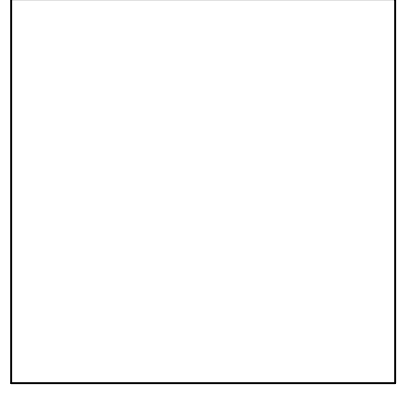
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 NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC. 1 BEDROOM TYPE 2A
 SCALE: 1/4"=1'-0"

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Construction Issue Date:	05/06/2023
Drawn By:	STK/G/KG
Checked By:	MW
Scale:	AS NOTED

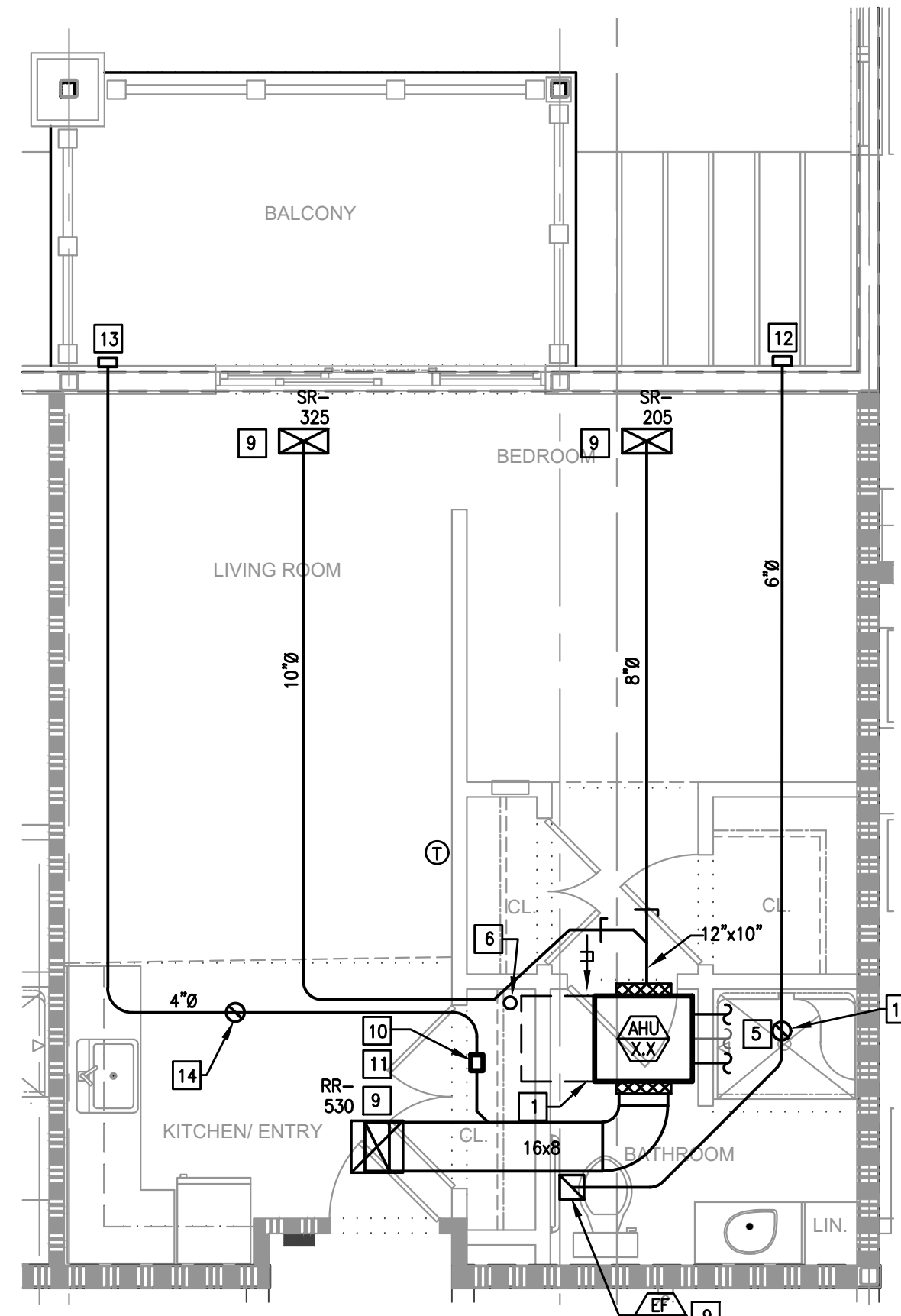
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Progress Prints:	05/06/2023 PERMIT/BID SET
Revisions:	05/06/2023 CONSTRUCTION SET 07.1.22 06/02/2023 ISSUE 08.22 06/02/2023 BULLETIN 08.23

For the third floor units, ductwork is to be removed when shown where a drop ceiling is not located. Air devices are to be located sidewall where the ceilings transition from drop ceilings to the higher ceilings below structure. Refer to markups for routing, sizes, and CFMs.

- MECHANICAL NOTES:**
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 - SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

CONSTRUCTION NOTES:

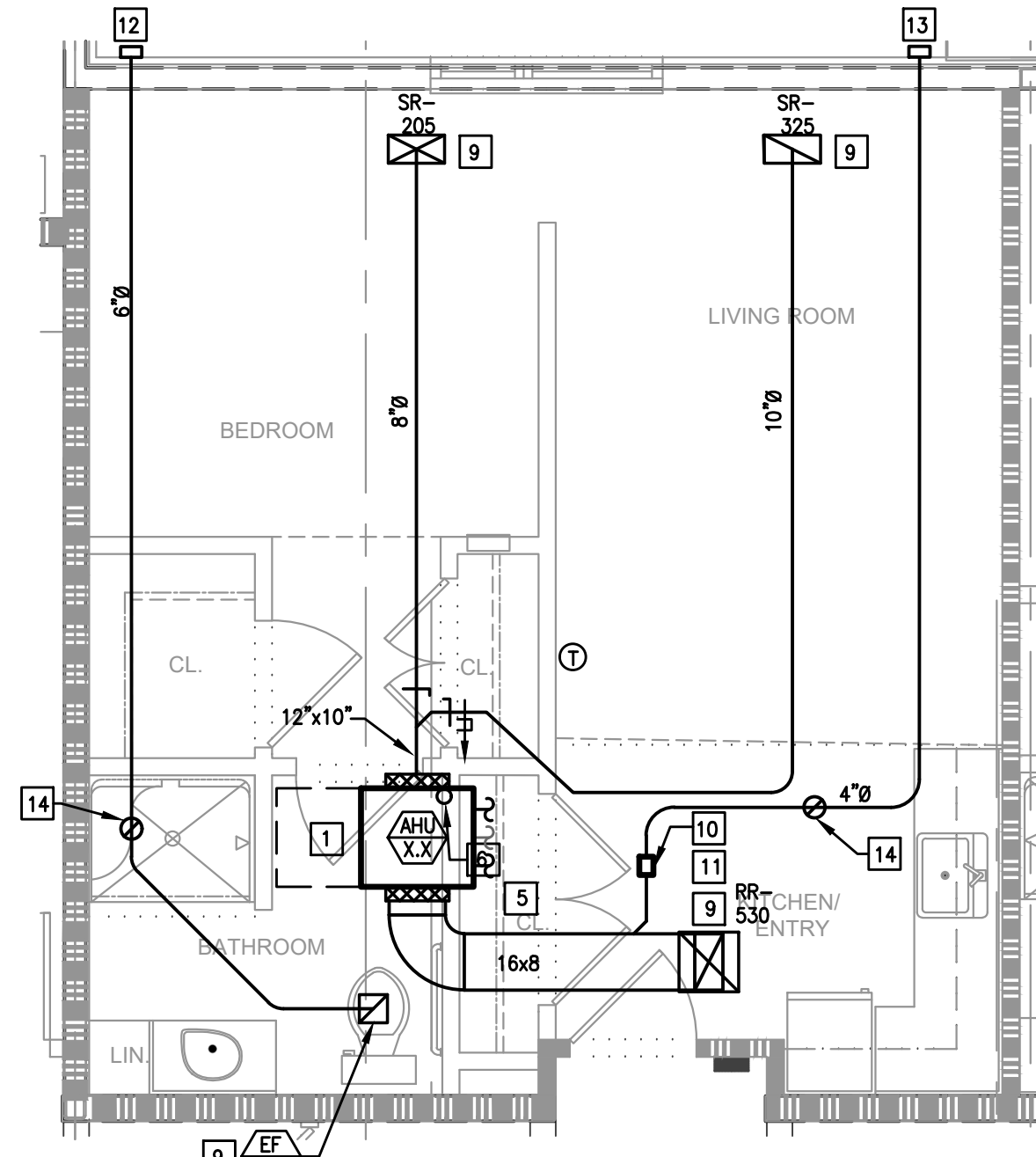
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- 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
- VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL, PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
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- CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR AMB) IN BATHROOM RETURN FILTER GRILL WITH HINGE TABS. REFER TO AIR DEVICE SCHEDULE FOR SIZES.
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- DUCT UP, TO RUN IN TRUSSES.
- VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
- OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.



Not Applicable for 3rd floor units.

PC, STANDARD, TYPE 3A
SCALE: 1/4"=1'-0"

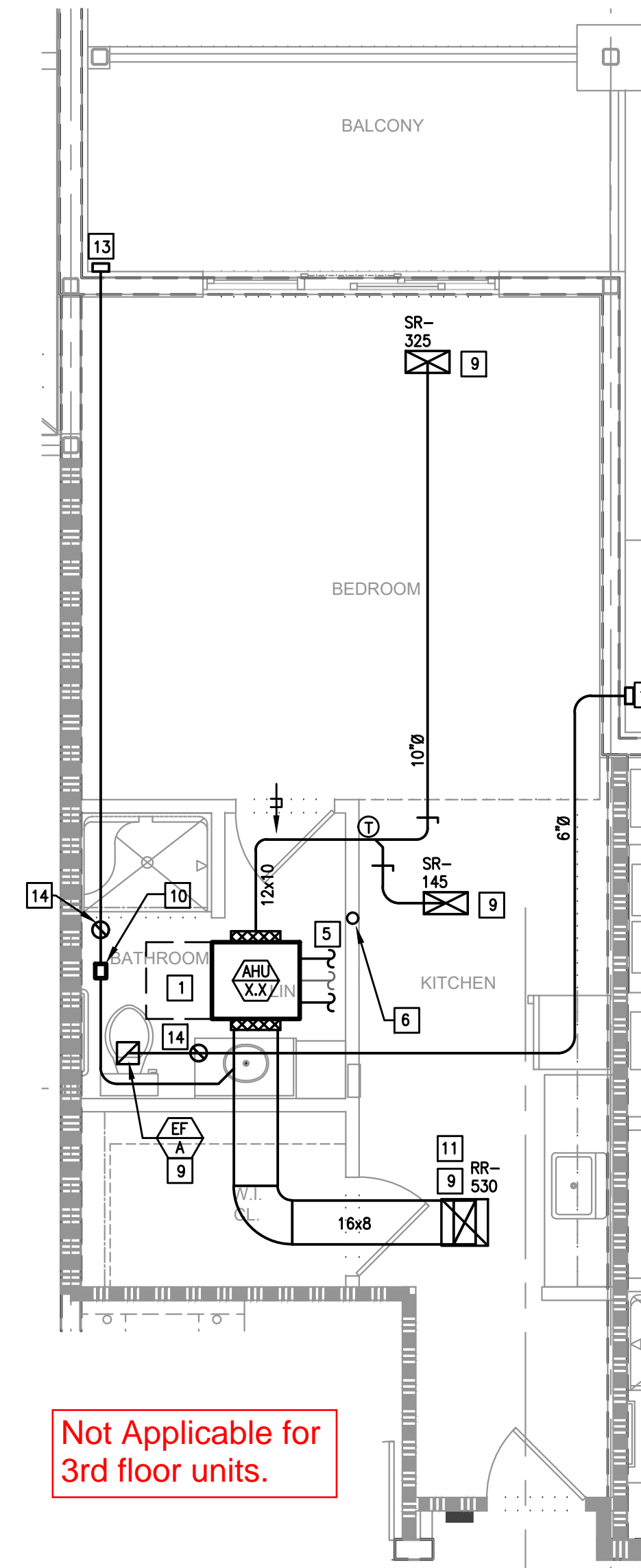
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Not Applicable for 3rd floor units.

PC, STANDARD, TYPE 3B
SCALE: 1/4"=1'-0"

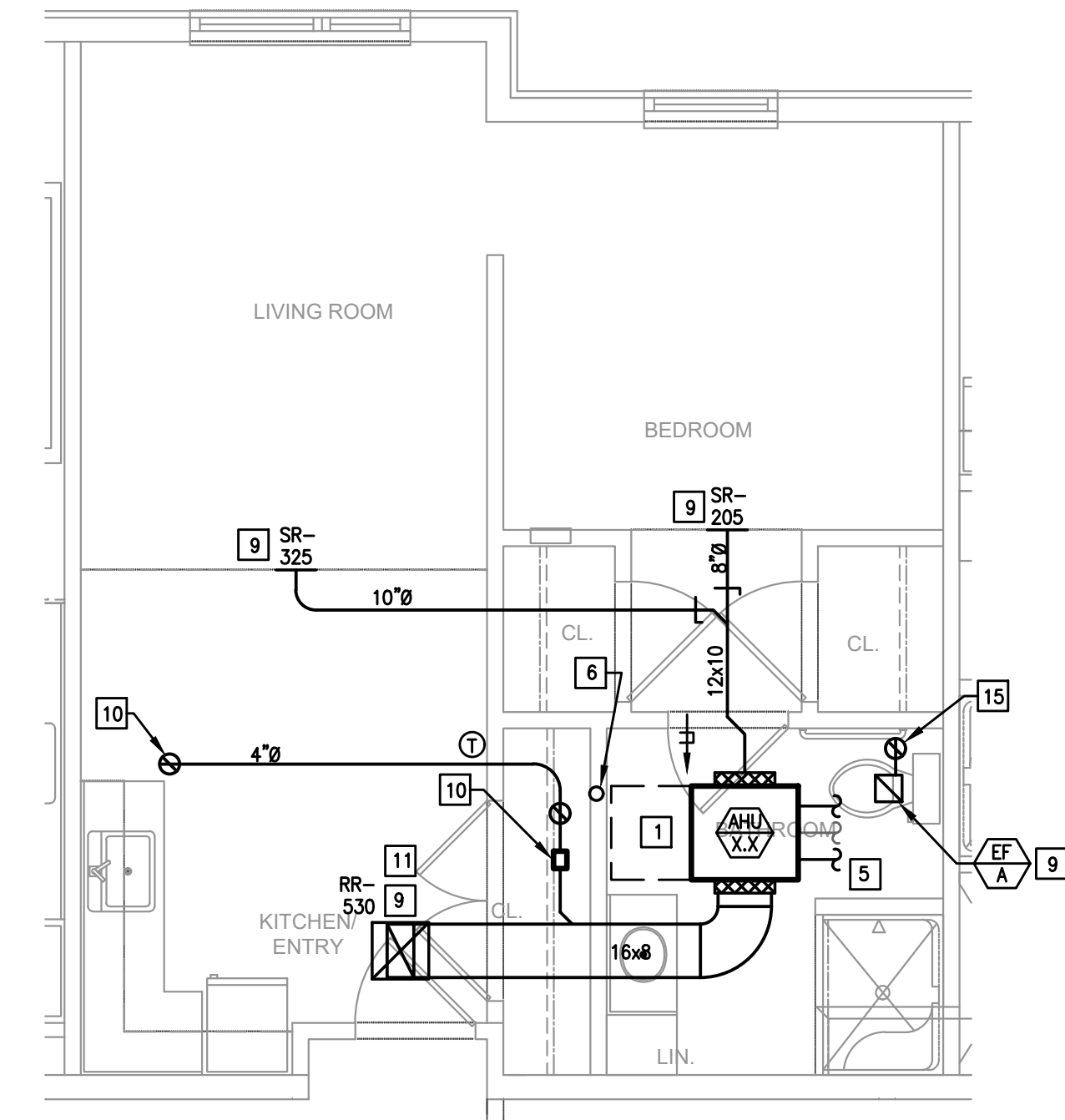
NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



Not Applicable for 3rd floor units.

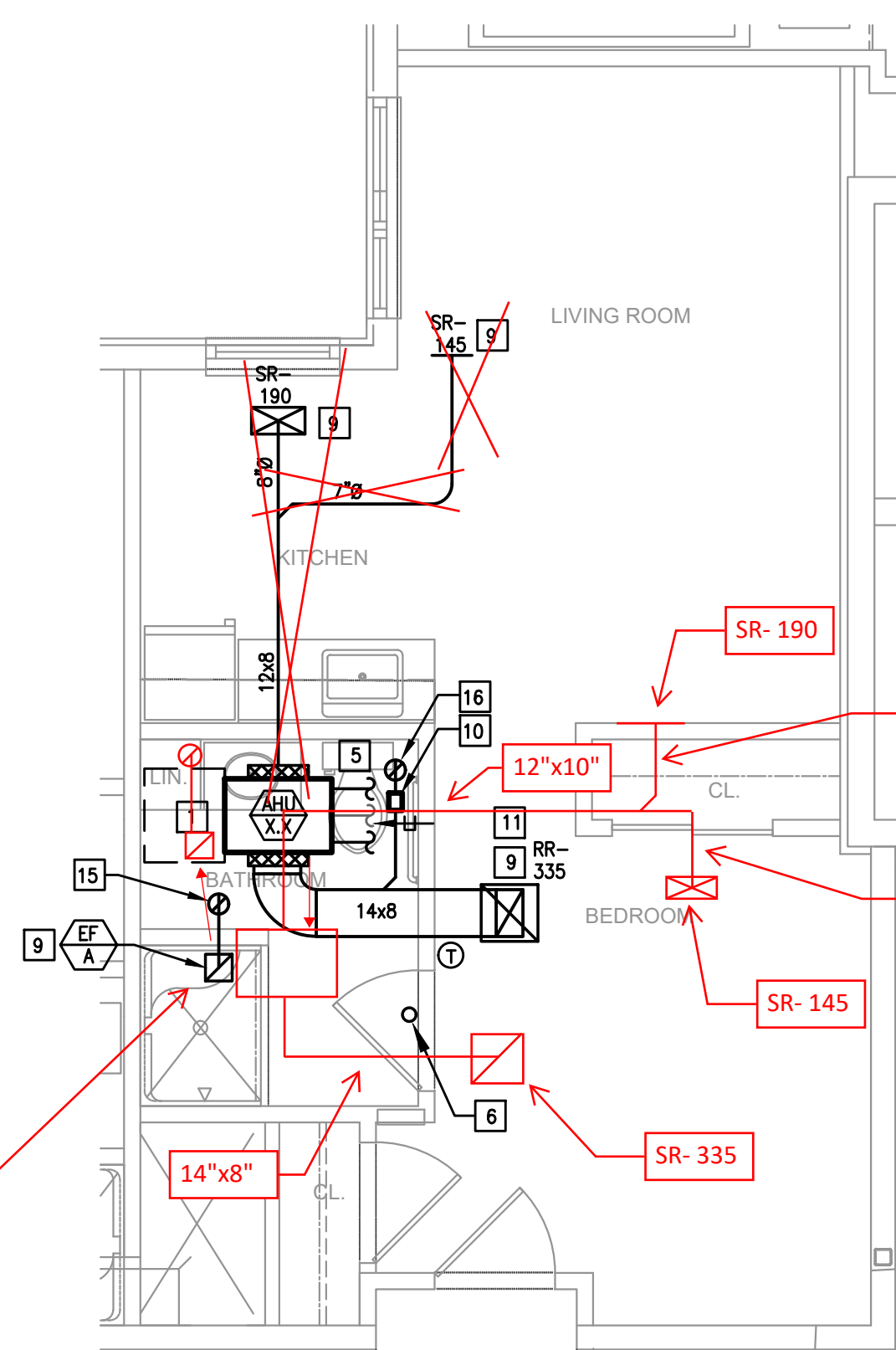
PC, STANDARD, TYPE 4
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



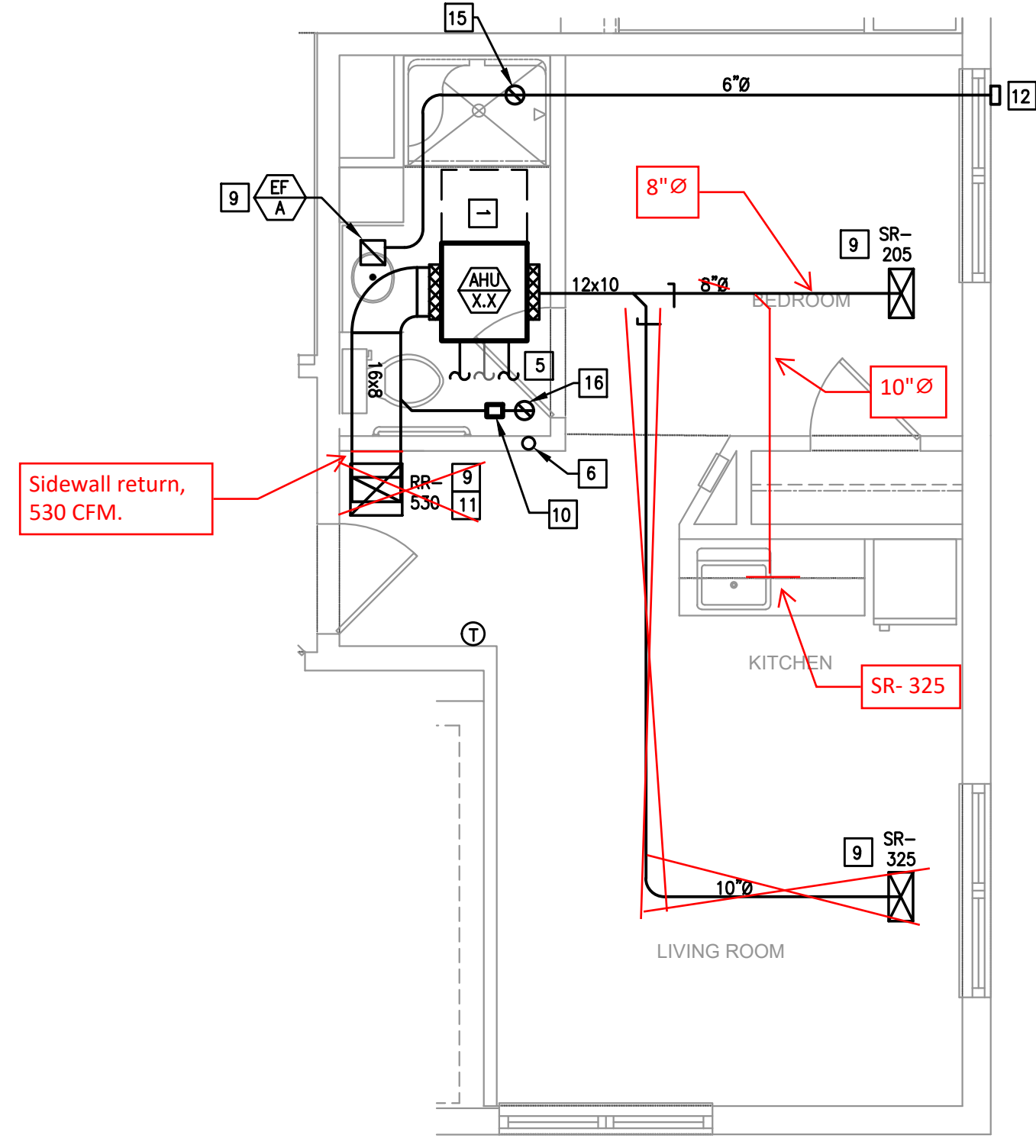
PC, STANDARD, TYPE 5
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



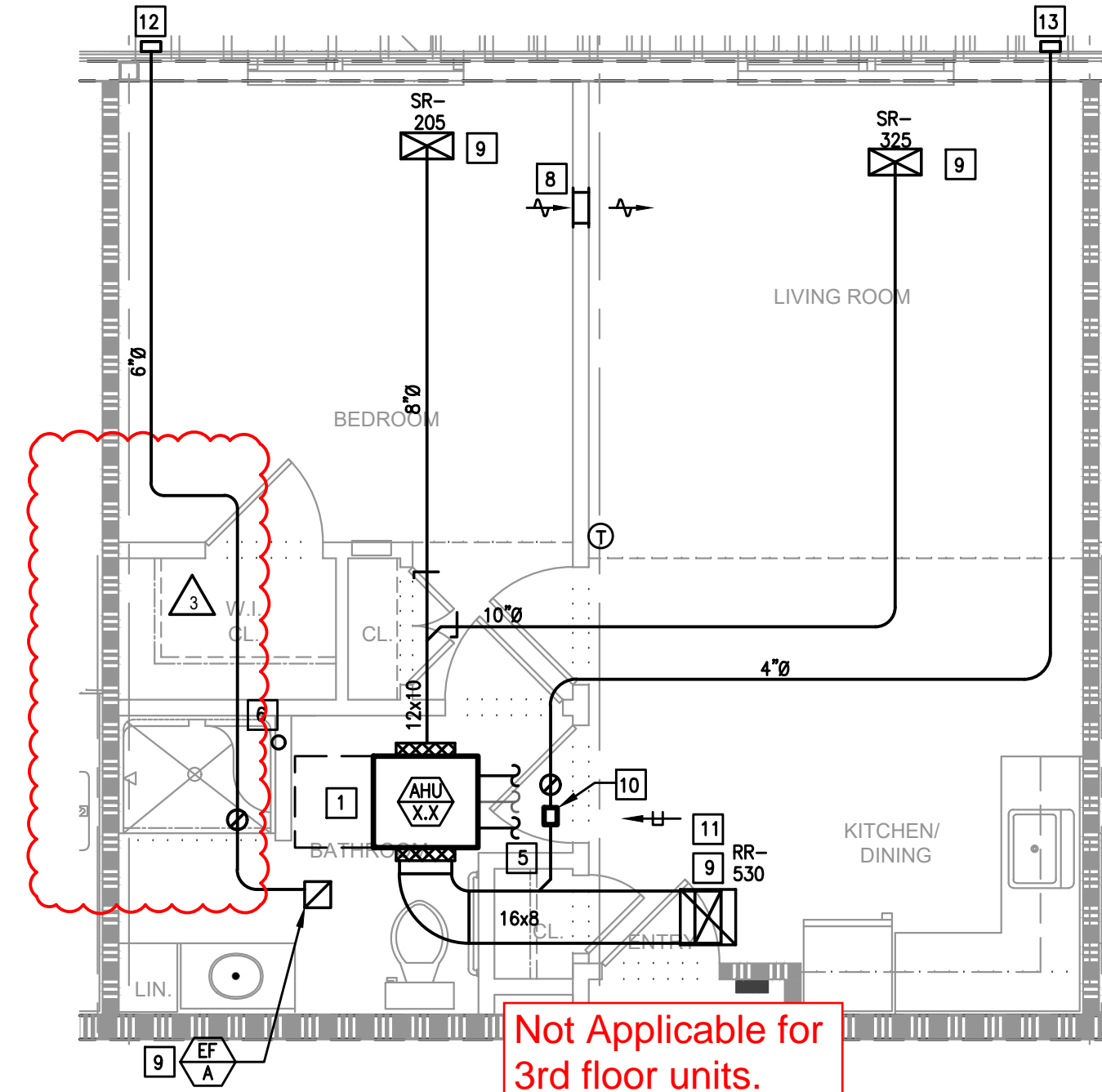
Shift AHU, associated ductwork, and Exhaust to accommodate for ductwork and air device location changes.

PC, STANDARD, TYPE 6
SCALE: 1/4"=1'-0"



Sidewall return, 530 CFM.

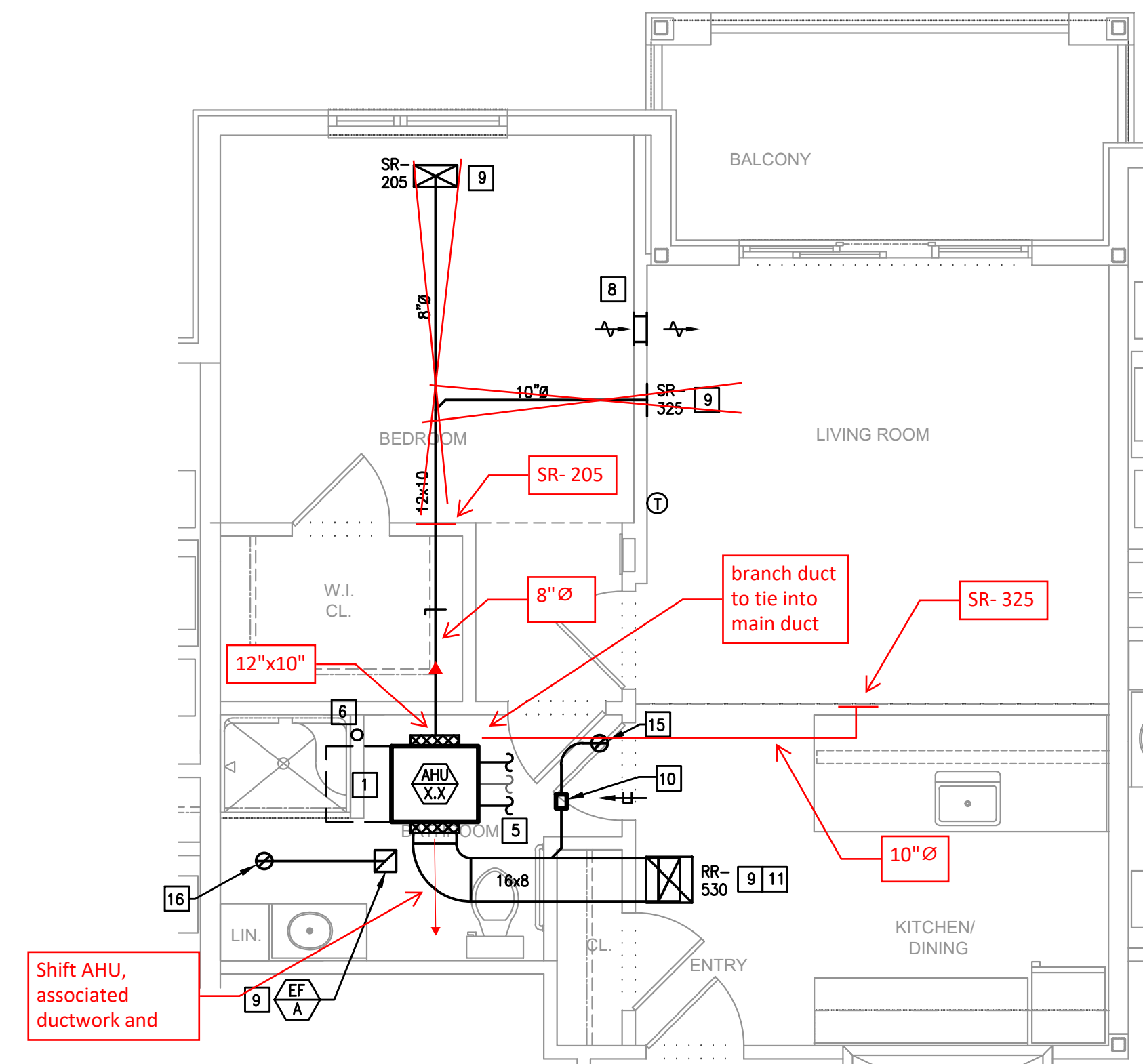
PC, STANDARD, TYPE 7
SCALE: 1/4"=1'-0"



Not Applicable for 3rd floor units.

PC, 1 BEDROOM TYPE 1
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



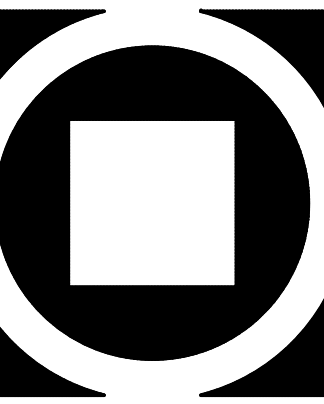
Shift AHU, associated ductwork and

PC, 1 BEDROOM TYPE 2A
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.

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FIELD STONE @ CHESTER SPRINGS
ASSISTED LIVING FACILITY
145 BYERS RD
CHESTER SPRINGS, PA 19475

Construction Issue Date:	05/06/2022
Drawn By:	STK/GKG
Checked By:	MW
Scale:	AS NOTED

Sheet Name:	TYPICAL UNITS												
Progress Prints:	05/06/2022 PERMIT/BID SET												
Revisions:	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>05/06/2022</td> <td>ISSUE FOR PERMIT</td> </tr> <tr> <td>2</td> <td>05/06/2022</td> <td>ISSUE FOR BID</td> </tr> <tr> <td>3</td> <td>05/06/2022</td> <td>ISSUE FOR CONSTRUCTION</td> </tr> </table>	NO.	DATE	DESCRIPTION	1	05/06/2022	ISSUE FOR PERMIT	2	05/06/2022	ISSUE FOR BID	3	05/06/2022	ISSUE FOR CONSTRUCTION
NO.	DATE	DESCRIPTION											
1	05/06/2022	ISSUE FOR PERMIT											
2	05/06/2022	ISSUE FOR BID											
3	05/06/2022	ISSUE FOR CONSTRUCTION											

M2.1

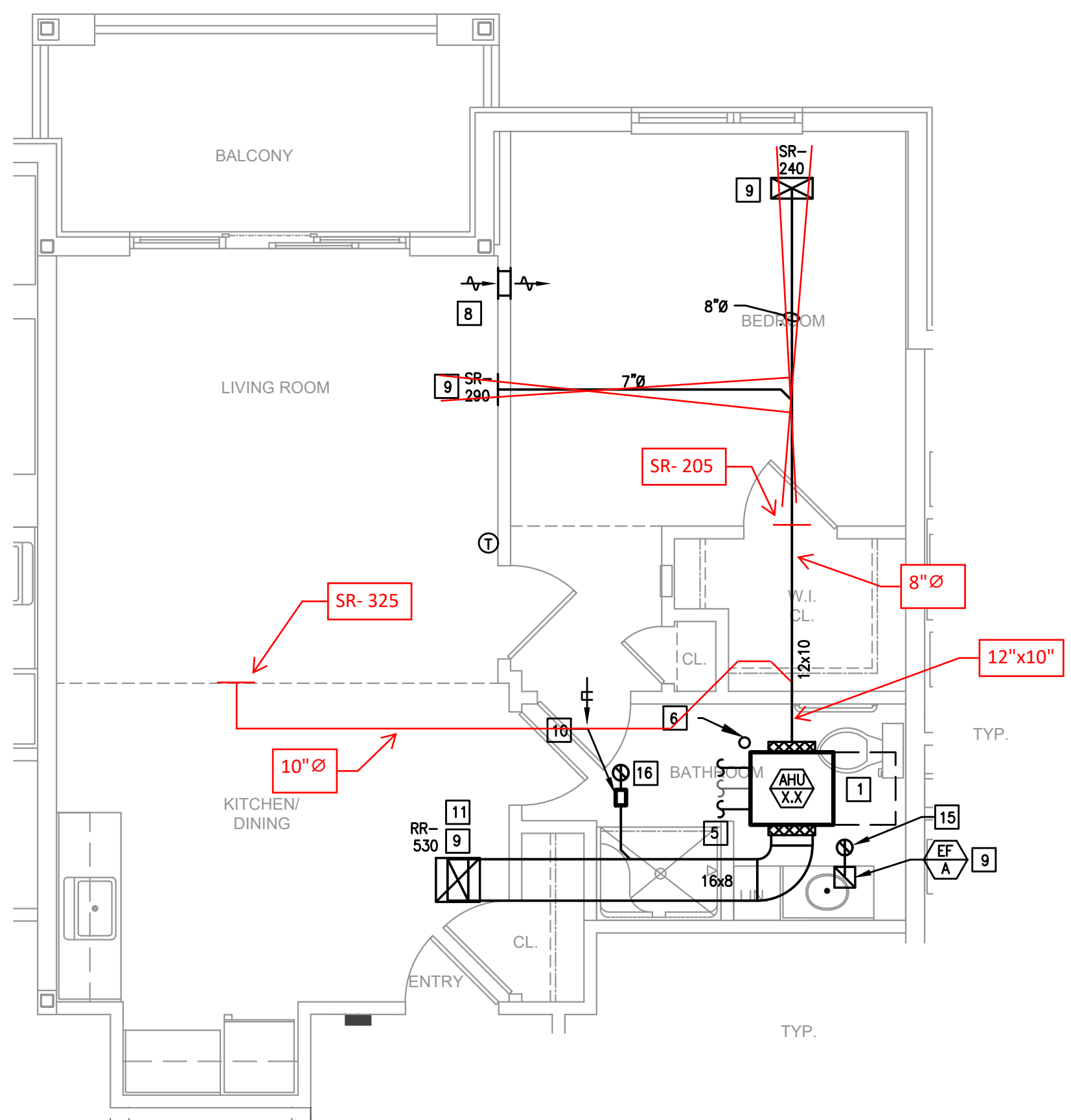
For the third floor units, ductwork is to be removed when shown where a drop ceiling is not located. Air devices are to be located sidewall where the ceilings transition from drop ceilings to the higher ceilings below structure. Refer to markups for routing, sizes, and CFMs.

MECHANICAL NOTES:

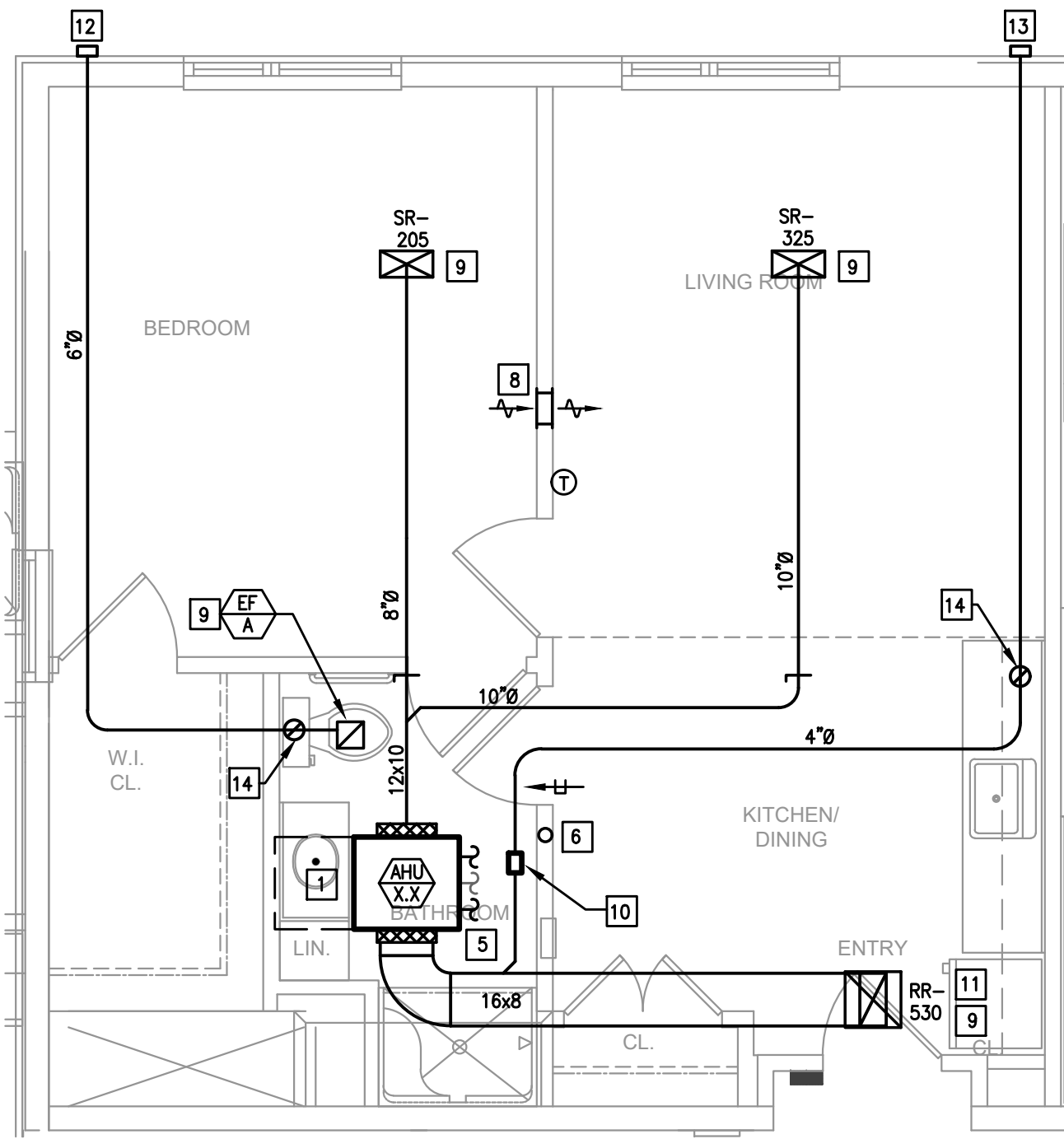
1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25 FT. CENTERS.
4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
5. ALL ENERGY RECOVERY DUCTWORK SHALL BE RIGID, NO FLEXIBLE AIR DUCT IS PERMITTED.
6. ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
7. SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE 24" CLEARANCE AS NOTED. NO PIPING OR DUCTWORK ALLOWED IN ACCESS SPACE.
2. 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
3. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION), PER DETAIL, PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
4. KITCHEN HOOD SHALL BE AN APPROVED RECIRCULATING HOOD PROVIDED BY GENERAL CONTRACTOR.
5. REFER TO BUILDING FLOOR PLANS FOR CONTINUATION.
6. CONDENSATE PIPING DOWN IN WALL FOR SECOND AND THIRD FLOOR LIVING UNITS, CONDENSATE TO THE DIRECTLY INTO CONDENSATE PIPING PLANS (M108-M113) FOR PIPING LOCATIONS.
7. G.C. TO PROVIDE A LOWERED DOOR, REFER TO THE ARCHITECTURAL PLANS. FREE AREA OF DOOR TO EQUAL DRYER MANUFACTURER'S REQUIREMENTS.
8. PROVIDE DUCTED, HIGH-LOW, 12x6 TRANSFER GRILLES EQUAL TO TITUS 350FL.
9. PROVIDE RADIANT DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
10. CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR AAB) IN BATHROOM CEILING SPACE.
11. RETURN FILTER GRILL WITH HINGE TABS. REFER TO AIR DEVICE SCHEDULE FOR SIZES.
12. VENT BATHROOM EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION).
13. OUTSIDE AIR INTAKE: 4" FOR 1 BEDROOM UNIT, 5" FOR 2 BEDROOM UNIT. SIDEWALL VENT KIT TO EQUAL X-VENT, WITH GRAVITY DAMPER (SINGLE).
14. DUCT UP, TO RUN IN TRUSSES.
15. VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
16. OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.

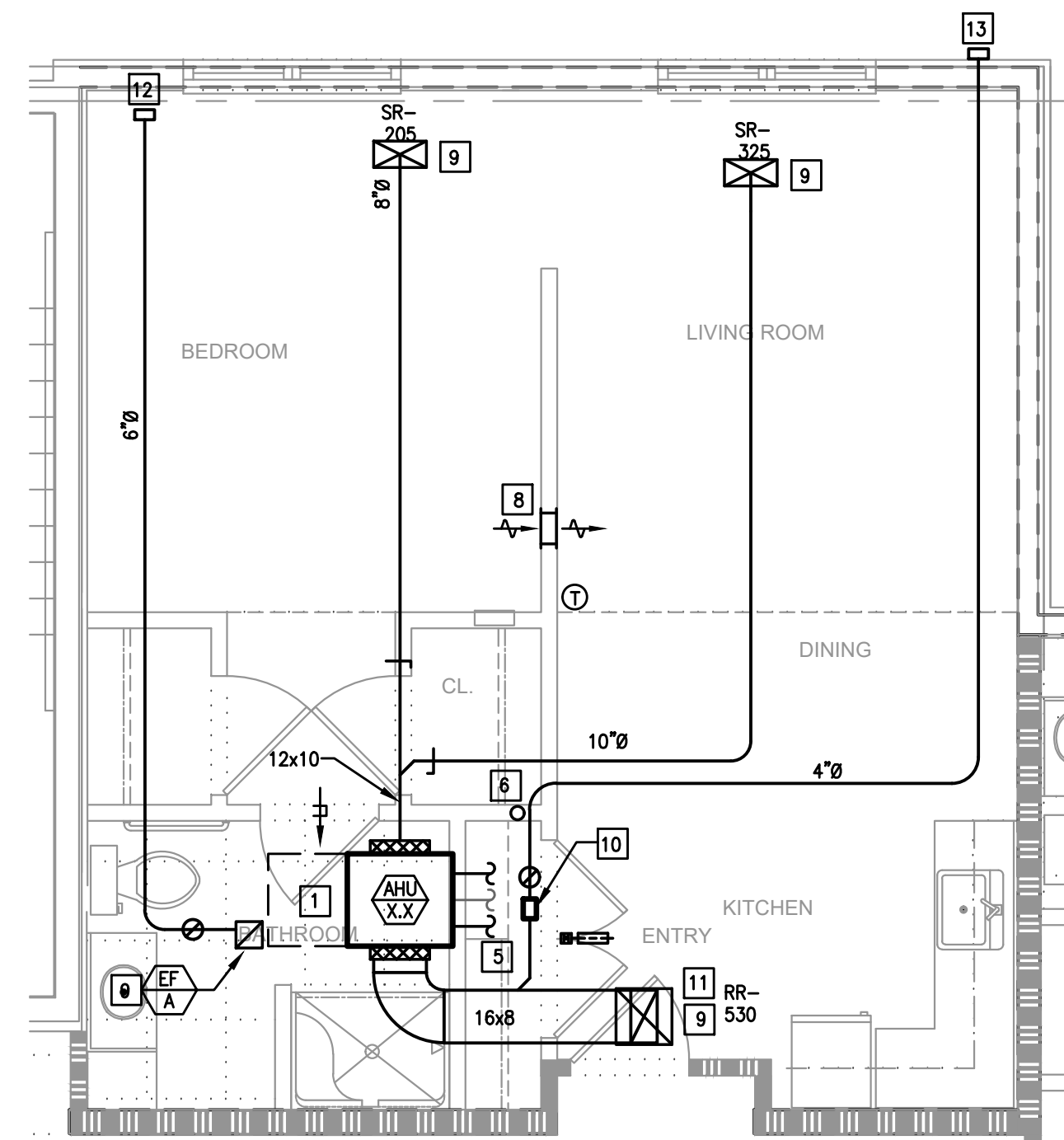


PC, 1 BEDROOM, TYPE 2B
SCALE: 1/4"=1'-0"



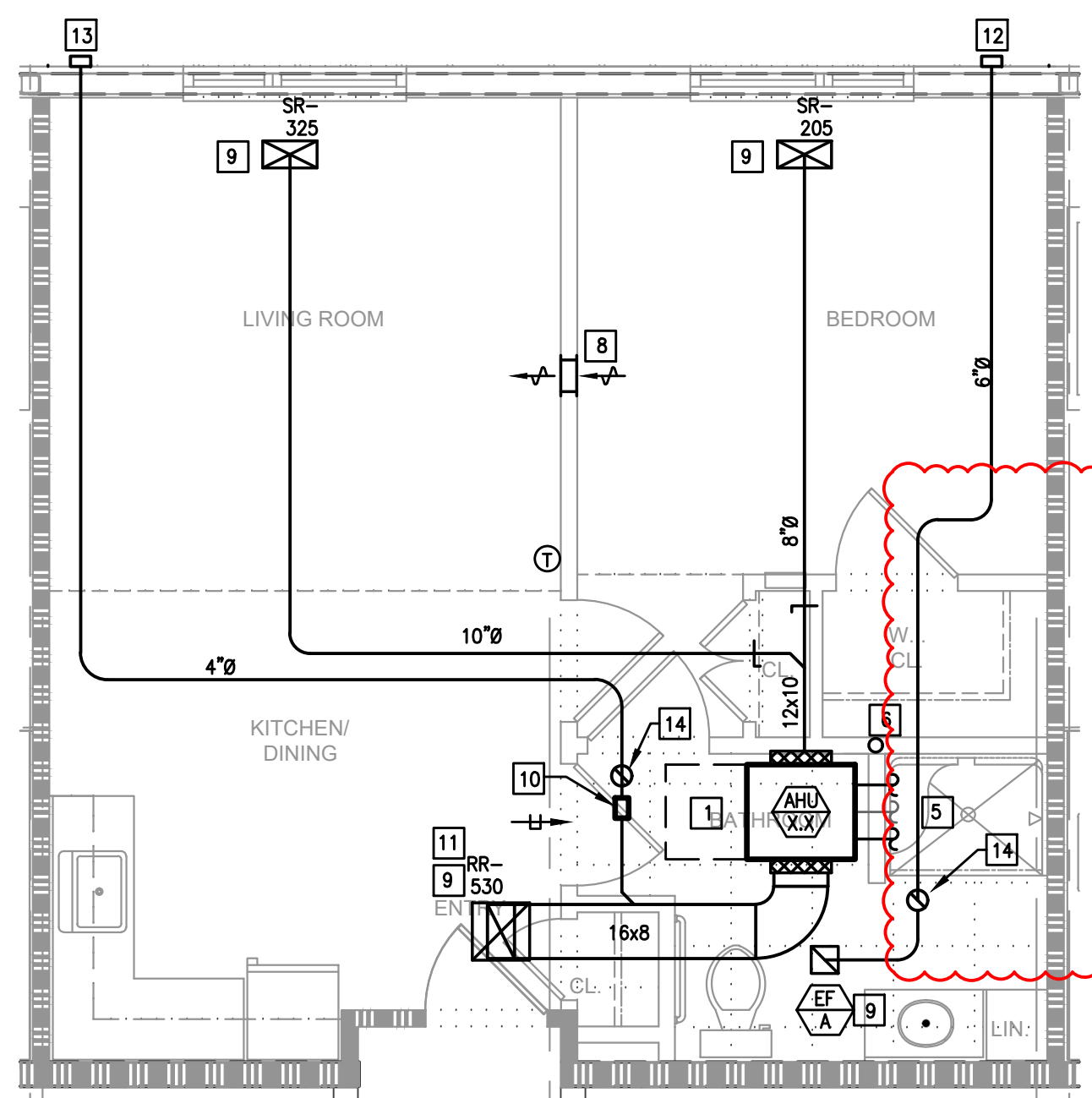
PC, 1 BEDROOM, TYPE 3A
SCALE: 1/4"=1'-0"

Not Applicable for 3rd floor units.



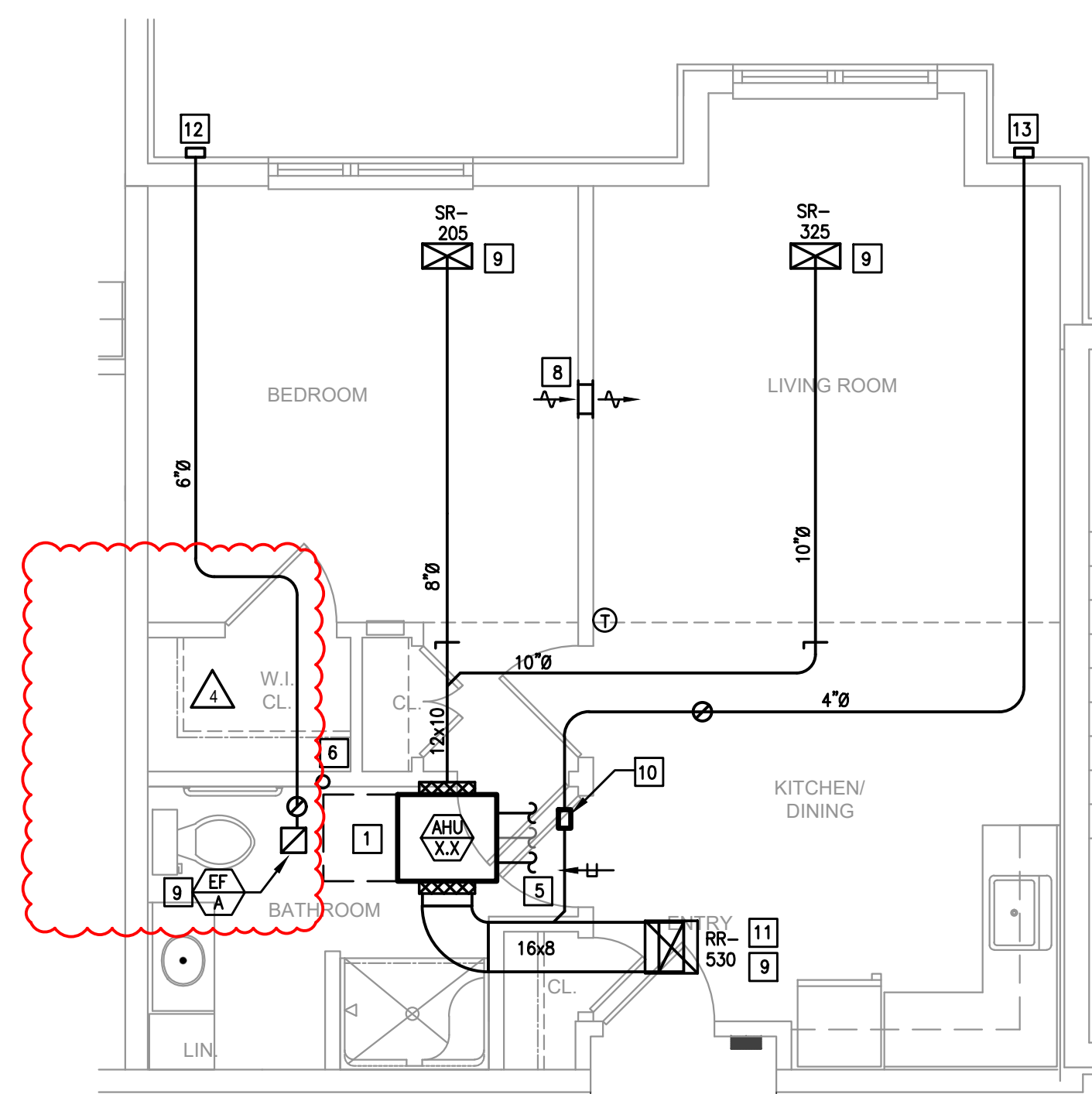
PC, 1 BEDROOM, TYPE 3B
SCALE: 1/4"=1'-0"

Not Applicable for 3rd floor units.



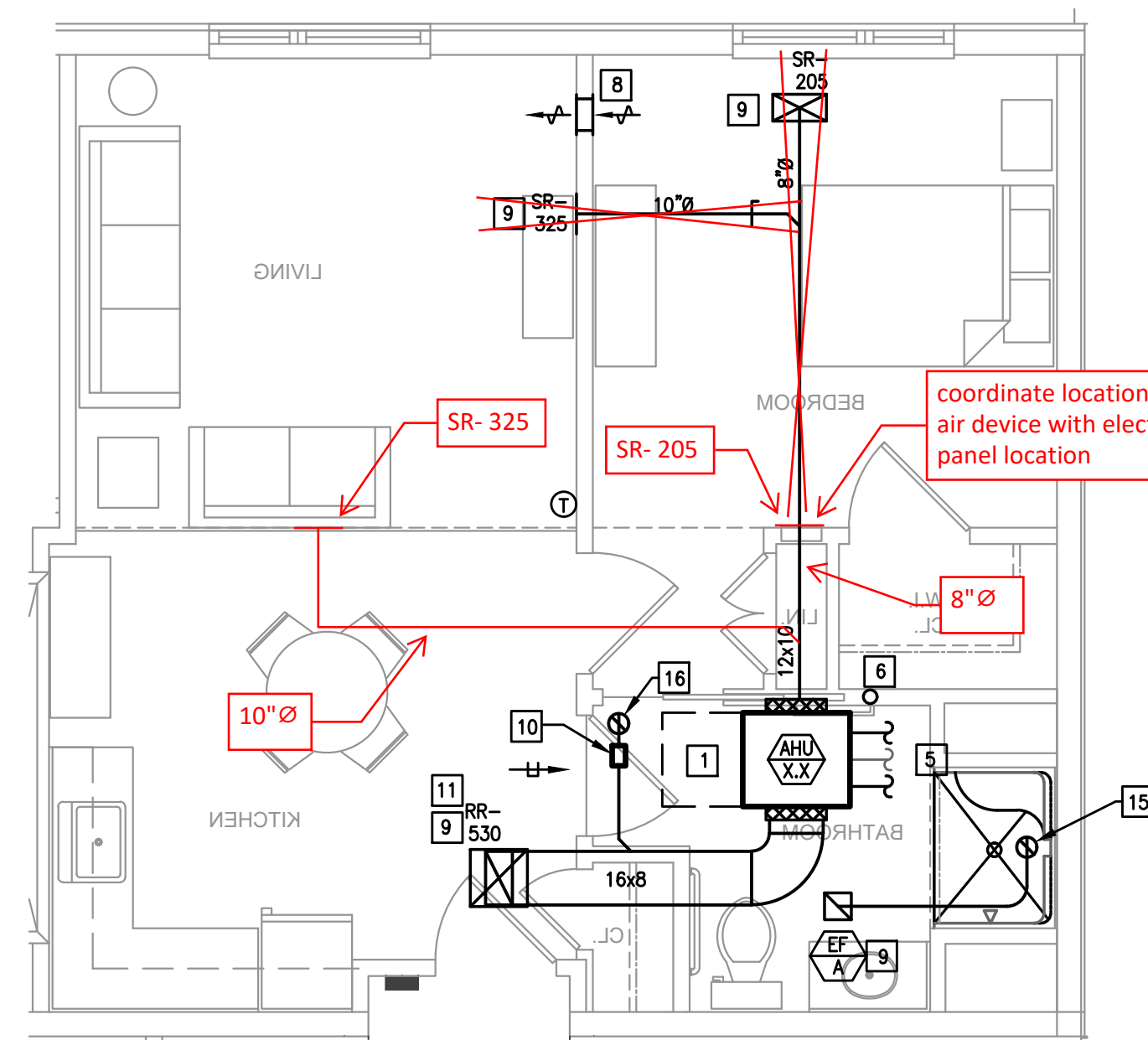
PC, 1 BEDROOM, TYPE 3C
SCALE: 1/4"=1'-0"

Not Applicable for 3rd floor units.



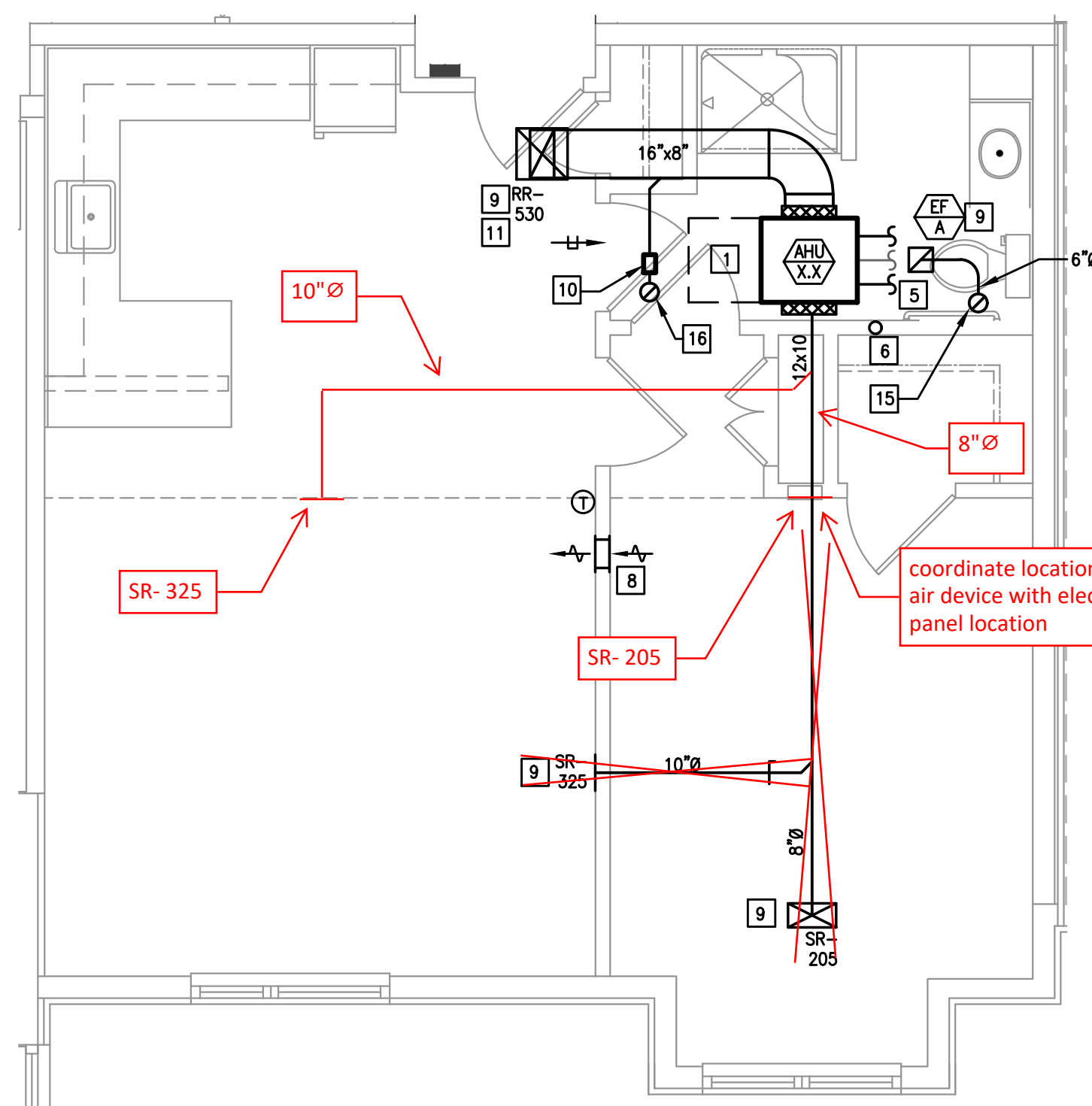
PC, 1 BEDROOM, TYPE 3D (SIMILAR TO 3E)
SCALE: 1/4"=1'-0"

Not Applicable for 3rd floor units.



PC, 1 BEDROOM, TYPE 6
SCALE: 1/4"=1'-0"

coordinate location of air device with electrical panel location



PC, 1 BEDROOM, TYPE 6
SCALE: 1/4"=1'-0"

coordinate location of air device with electrical panel location

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Construction Issue Date: 05/06/2022
Drawn By: STK/G/K/G
Checked By: MW
Scale: AS NOTED

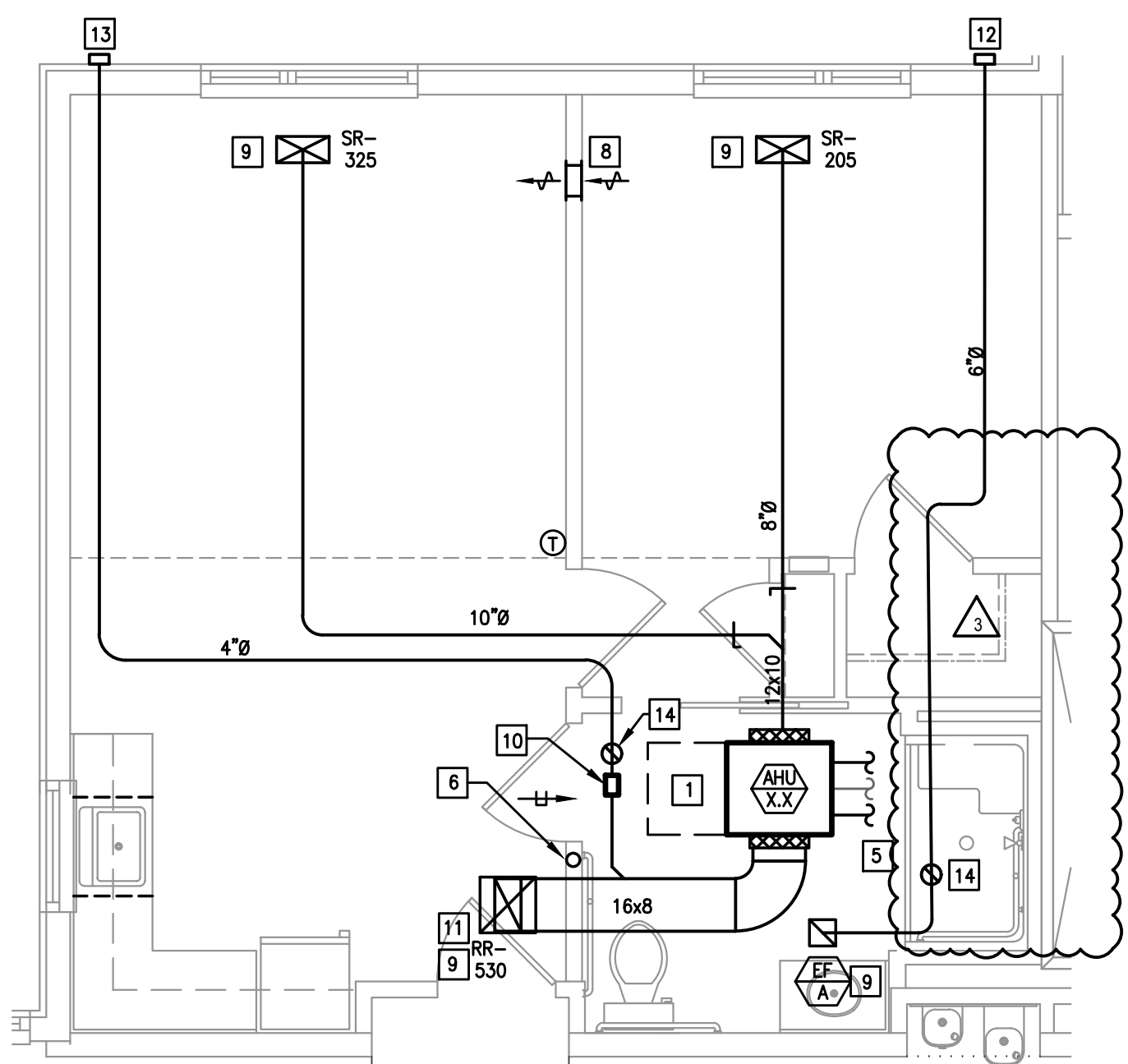
Sheet Name:	TYPICAL UNITS
Progress Prints:	05/06/2022 PERMIT/BID SET
Revisions:	ADD: CONSTRUCTION SET 07.1.22
	REVISED: 08.22
	BULLETIN #4.10.23
	BULLETIN #5.8.23

MECHANICAL NOTES:

1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
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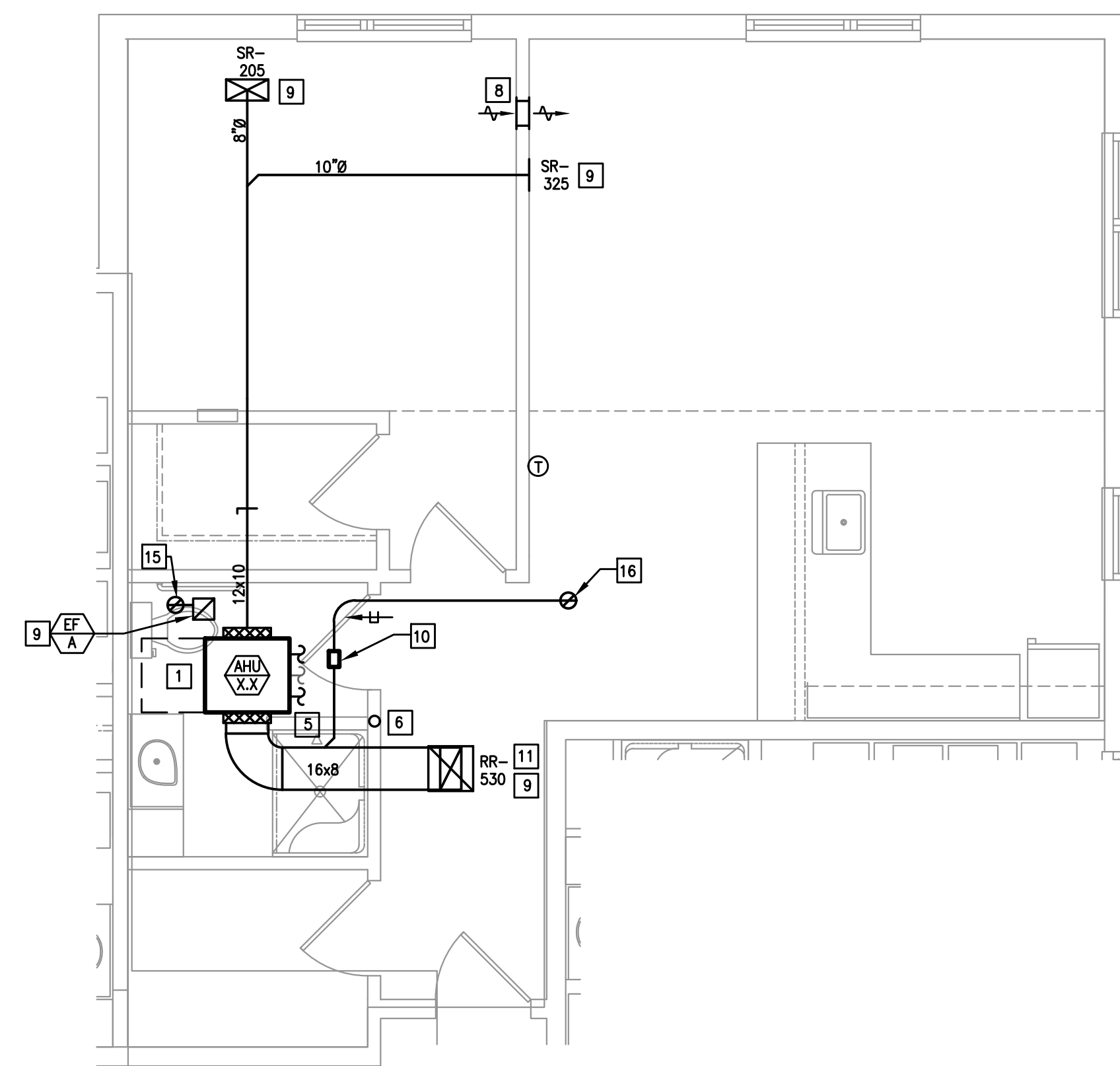
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7. G.C. TO PROVIDE A LOUVERED DOOR. REFER TO THE ARCHITECTURAL PLANS. FREE AREA OF DOOR TO EQUAL DRYER MANUFACTURER'S REQUIREMENTS.
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14. DUCT UP, TO RUN IN TRUSSES.
15. VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
16. OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.



PC, 1 BEDROOM, TYPE 4, ACCESSIBLE

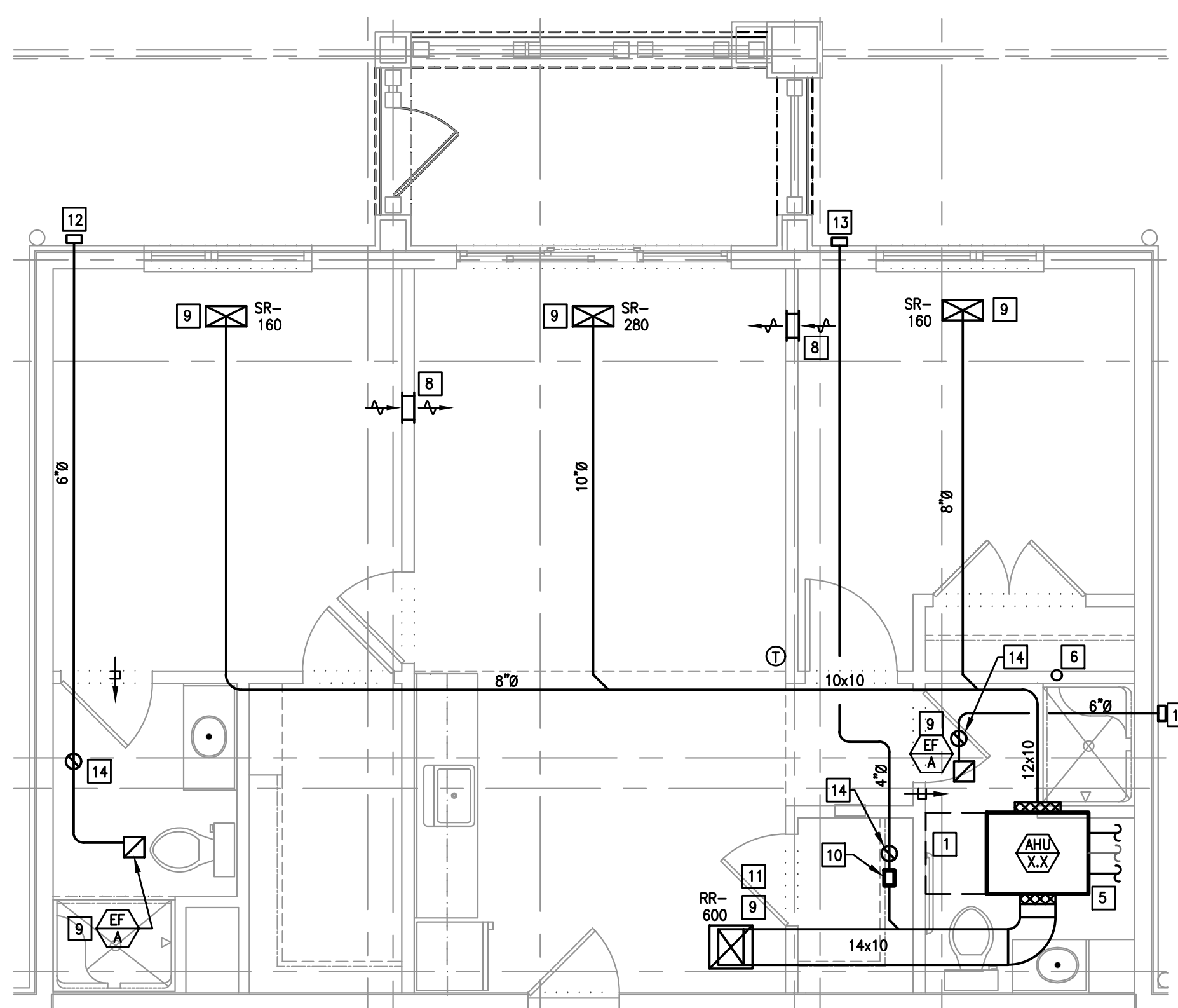
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC, 1 BEDROOM, TYPE 5

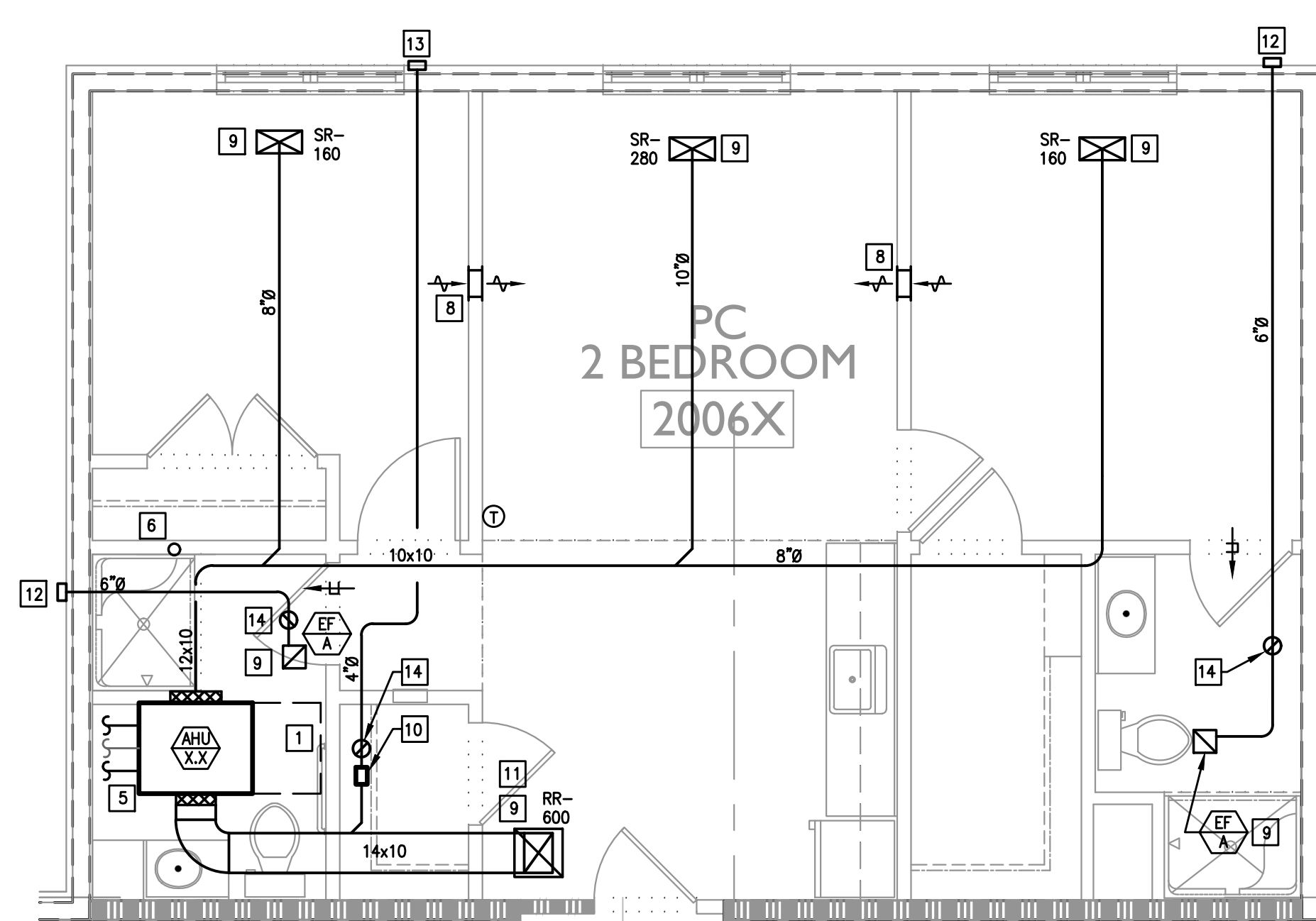
SCALE: 1/4"=1'-0"



PC, 2 BEDROOM, TYPE 1A

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

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC, 2 BEDROOM, TYPE 1B

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

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.

REVISED
12:53 pm, Dec 04, 2023

Construction Issue Date:	
Drawn By:	STK/G/KG
Checked By:	MW
Scale:	AS NOTED

Sheet Name:	TYPICAL UNITS
Progress Prints:	Revisions:
05.06.2022 PERMIT/BID SET	1
ADD.1 CONSTRUCTION SET-07.1.22	2
REVISED-08.2.22	3
BULLETIN #6-8.23	4

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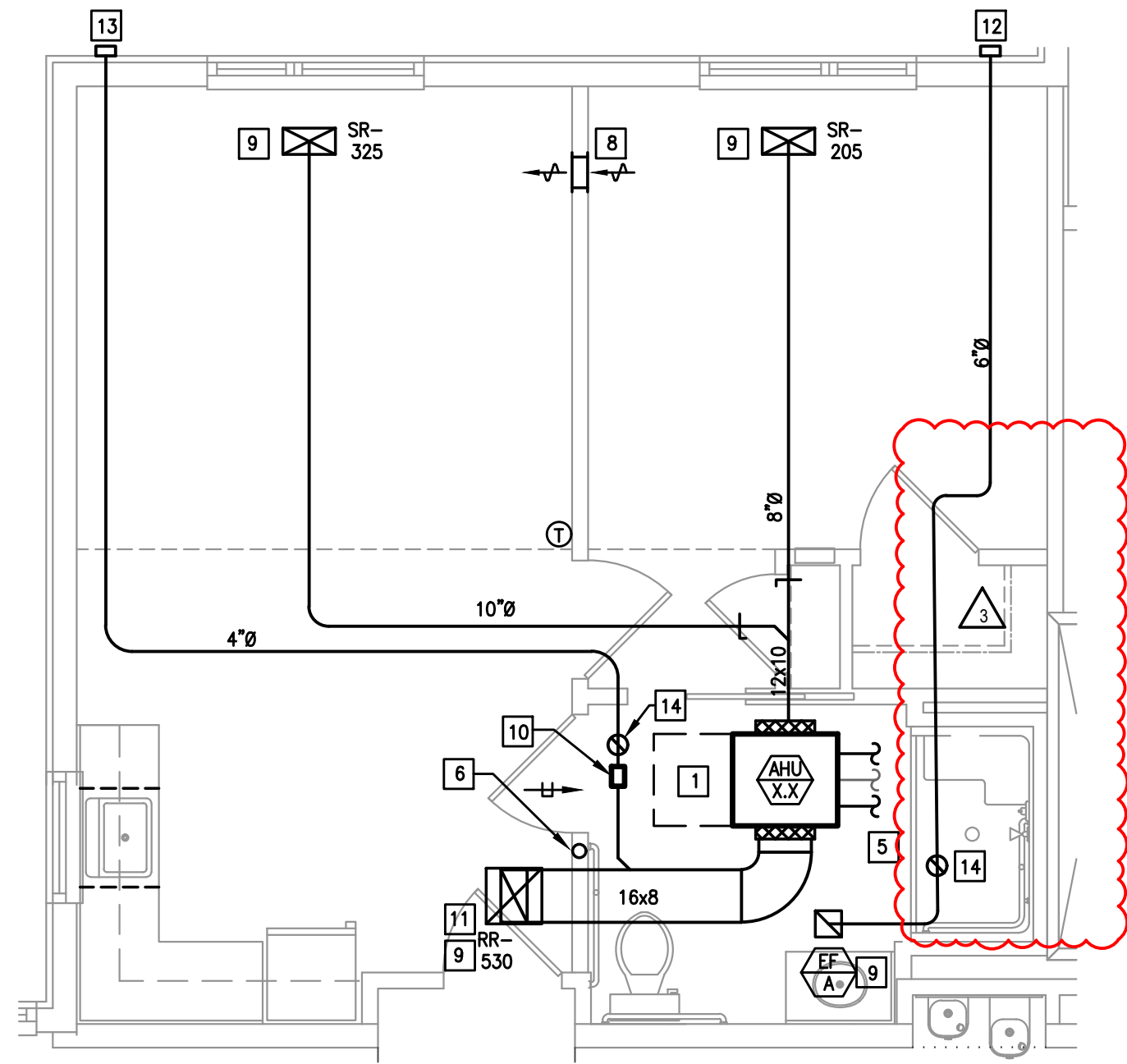
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CONSTRUCTION NOTES:

- CONTRACTOR SHALL PROVIDE 2" CLEARANCE AS NOTED. NO PIPING OR DUCTWORK ALLOWED IN ACCESS SPACE.
- 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
- VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS. THIRD FLOOR FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL. PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
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- PROVIDE RADIANT DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
- CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR AAE) IN BATHROOM CEILING SPACE.
- RETURN FILTER GRILL WITH HINGE TABS. REFER TO AIR DEVICE SCHEDULE FOR SIZES.
- VENT BATHROOM EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS. THIRD FLOOR FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION).
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- DUCT UP, TO RUN IN TRUSSES.
- VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
- OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.

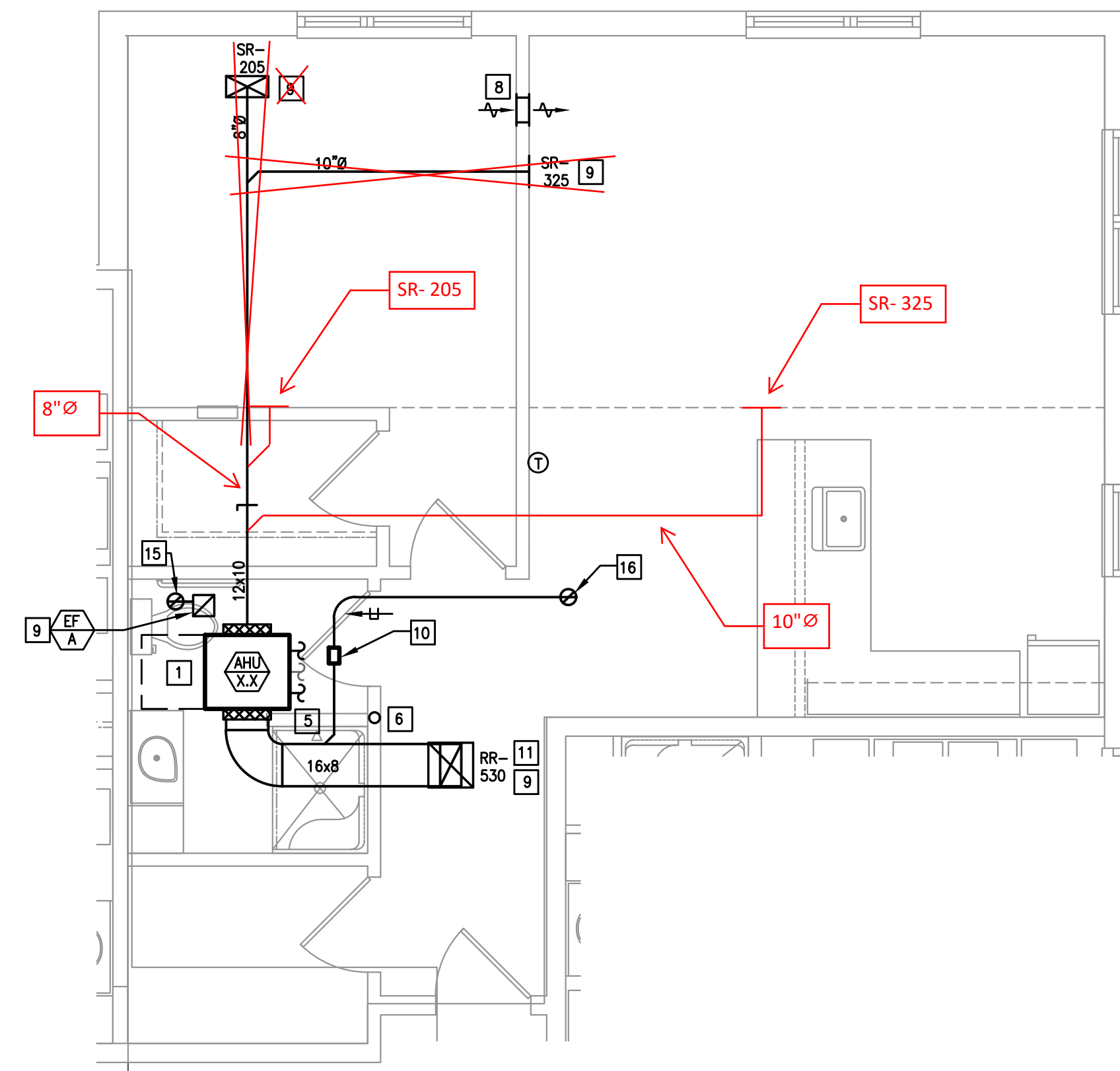


Not Applicable for 3rd floor units.

PC, 1 BEDROOM, TYPE 4, ACCESSIBLE

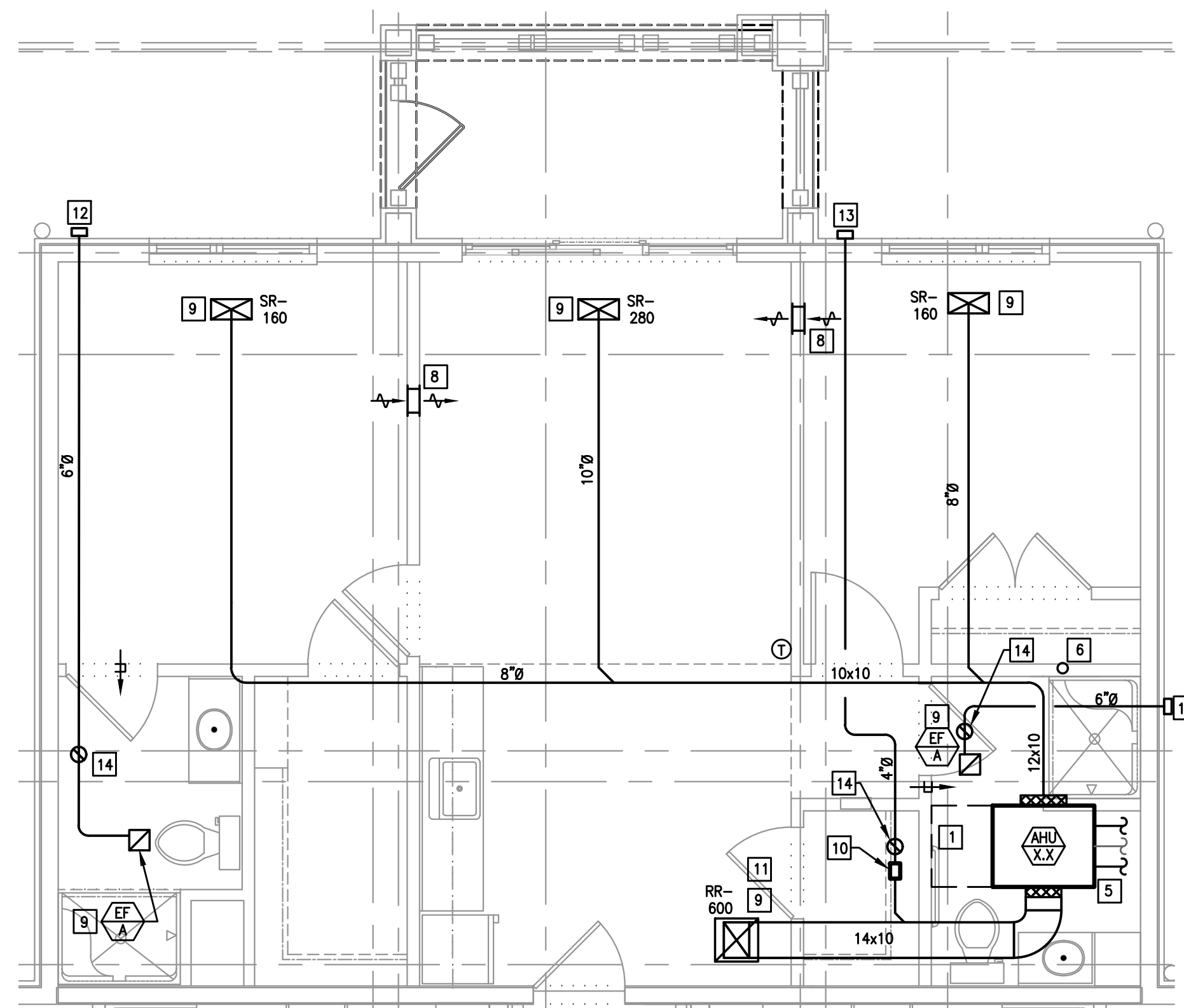
SCALE: 1/4"=1'-0"

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC, 1 BEDROOM, TYPE 5

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

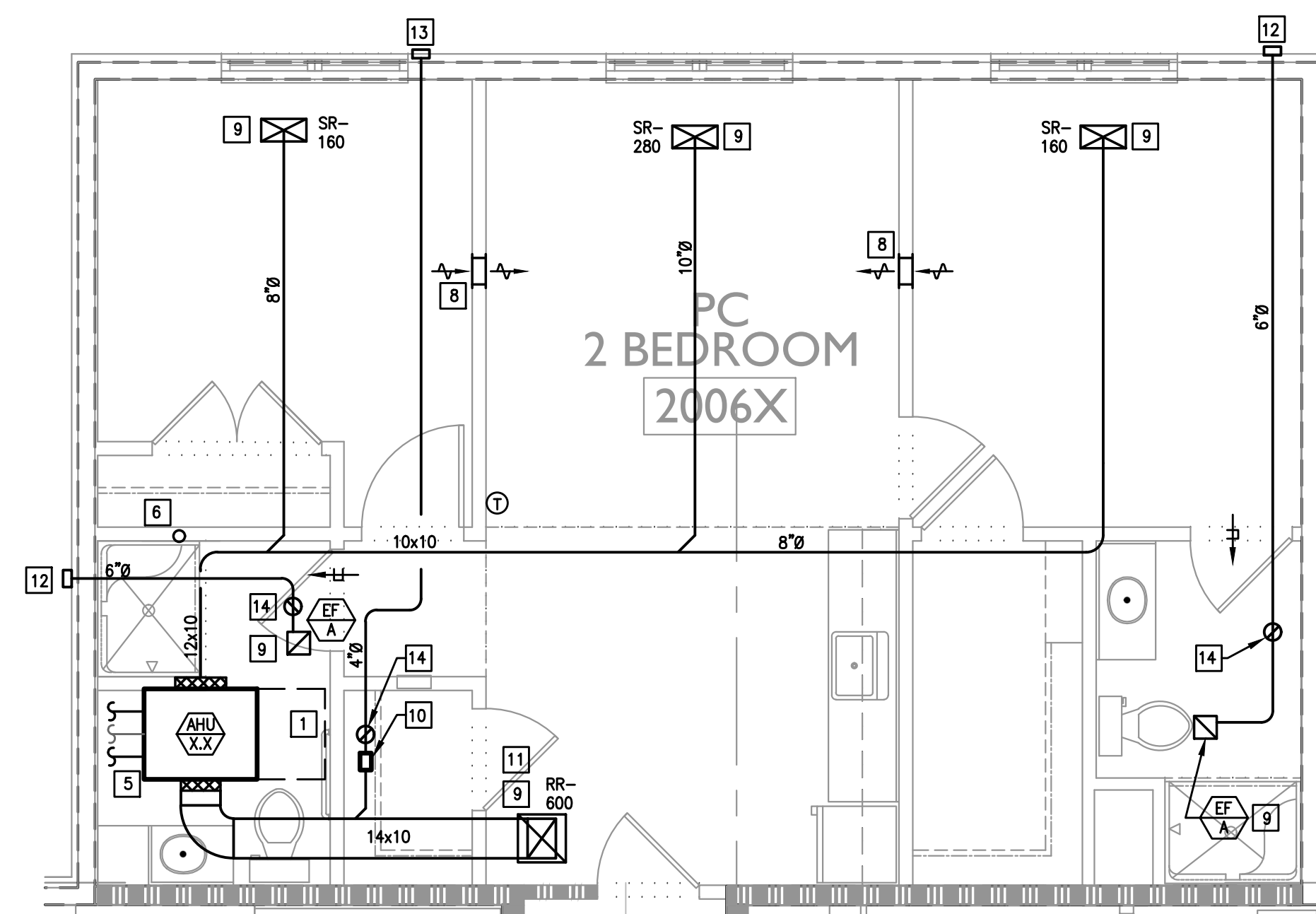


Not Applicable for 3rd floor units.

PC, 2 BEDROOM, TYPE 1A

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

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



Not Applicable for 3rd floor units.

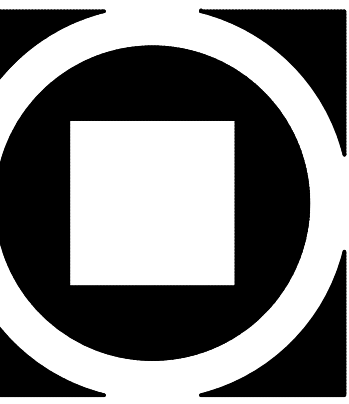
PC, 2 BEDROOM, TYPE 1B

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

NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.

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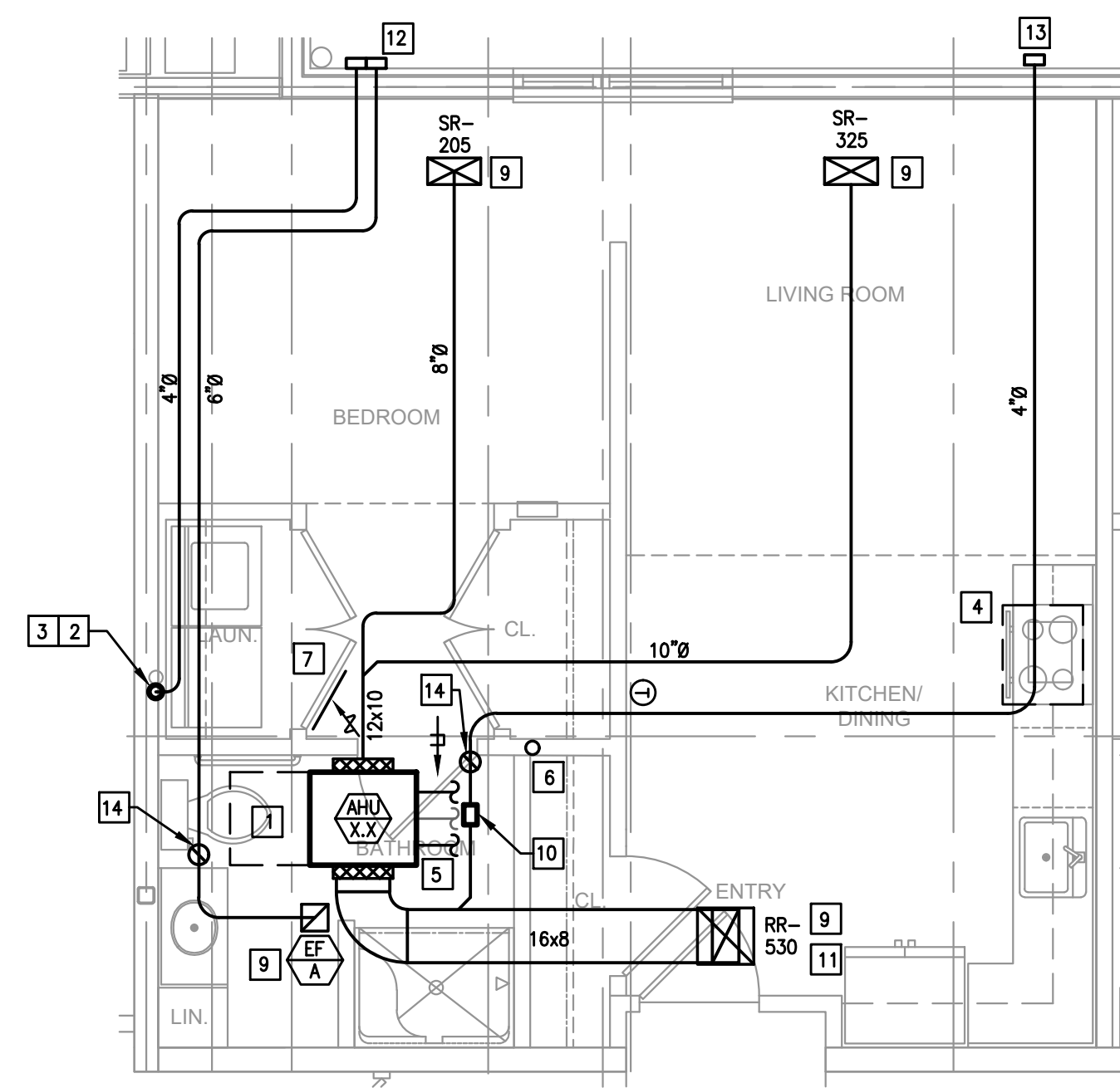


FIELD STONE @ CHESTER SPRINGS
ASSISTED LIVING FACILITY
145 BYERS RD
CHESTER SPRINGS, PA 19475

Construction Issue Date:	05/06/2022
Drawn By:	STK/G/KG
Checked By:	MW
Scale:	AS NOTED

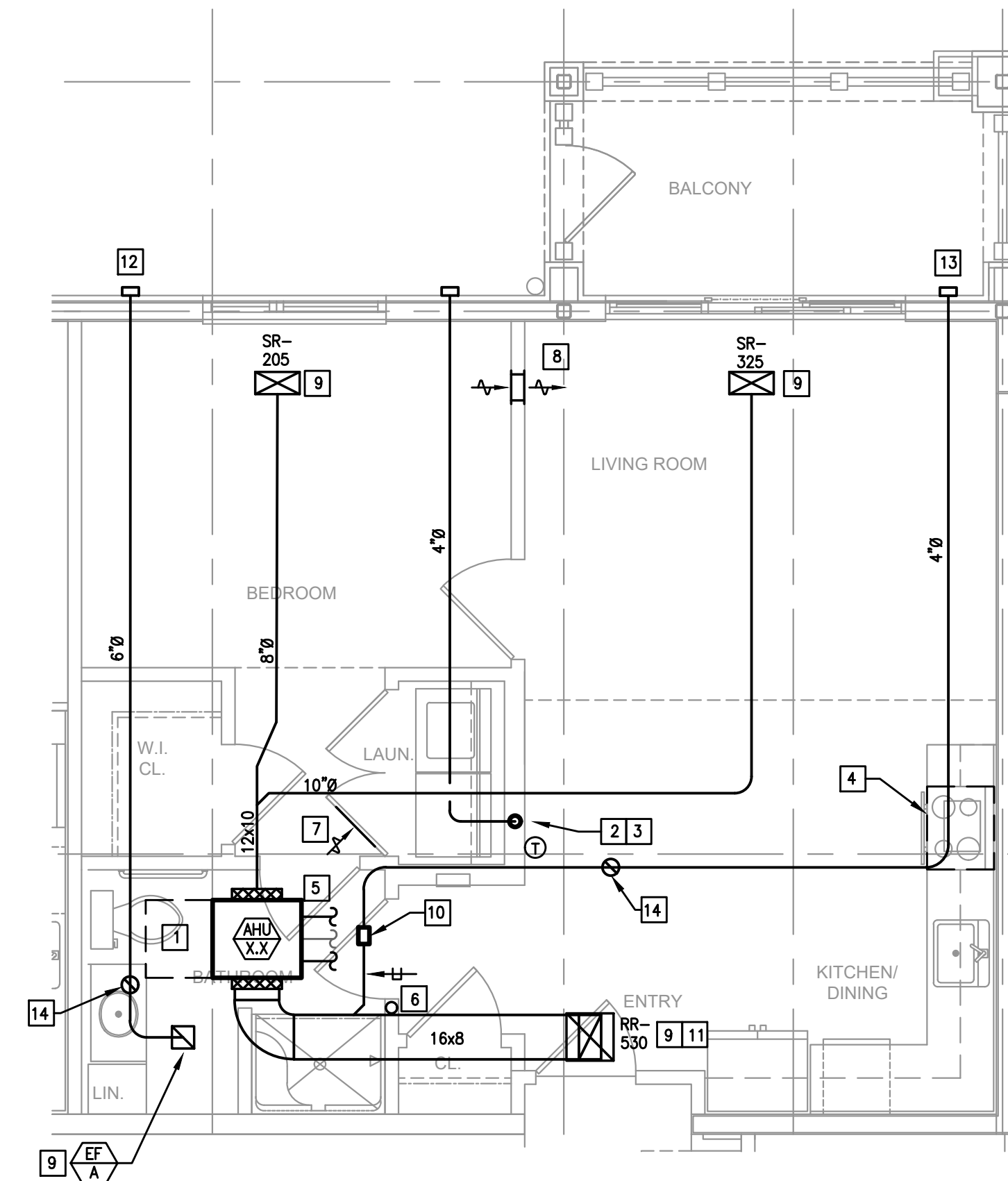
Sheet Name:	TYPICAL UNITS
Progress Prints:	05/06/2022 PERMIT/BID SET
Revisions:	ADD: 1 CONSTRUCTION SET: 07.1.22
	REVISED: 08.2.22
	BULLETIN: 8.2.23

M2.3



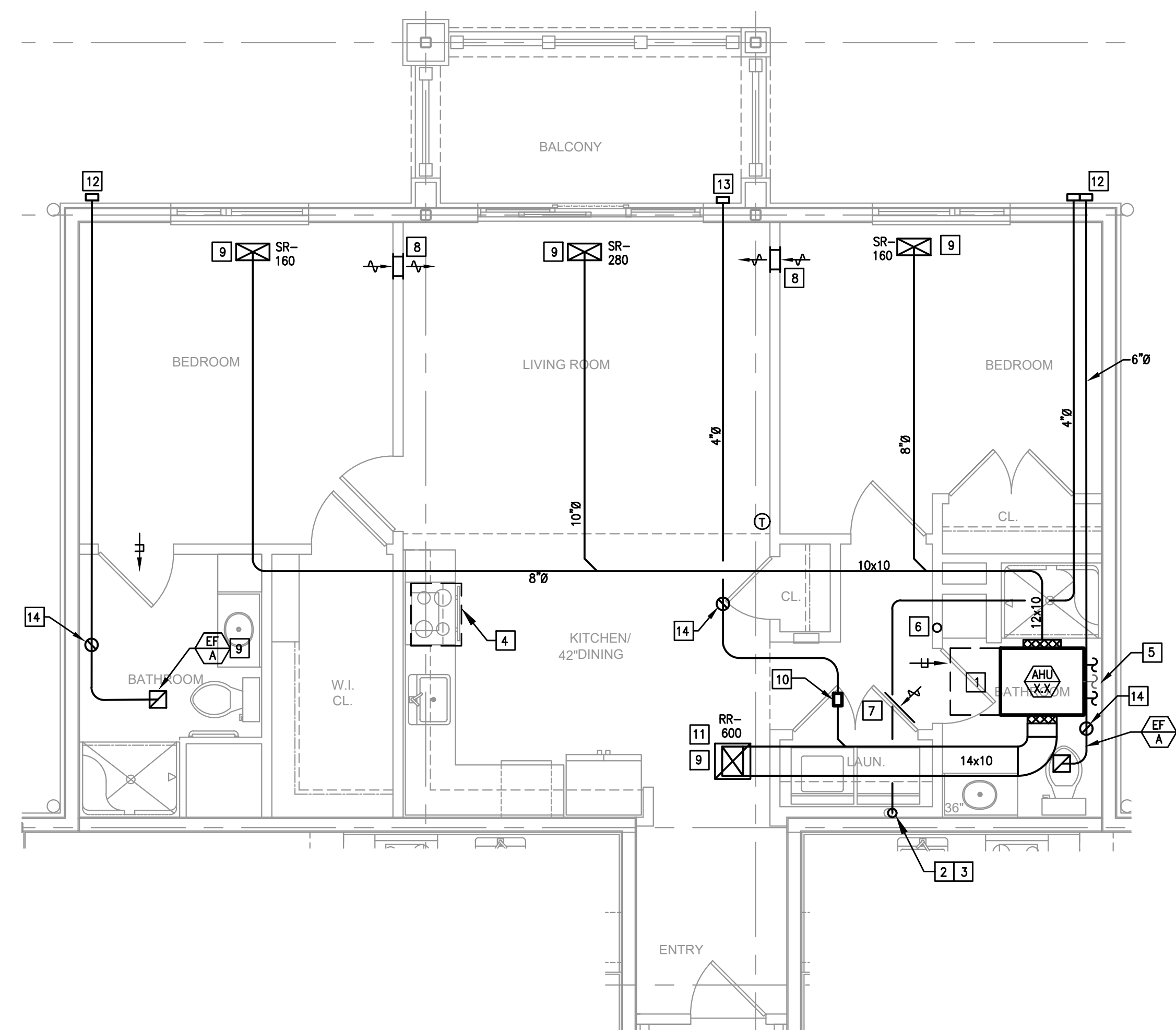
PC ENHANCED, STANDARD

SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC ENHANCED, 1 BEDROOM

SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.



PC ENHANCED, 2 BEDROOM

SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 1ST AND 2ND FLOOR UNITS.

MECHANICAL NOTES:

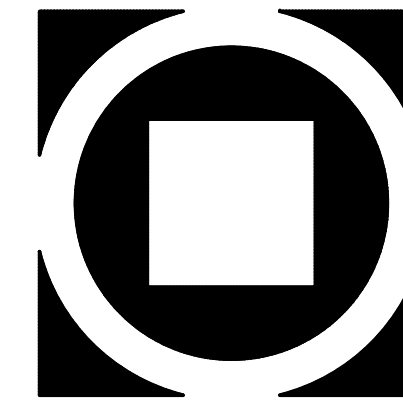
1. ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
2. DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
3. CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25 FT. CENTERS.
4. RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT. REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
5. ALL ENERGY RECOVERY DUCTWORK SHALL BE RIGID. NO FLEXIBLE AIR DUCT IS PERMITTED.
6. ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
7. SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE 24" CLEARANCE AS NOTED. NO PIPING OR DUCTWORK ALLOWED IN ACCESS SPACE.
2. 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREWS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
3. VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL, PROVIDE DRYER WALL BOX AND CLEAN-OUT IN LAUNDRY ROOM.
4. KITCHEN HOOD SHALL BE AN APPROVED RECIRCULATING HOOD PROVIDED BY GENERAL CONTRACTOR.
5. REFER TO BUILDING FLOOR PLANS FOR CONTINUATION.
6. CONDENSATE PIPING DOWN IN WALL FOR SECOND AND THIRD FLOOR LIVING UNITS, CONDENSATE TO THE DIRECTLY INTO CONDENSATE PIPING SYSTEM FOR FIRST FLOOR LIVING UNITS. REFER TO THE CONDENSATE PIPING PLANS (M1.08-M1.13) FOR PIPING LOCATIONS.
- 6.C. TO PROVIDE A LOUVERED DOOR. REFER TO THE ARCHITECTURAL PLANS. FREE AREA OF DOOR TO EQUAL DRYER MANUFACTURER'S REQUIREMENTS.
8. PROVIDE DUCTED, HIGH-LOW, 12x6 TRANSFER GRILLES EQUAL TO TITUS 350FL.
9. PROVIDE RADIANT DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
10. CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR AFB) IN BATHROOM CEILING SPACE.
11. RETURN FILTER GRILL WITH HINGE TABS. REFER TO AIR DEVICE SCHEDULE FOR SIZES.
12. VENT BATHROOM EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS, THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION).
13. OUTSIDE AIR INTAKE. 4" FOR 1 BEDROOM UNIT, 5" FOR 2 BEDROOM UNIT. SIDEWALL VENT KIT TO EQUAL X-VENT, WITH GRAVITY DAMPER (SINGLE).
14. DUCT UP, TO RUN IN TRUSSES.
15. VENT BATHROOM EXHAUST UP TO COCKSNECK ON ROOF.
16. OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.

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CHESTER SPRINGS, PA 19475

Construction Issue Date:
Drawn By: STK/GKG
Checked By: MW
Scale: AS NOTED

Sheet Name: TYPICAL UNITS	Revisions:
Progress Prints:	
05.06.2022 PERMIT/BID SET	▲
ADD 1 CONSTRUCTION SET 07.1.22	▲
REV ISSUE 08.22	▲

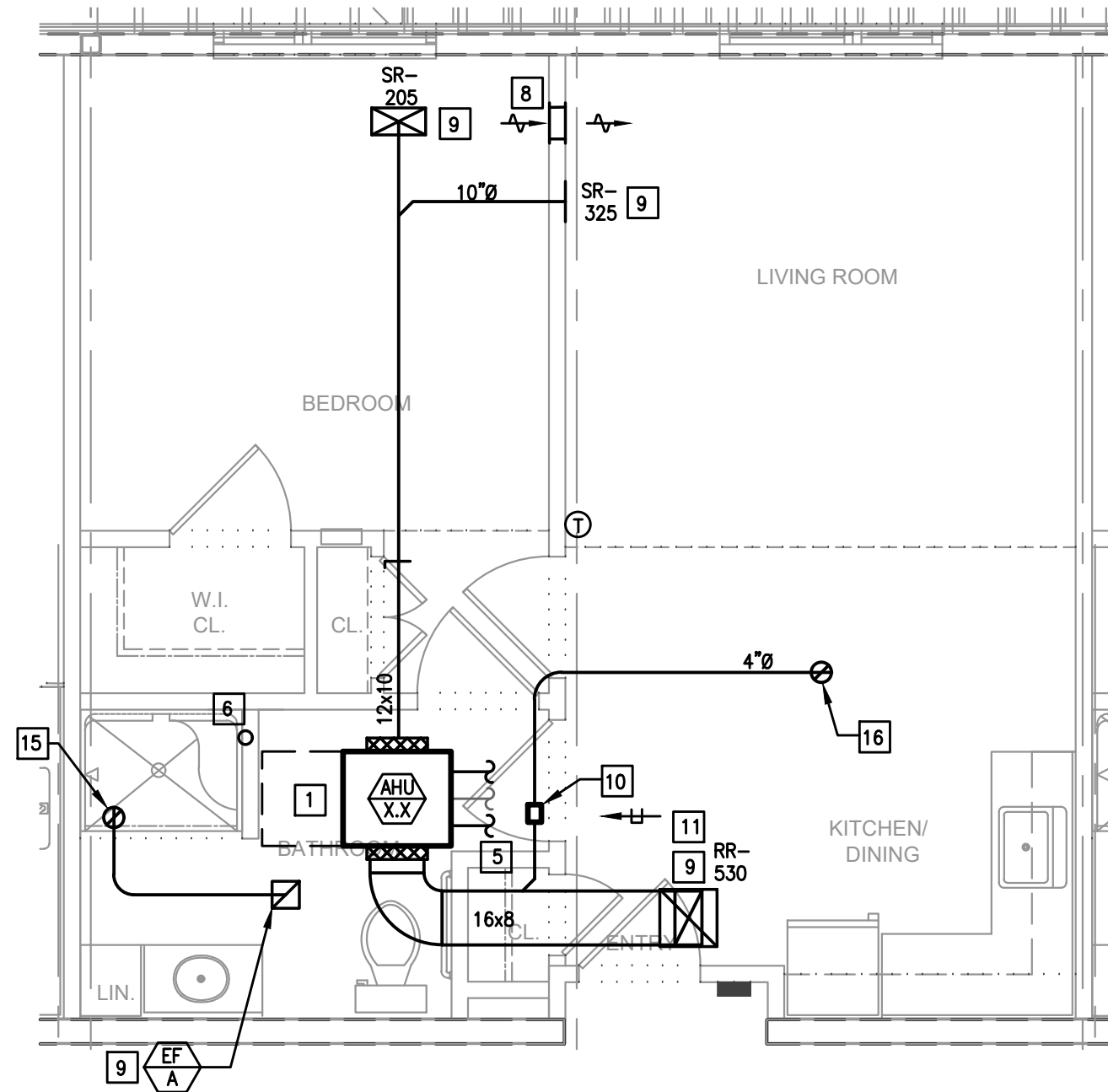
M2.4

REVISED
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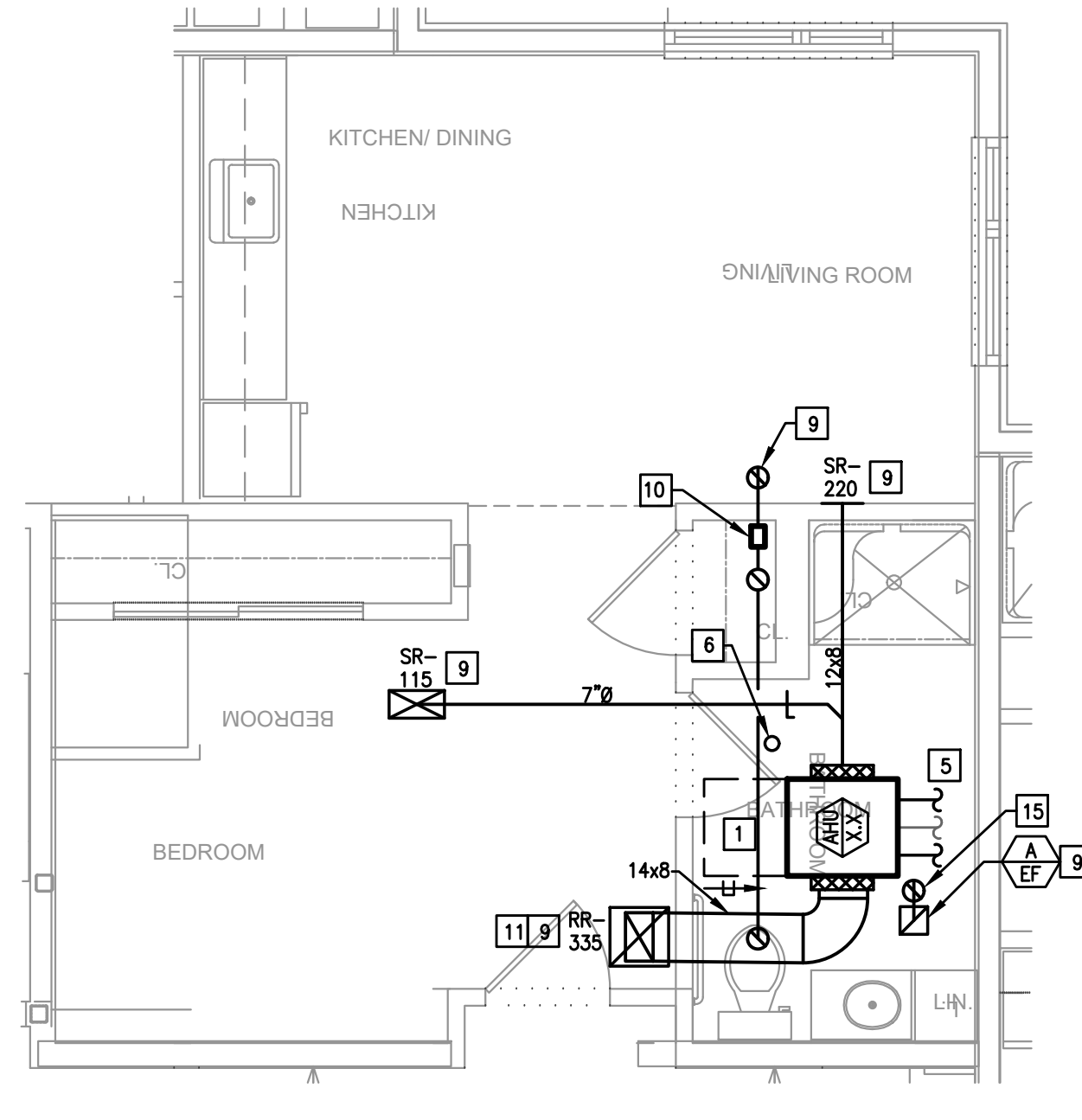
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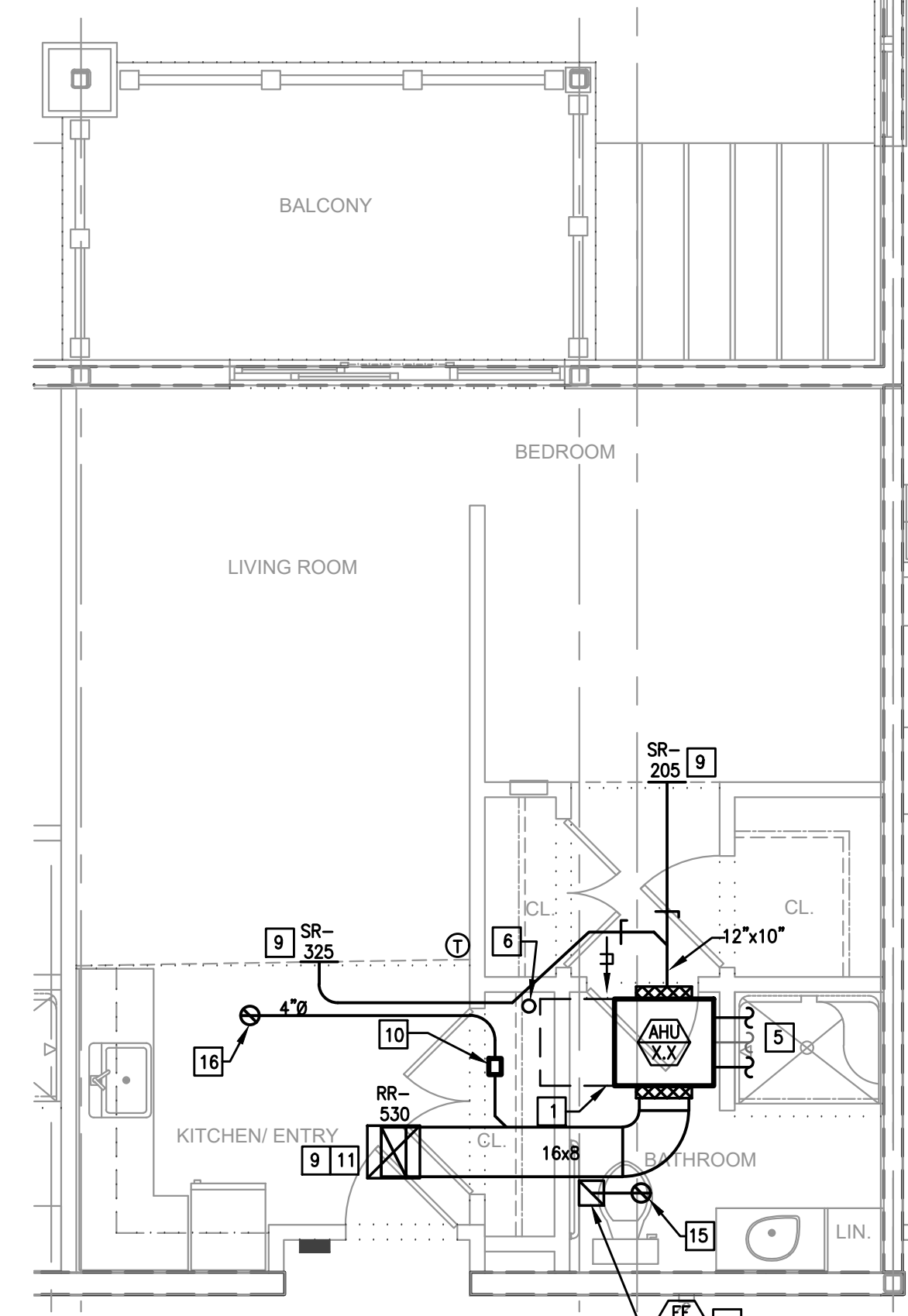
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- PROVIDE RADIANT DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
- CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR A48) IN BATHROOM CEILING SPACE.
- RETURN FILTER GRILL WITH HINGE TABS, REFER TO AIR DEVICE SCHEDULE FOR SIZES.
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- DUCT UP, TO RUN IN TRUSSES.
- VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
- OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.



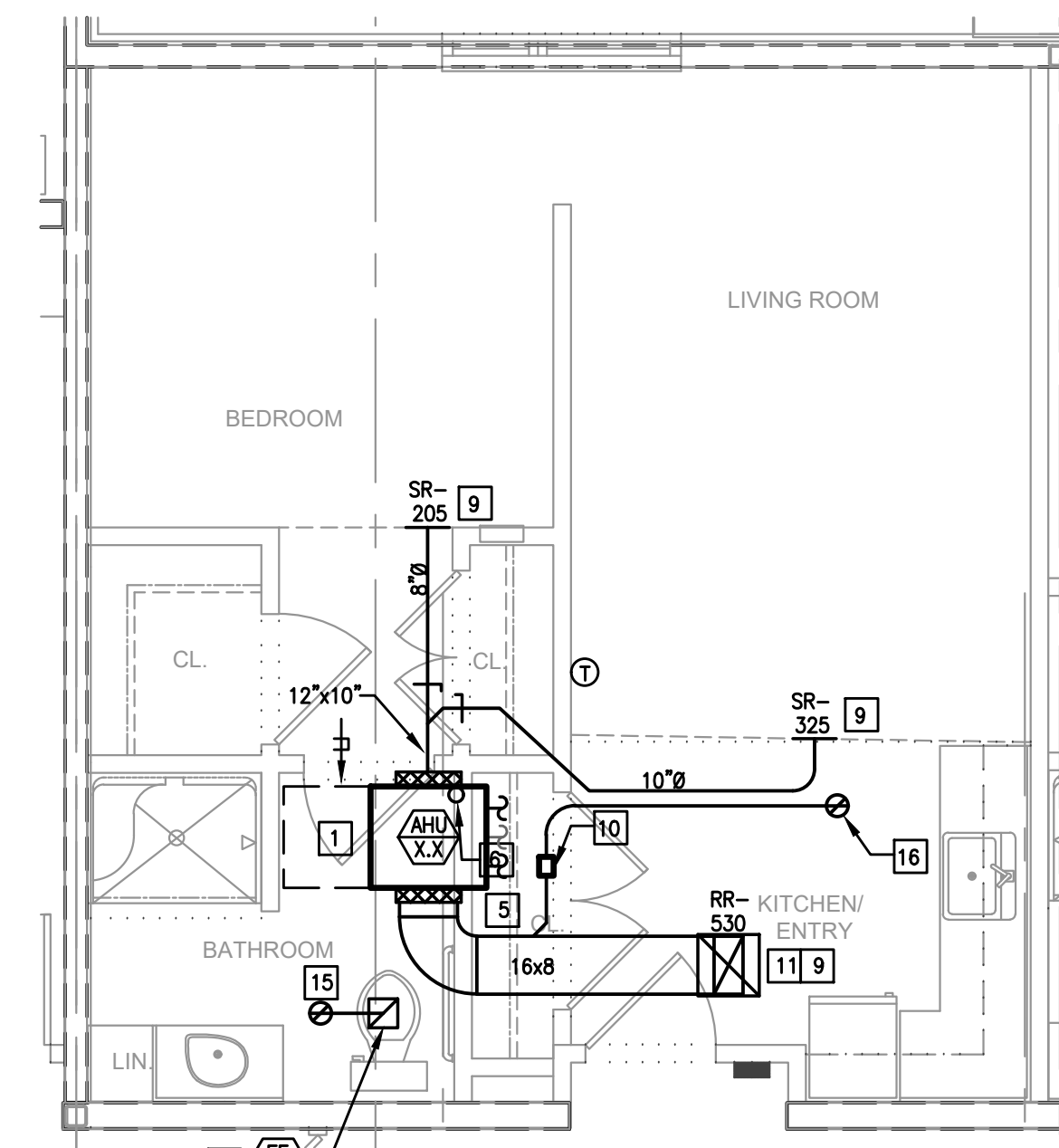
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SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



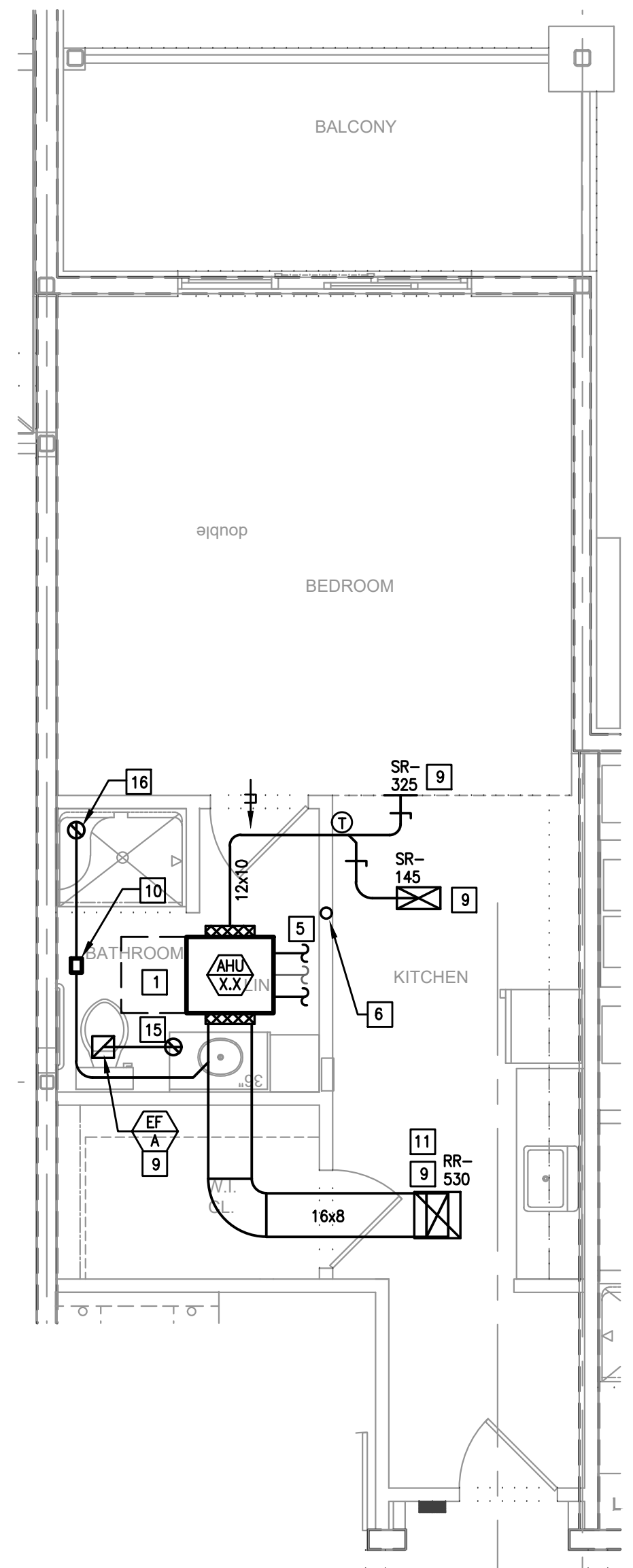
PC, STANDARD, TYPE 2
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



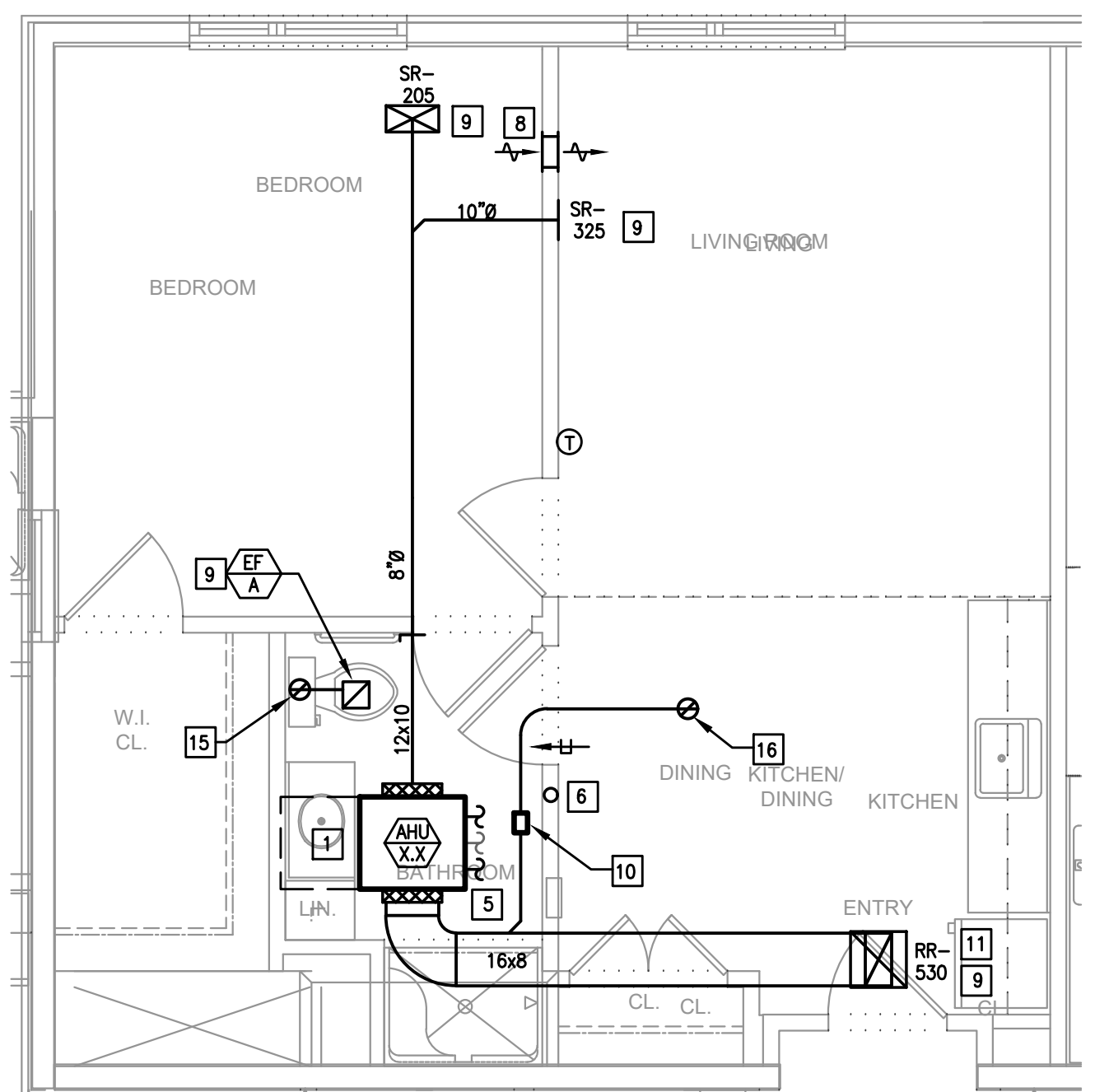
PC, STANDARD, TYPE 3A
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



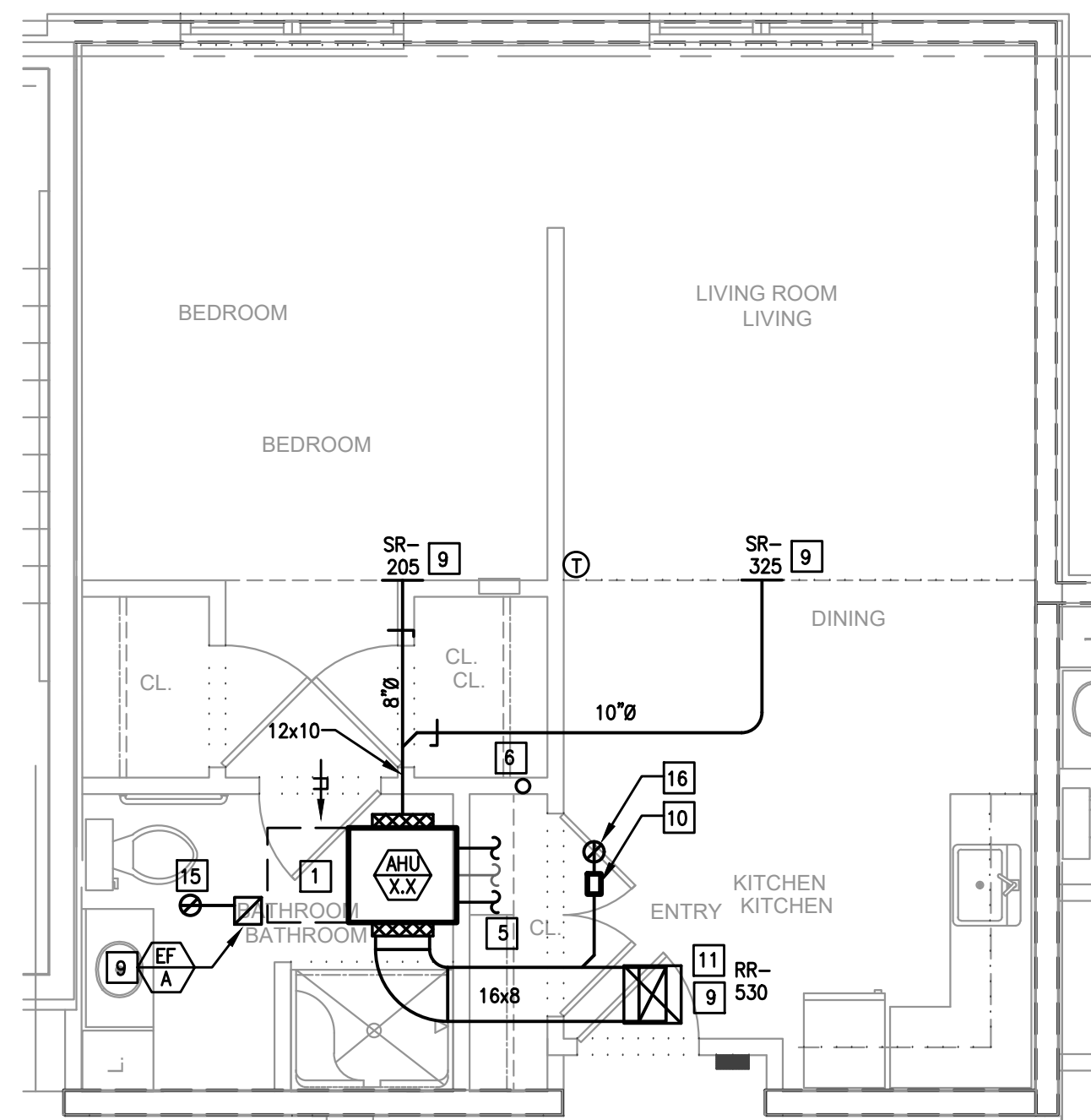
PC, STANDARD, TYPE 3B
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



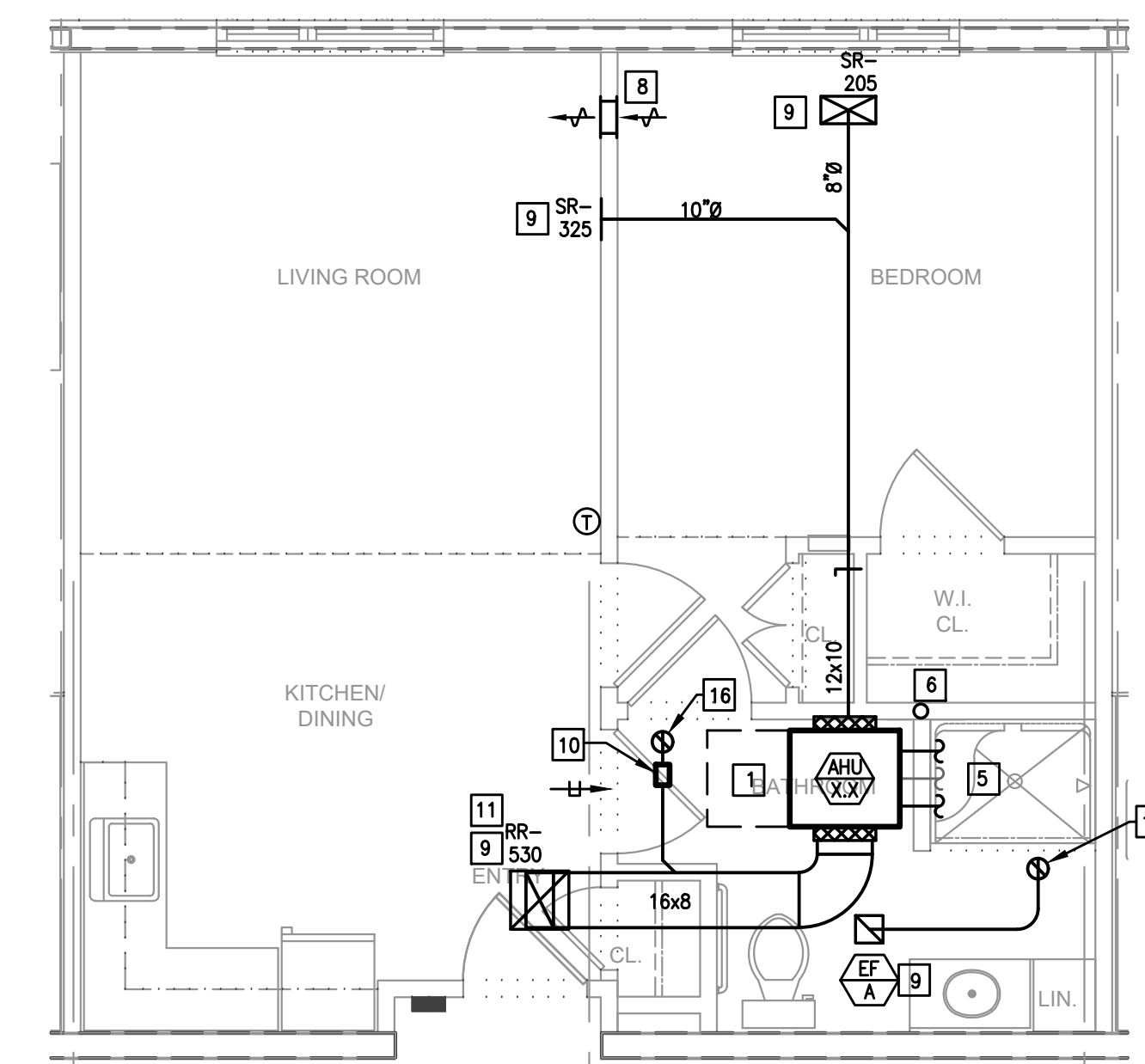
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NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



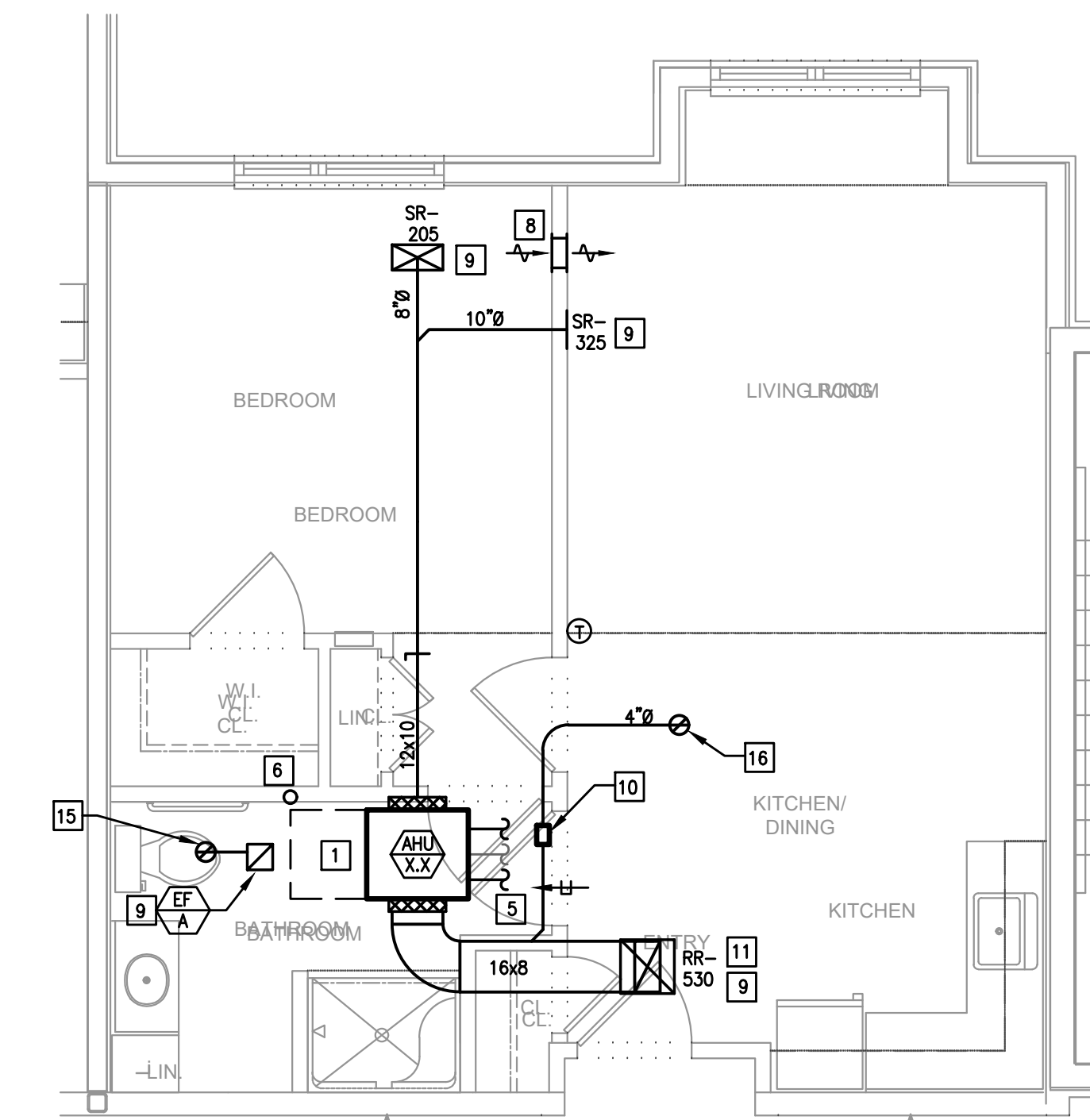
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SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE 3B
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE 3C
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE D
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.

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FIELD STONE @ CHESTER SPRINGS
ASSISTED LIVING FACILITY
145 BYERS RD
CHESTER SPRINGS, PA 19475

Construction Issue Date: 05.06.2022 PERMIT/BID SET
Drawn By: STK/G/KG
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Revisions:
ADD: CONSTRUCTION SET 07.1.22
REVISE: 08.1.22

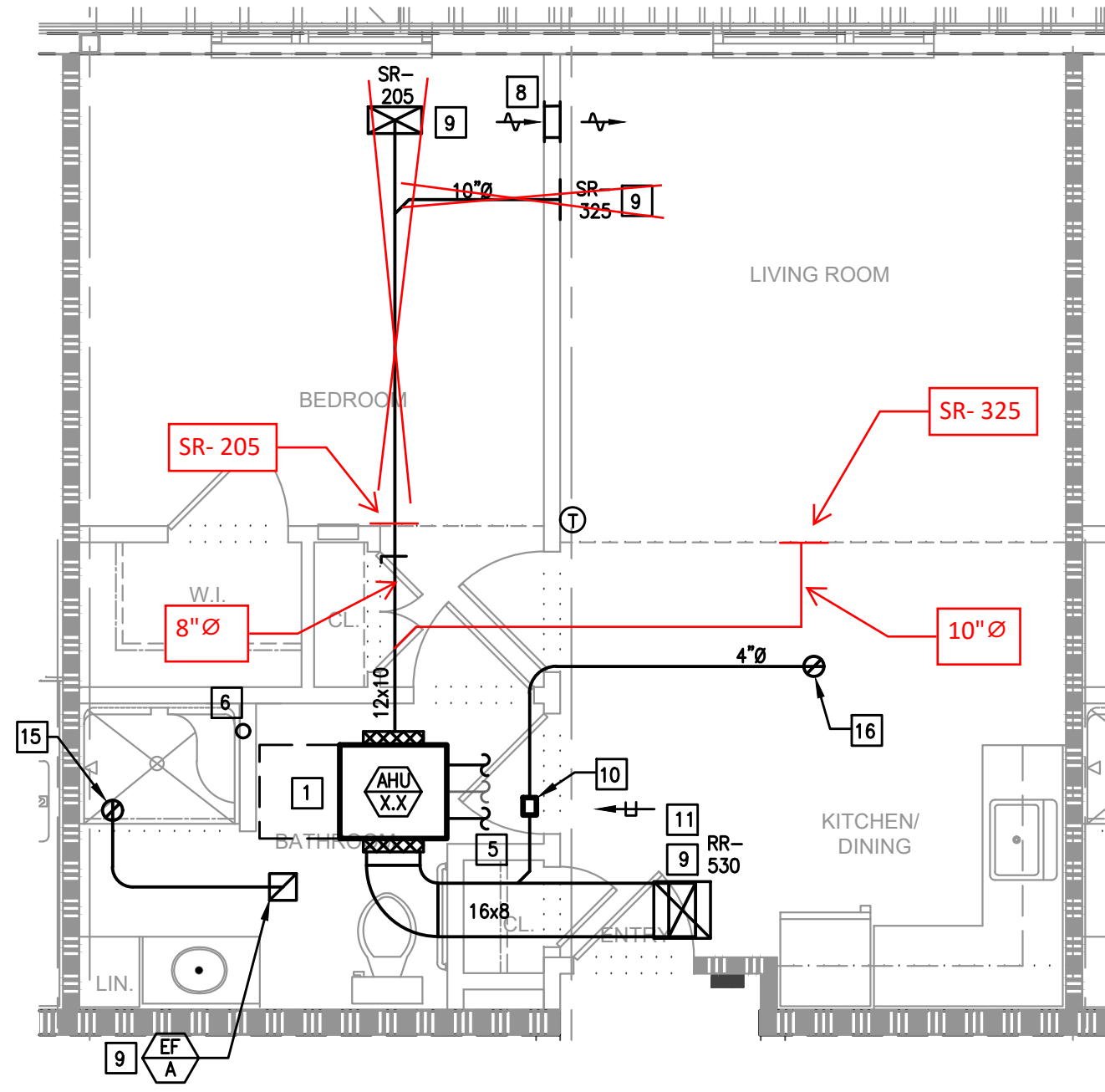
M2.5

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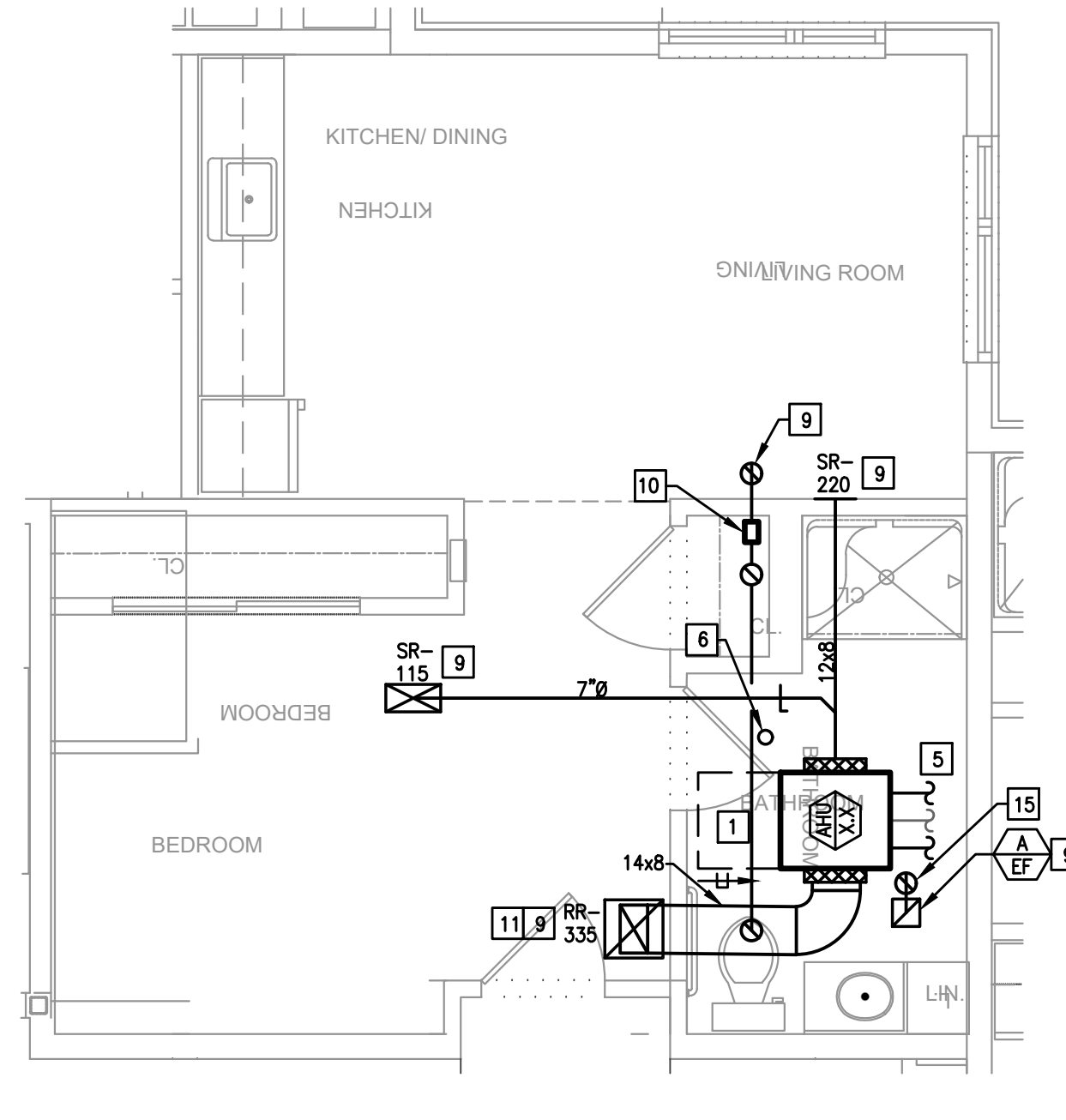
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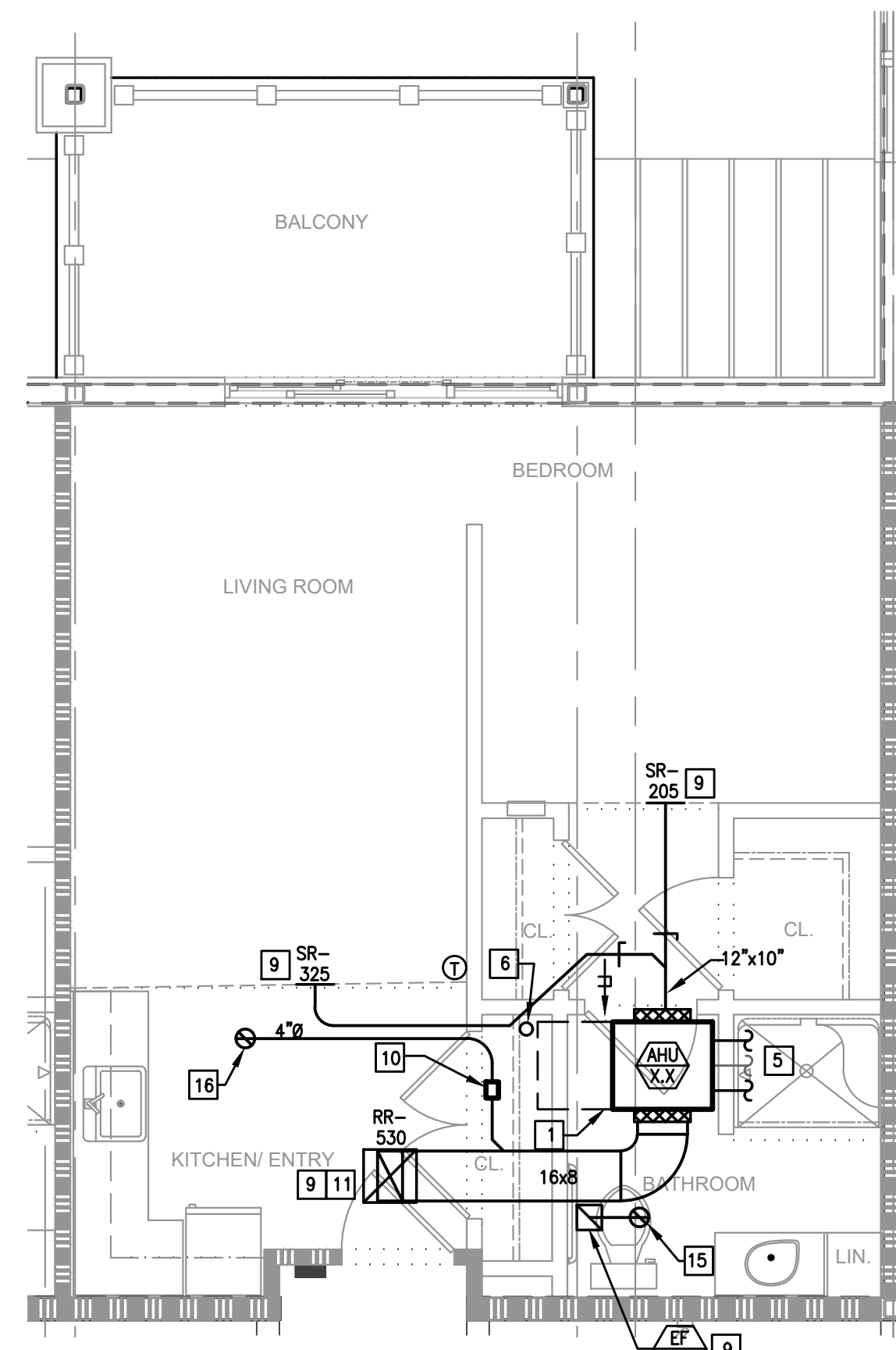
For the third floor units, ductwork is to be removed when shown where a drop ceiling is not located. Air devices are to be located sidewall where the ceilings transition from drop ceilings to the higher ceilings below structure. Refer to markups for routing, sizes, and CFMs.



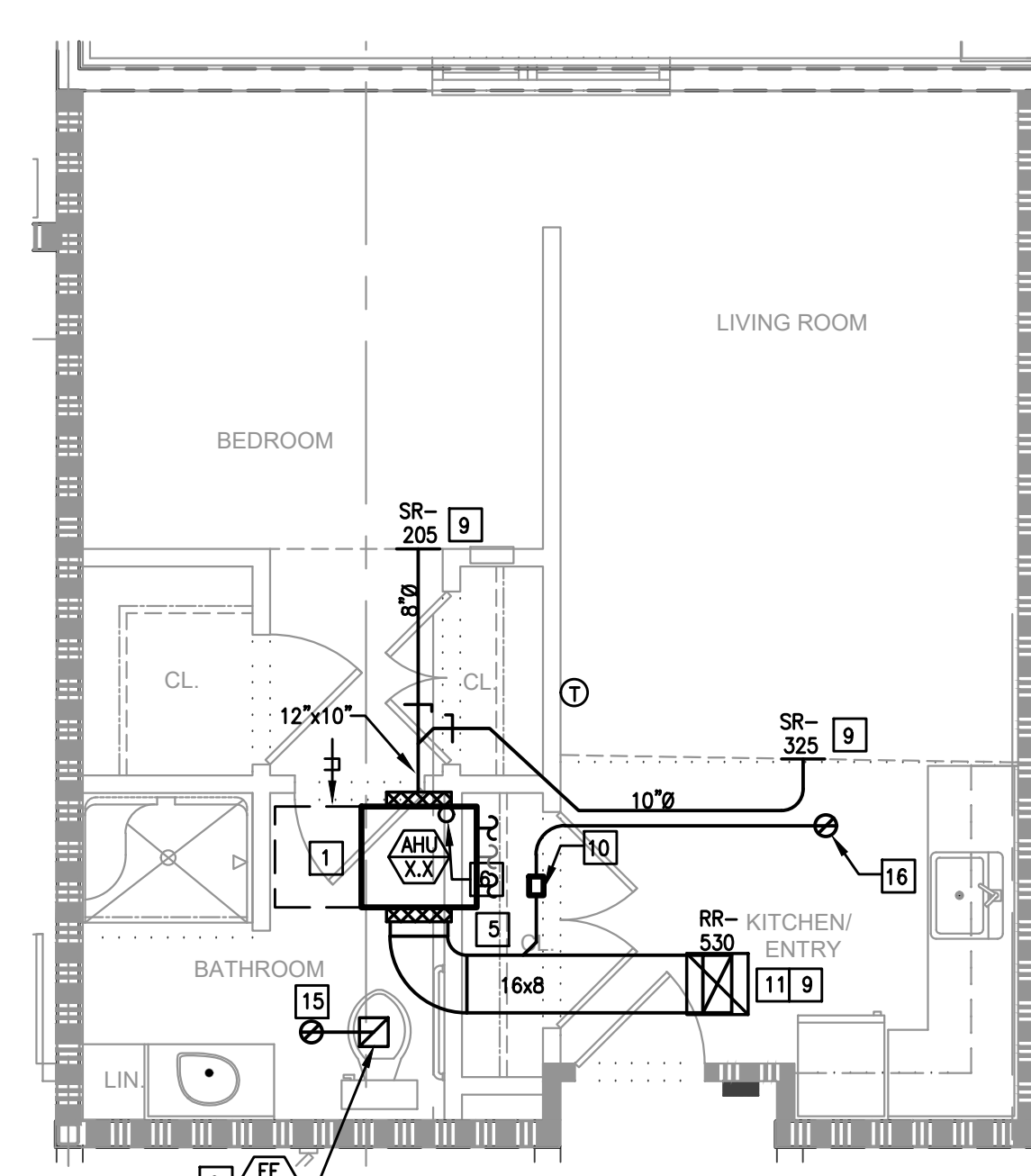
PC, 1 BEDROOM TYPE 1
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



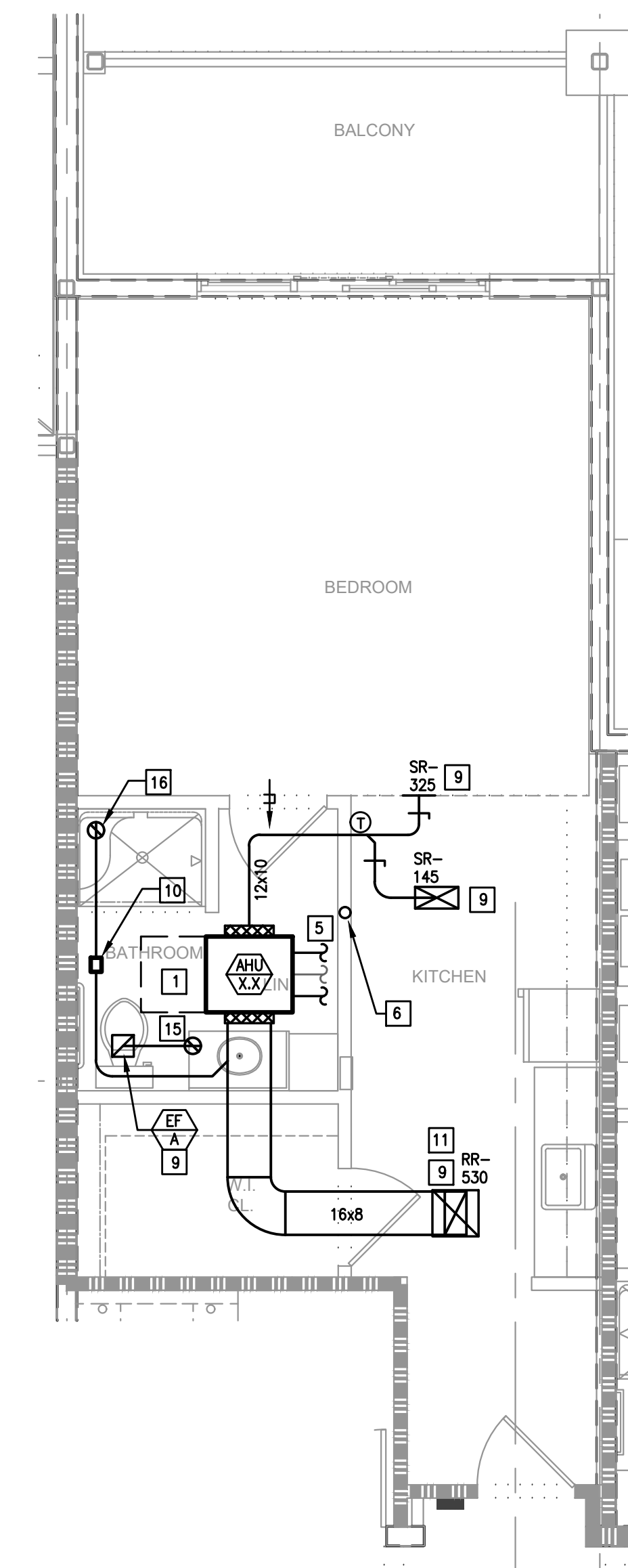
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NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



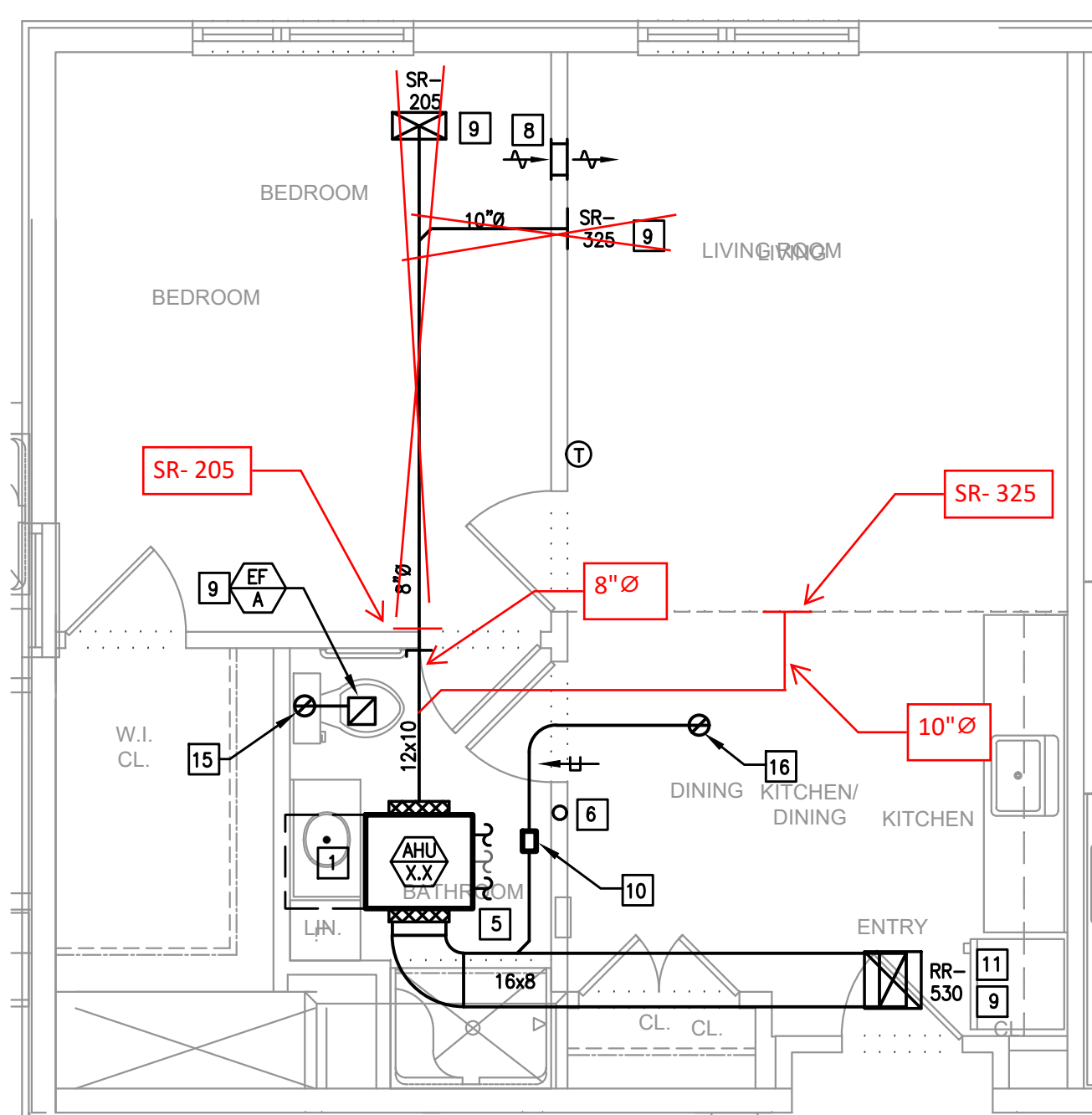
PC, STANDARD, TYPE 3A
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



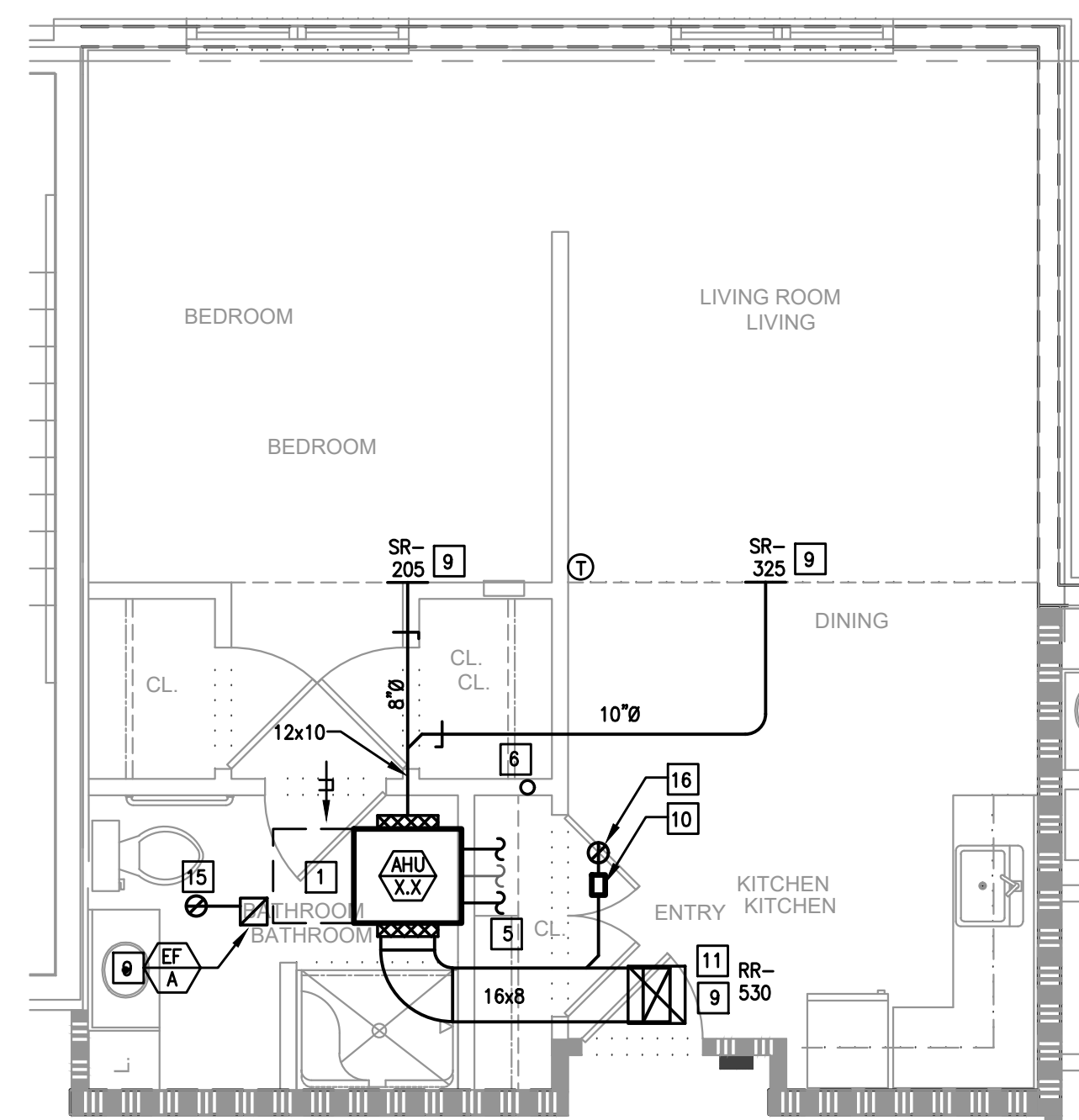
PC, STANDARD, TYPE 3B
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



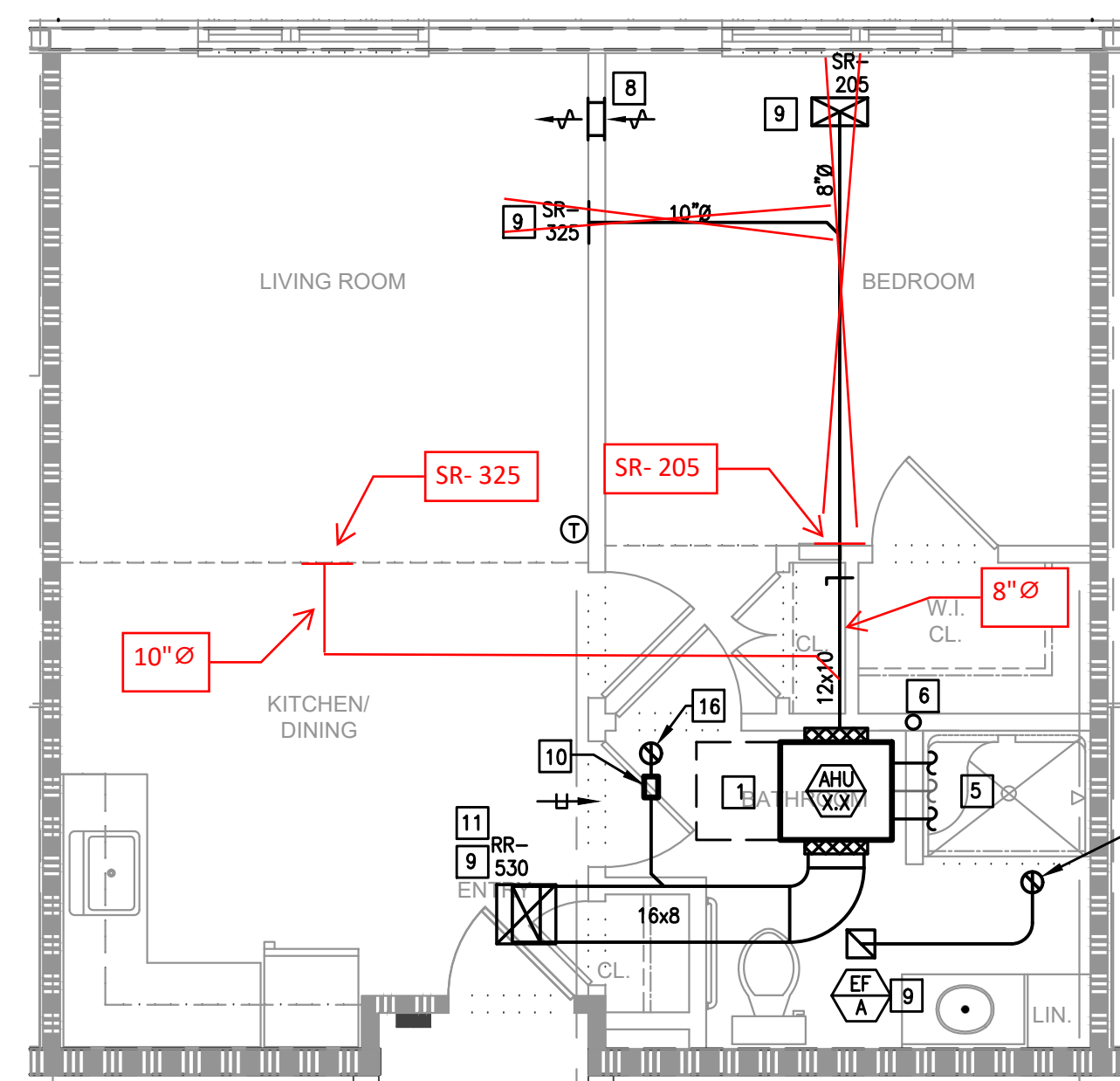
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NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



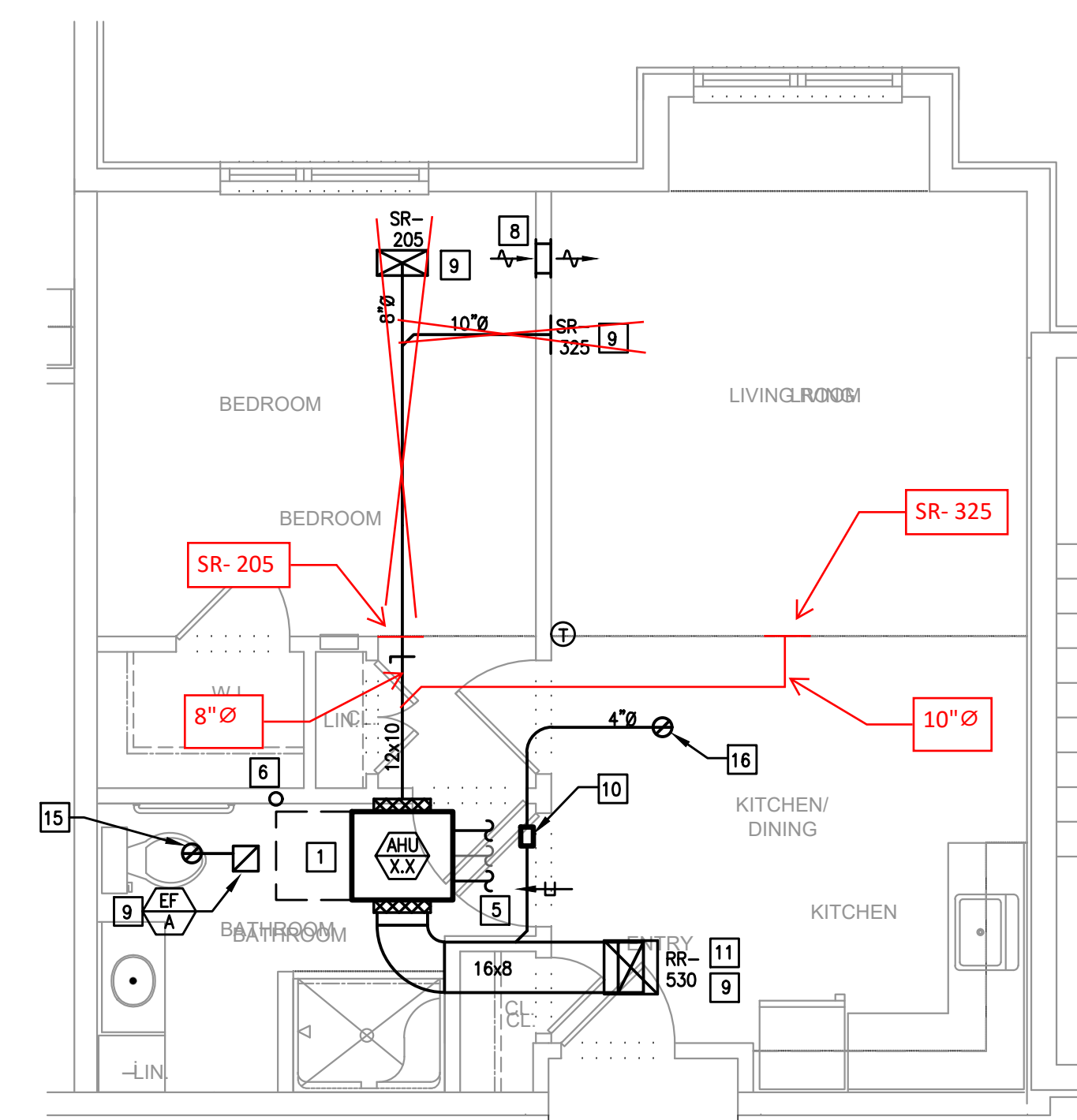
PC, 1 BEDROOM, TYPE 3A
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE 3B
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE 3C
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 1 BEDROOM, TYPE D
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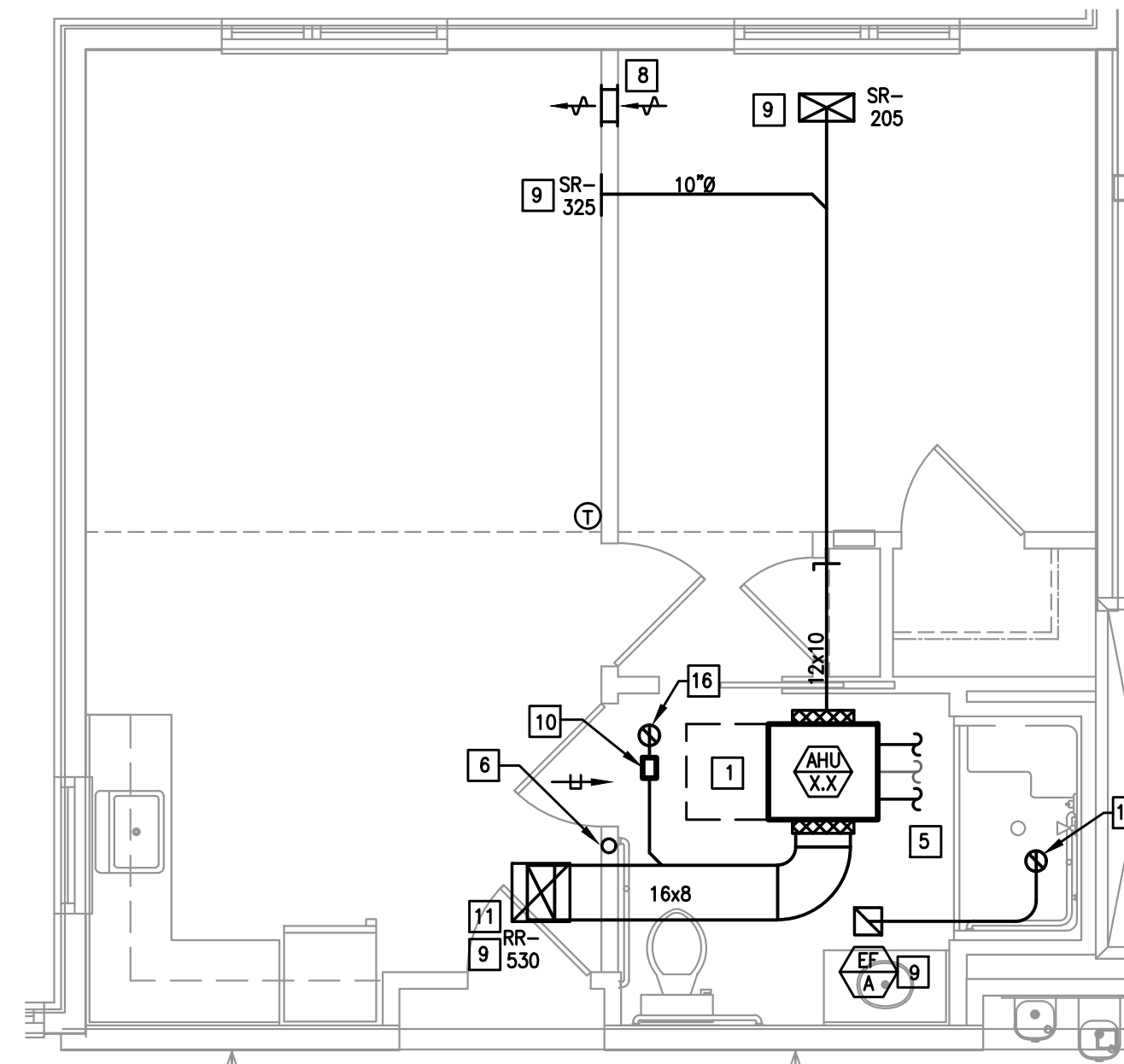
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Progress Prints:	05.06.2022 PERMIT/BID SET												
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2													
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ADD: 1 CONSTRUCTION SET 07.1.22													
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REVISED

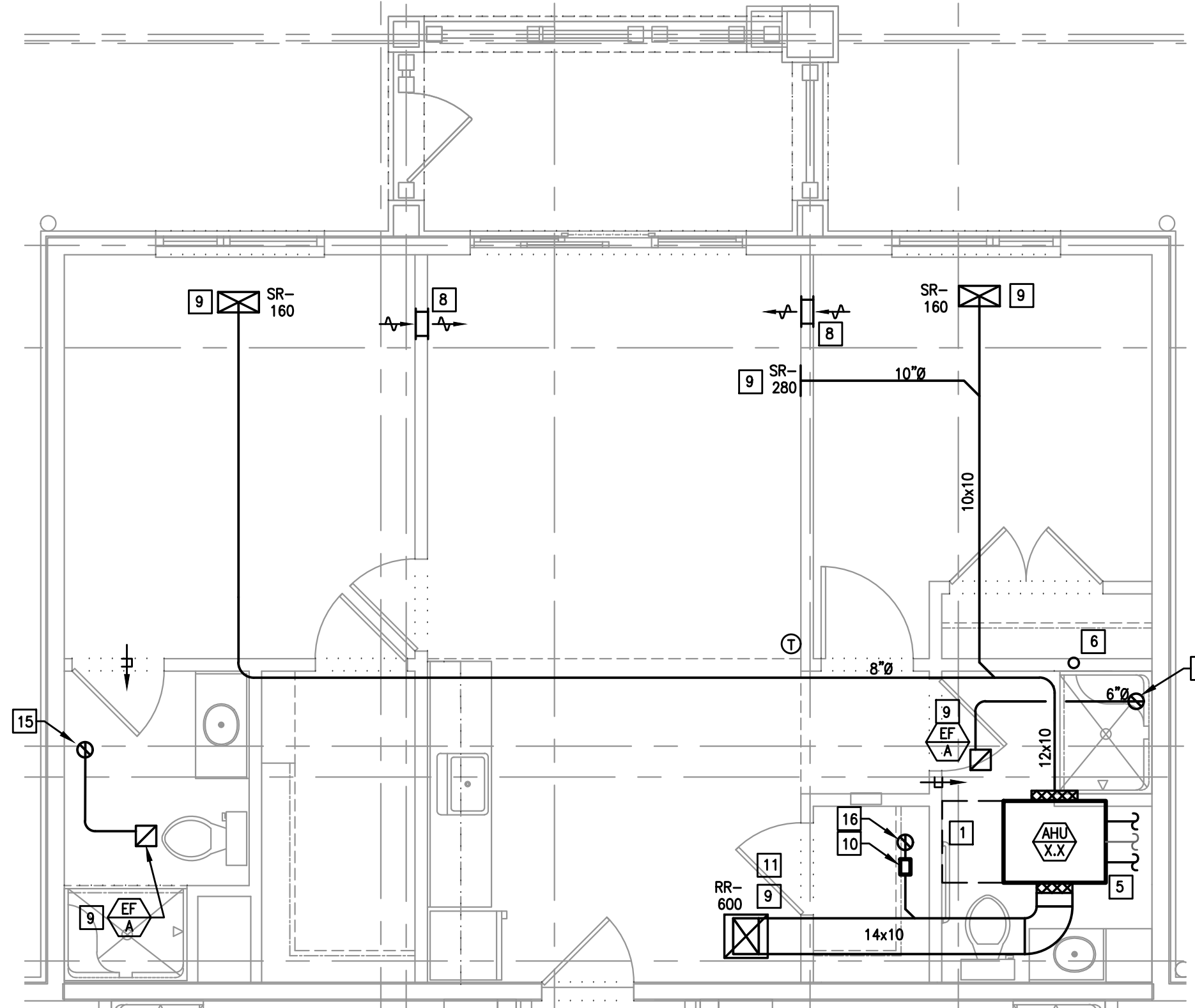
12:54 pm, Dec 04, 2023



PC, 1 BEDROOM, TYPE 4, ACCESSIBLE

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

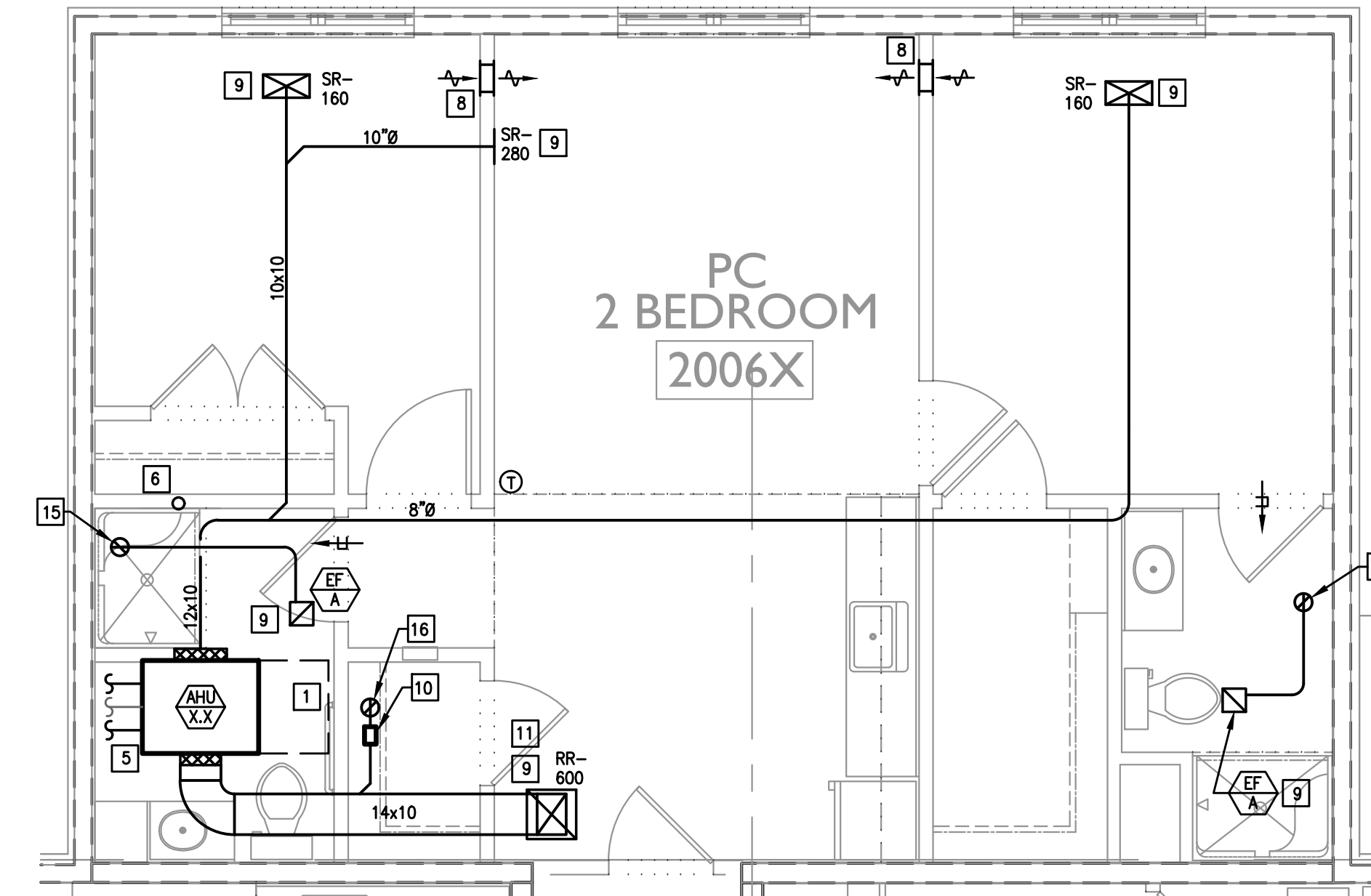
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 2 BEDROOM, TYPE 1A

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

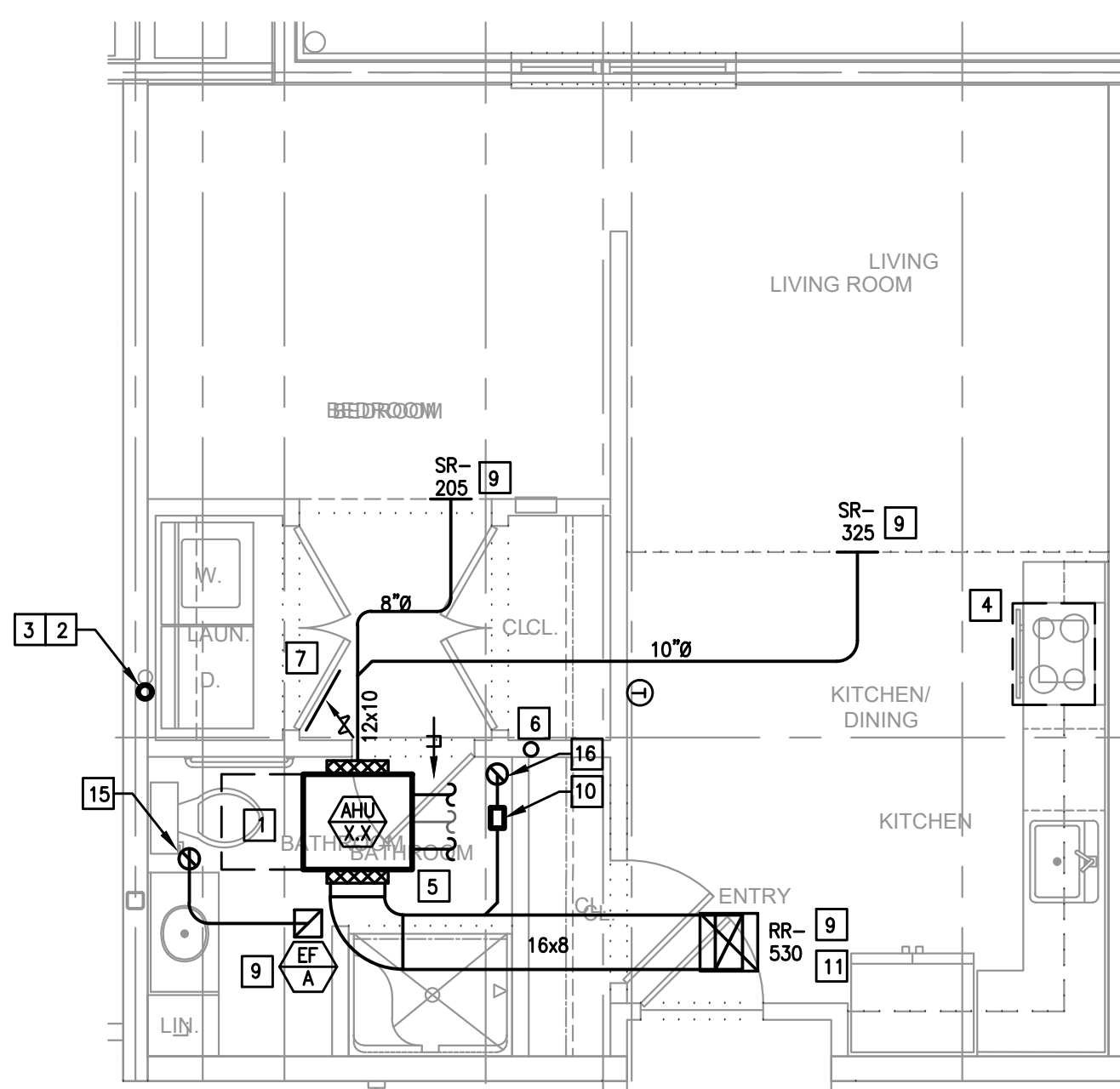
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC, 2 BEDROOM, TYPE 1B

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

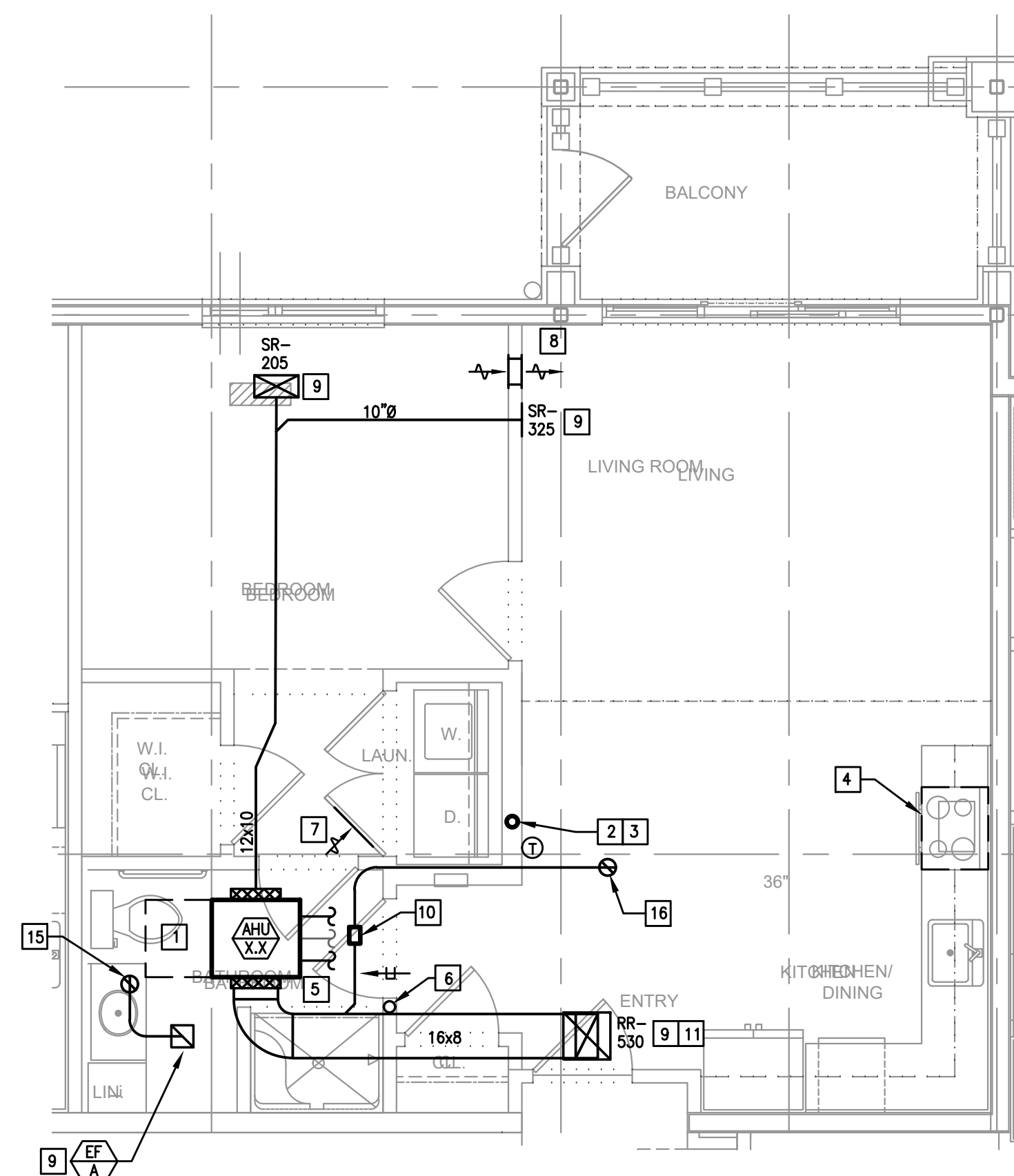
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, STANDARD

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

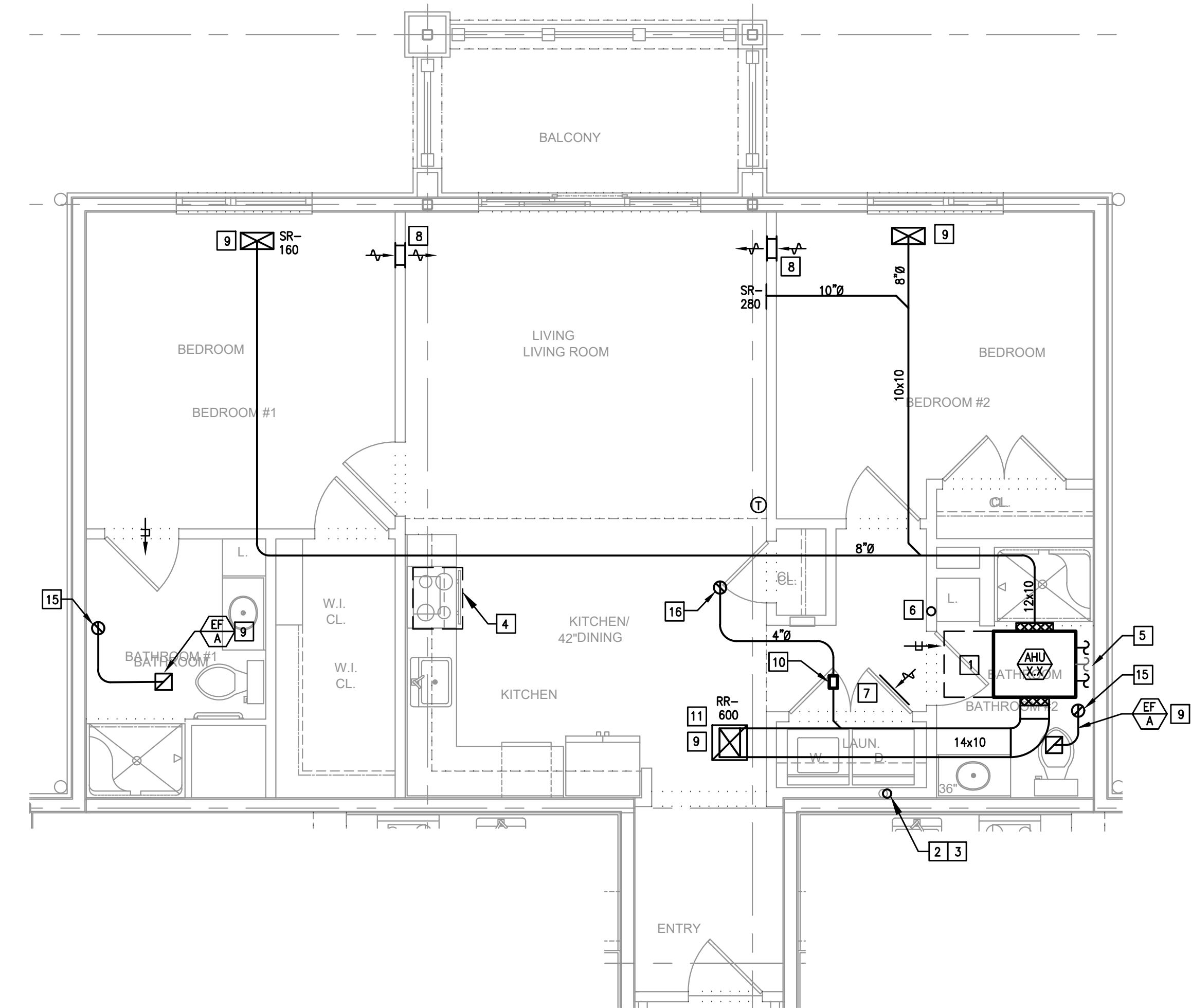
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, 1 BEDROOM

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

NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, 2 BEDROOM

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

NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.

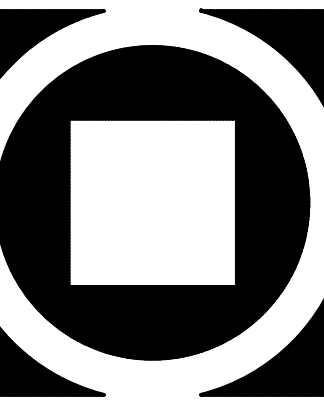
- MECHANICAL NOTES:**
- ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
 - DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 - CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25 FT. CENTERS.
 - RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT, REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
 - ALL ENERGY RECOVERY DUCTWORK SHALL BE RIGID. NO FLEXIBLE AIR DUCT IS PERMITTED.
 - ALL EXHAUSTS AND VENT TERMINALS FROM APARTMENTS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND AT LEAST 3'-0" FROM ANY OPERABLE PORTION OF A WINDOW.
 - SHARP THROAT, RADIUS HELD 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.

- CONSTRUCTION NOTES:**
- CONTRACTOR SHALL PROVIDE 24" CLEARANCE AS NOTED. NO PIPING OR DUCTWORK ALLOWED IN ACCESS SPACE.
 - 4" DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF 26 GAUGE SHEET METAL. NO SCREENS ARE ALLOWED TO PROTRUDE THROUGH THE DUCT.
 - VENT DRYER EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS. THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION). PER DETAIL. PROVIDE DRYER WALL BOX AND CLEAN OUT IN LAUNDRY ROOM.
 - KITCHEN HOOD SHALL BE AN APPROVED RECIRCULATING HOOD PROVIDED BY GENERAL CONTRACTOR.
 - REFER TO BUILDING FLOOR PLANS FOR CONTINUATION.
 - CONDENSATE PIPING DOWN IN WALL FOR SECOND AND THIRD FLOOR LIVING UNITS. CONDENSATE TO BE DIRECTLY INTO CONDENSATE PIPING SYSTEM FOR FIRST FLOOR LIVING UNITS. REFER TO THE CONDENSATE PIPING PLANS (M1.08-M1.13) FOR PIPING LOCATIONS.
 - C.C. TO PROVIDE A LOWERED DOOR. REFER TO THE ARCHITECTURAL PLANS. FREE AREA OF DOOR TO EQUAL DRYER MANUFACTURER'S REQUIREMENTS.

- PROVIDE DUCTED, HIGH-LOW, 12x6 TRANSFER GRILLES EQUAL TO TITUS 350FL.
- PROVIDE RADIAN DAMPER AND FIRE BLANKETING AT PENETRATION OF RATED CEILING ASSEMBLY IN ORDER TO MAINTAIN RATING.
- CONSTANT AIR FLOW REGULATOR (AMERICAN ALDES OR A48) IN BATHROOM CEILING SPACE.
- RETURN FILTER GRILL WITH HINGE TABS. REFER TO AIR DEVICE SCHEDULE FOR SIZES.
- VENT BATHROOM EXHAUST THROUGH SIDEWALL FOR FIRST AND SECOND FLOOR UNITS. THRU ROOF FOR THIRD FLOOR UNIT. SIDEWALL TERMINATION KIT TO EQUAL X-VENT (SINGLE/COMBINATION).
- OUTSIDE AIR INTAKE. 4" FOR 1 BEDROOM UNIT. 5" FOR 2 BEDROOM UNIT. SIDEWALL VENT KIT TO EQUAL X-VENT, WITH GRAVITY DAMPER (SINGLE).
- DUCT UP, TO RUN IN TRUSSES.
- VENT BATHROOM EXHAUST UP TO GOOSENECK ON ROOF.
- OUTSIDE AIR INTAKE UP TO ROOF WITH GRAVITY DAMPER.

NOTICE
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NOTICE
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Blue Bell, PA 19422
Phone: 610.834.7805
Facsimile: 610.834.7815
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FIELD STONE @ CHESTER SPRINGS
ASSISTED LIVING FACILITY
145 BYERS RD
CHESTER SPRINGS, PA 19475

Construction Issue Date:	05/06/2022
Drawn By:	STK/GKG
Checked By:	MW
Scale:	AS NOTED

Sheet Name:	TYPICAL UNITS									
Progress Prints:	05/06/2022 PERMIT/BID SET									
Revisions:	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td></td> <td>ADD 1 CONSTRUCTION SET 07.1.22</td> </tr> <tr> <td>2</td> <td></td> <td>REV ISSUE 08.22</td> </tr> </table>	NO.	DATE	DESCRIPTION	1		ADD 1 CONSTRUCTION SET 07.1.22	2		REV ISSUE 08.22
NO.	DATE	DESCRIPTION								
1		ADD 1 CONSTRUCTION SET 07.1.22								
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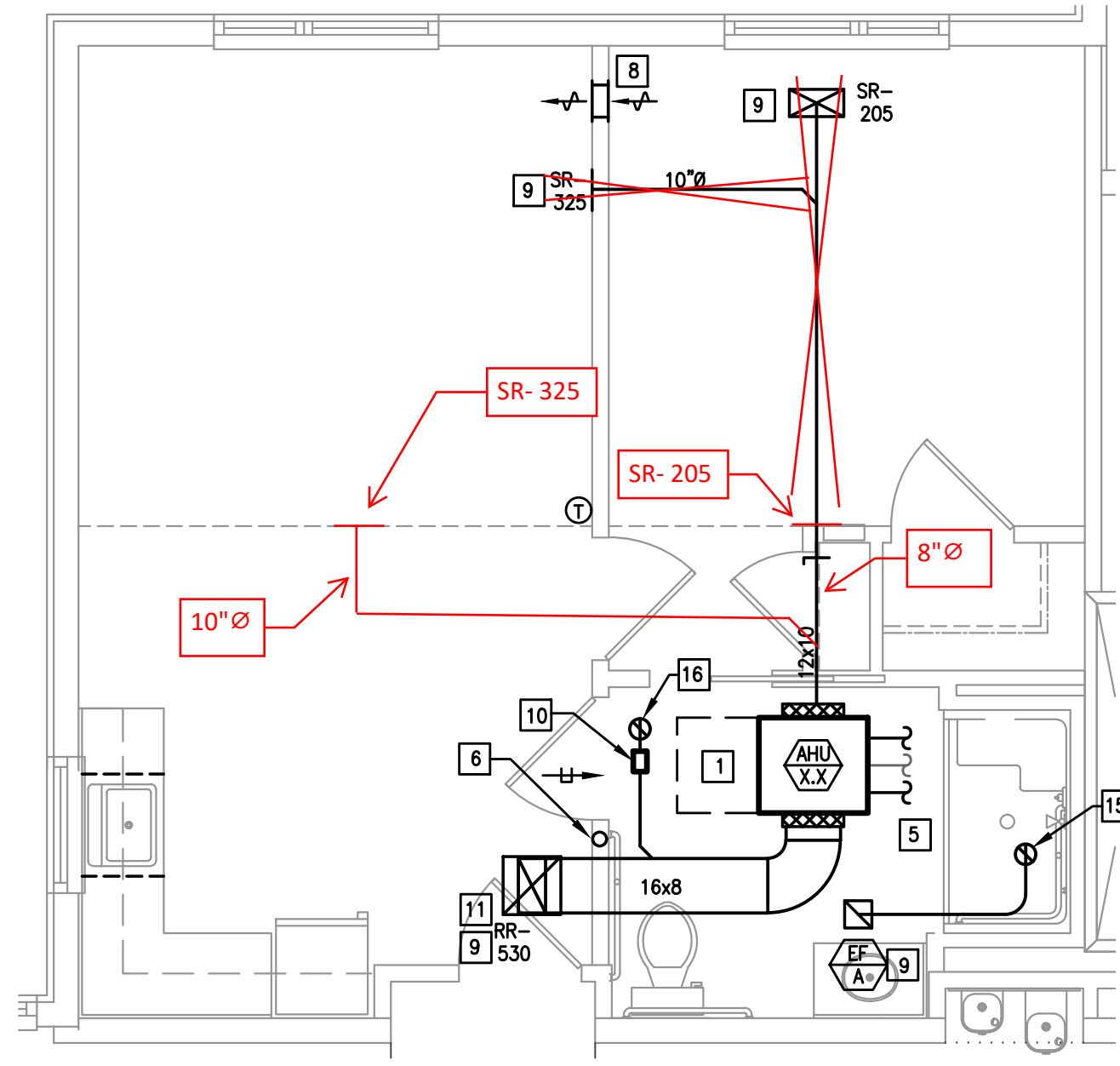
M2.6

For the third floor units, ductwork is to be removed when shown where a drop ceiling is not located. Air devices are to be located sidewall where the ceilings transition from drop ceilings to the higher ceilings below structure. Refer to markups for routing, sizes, and CFMs.

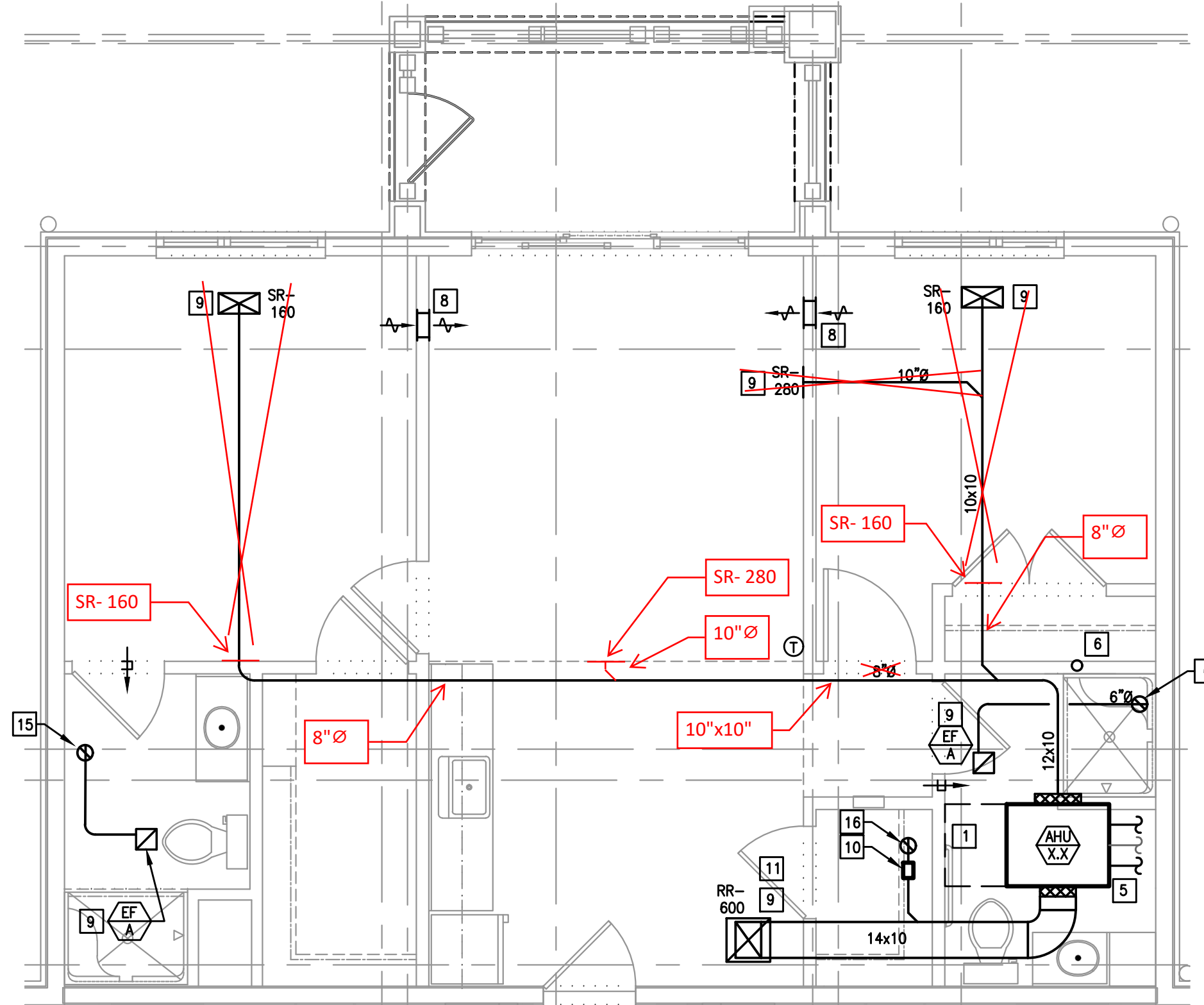
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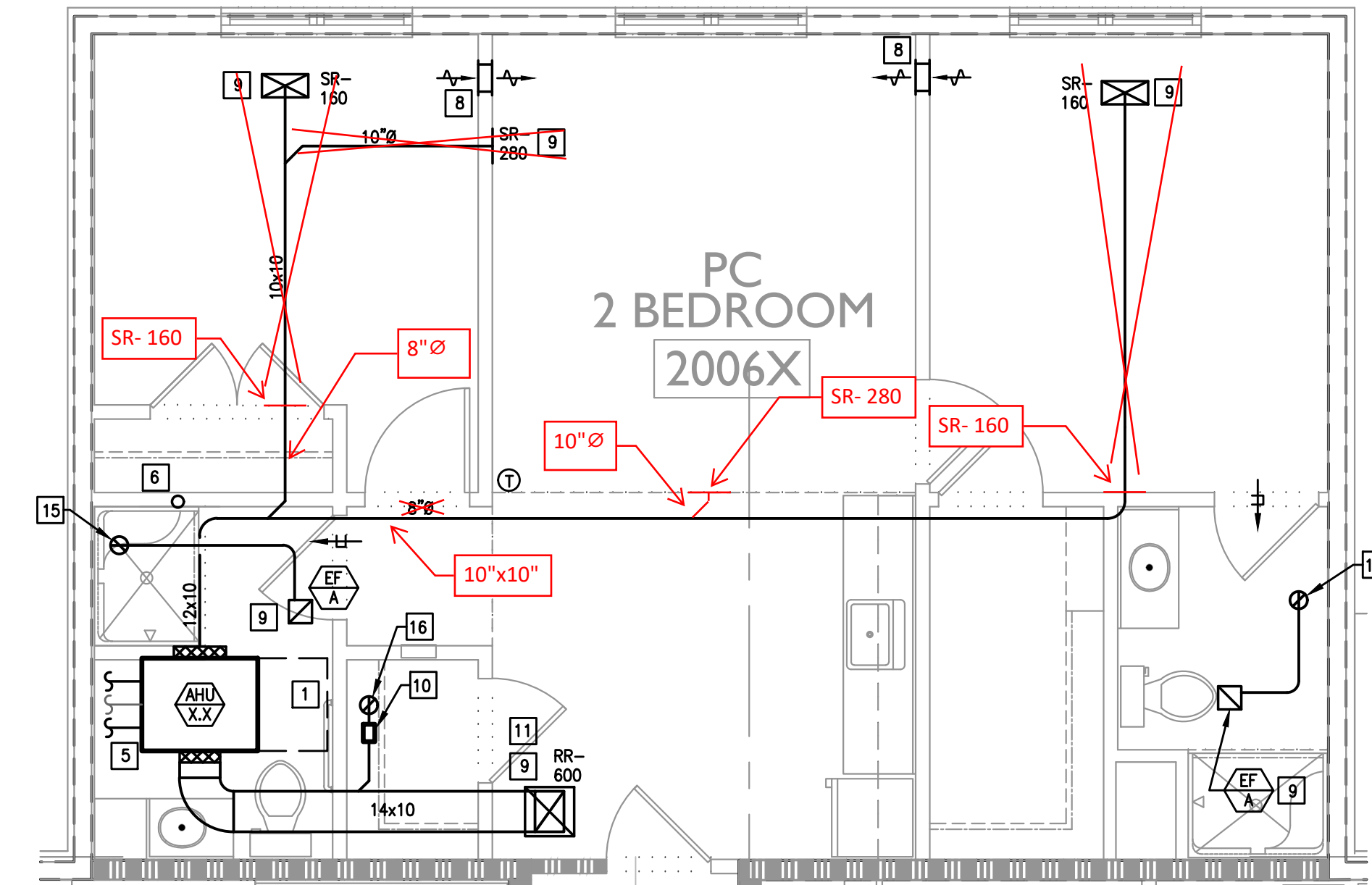
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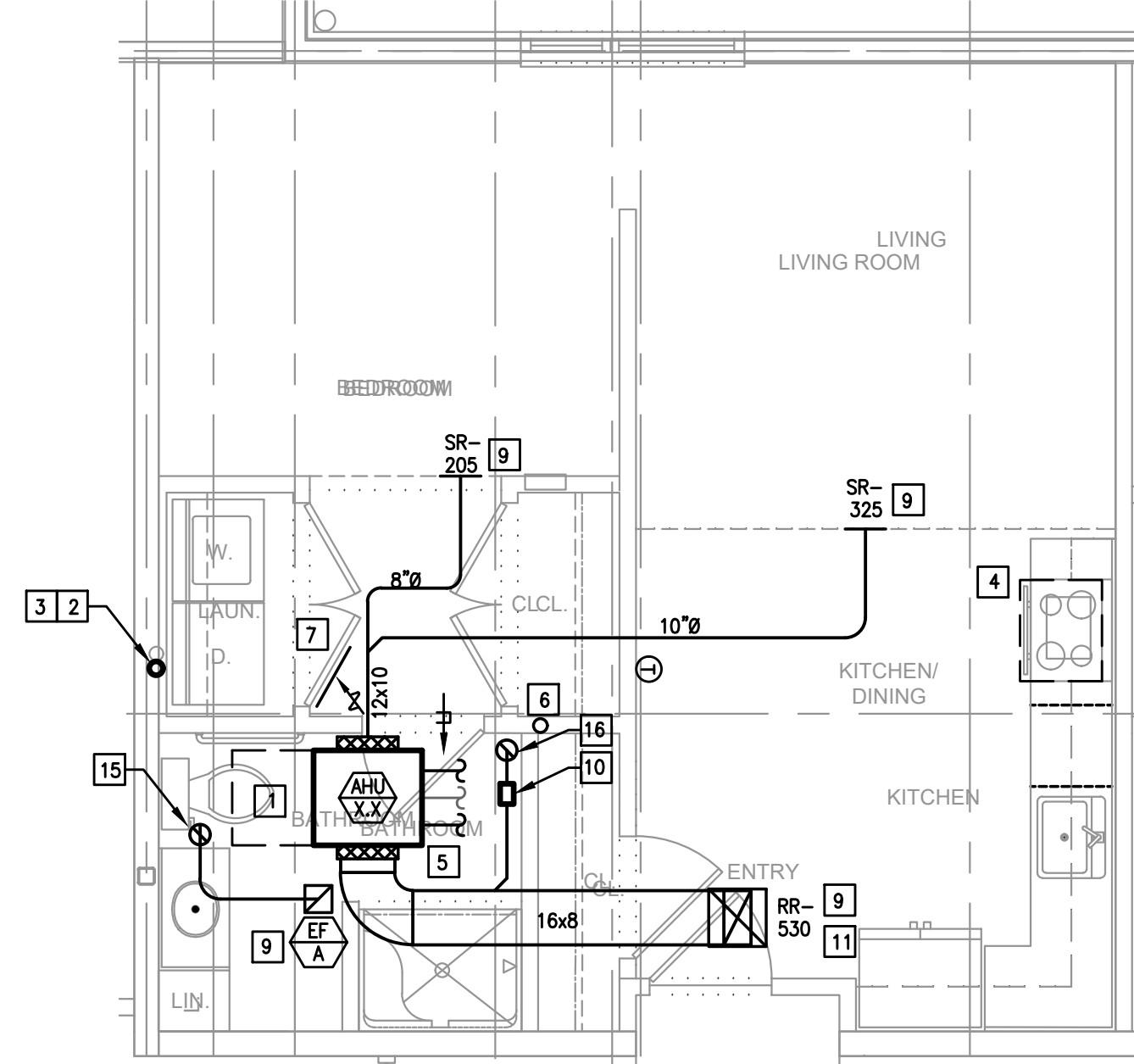
PC, 1 BEDROOM, TYPE 4, ACCESSIBLE
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



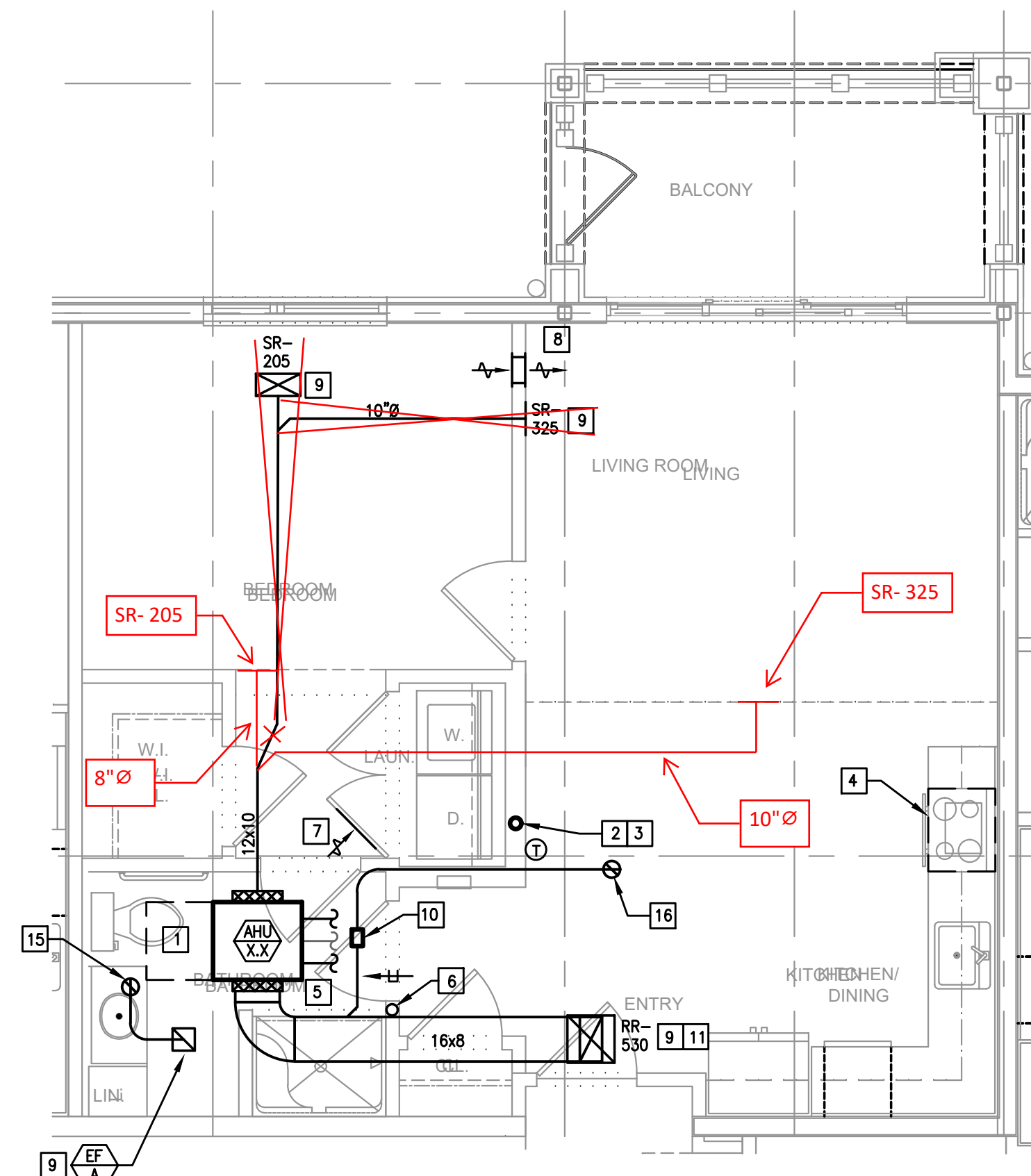
PC, 2 BEDROOM, TYPE 1A
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



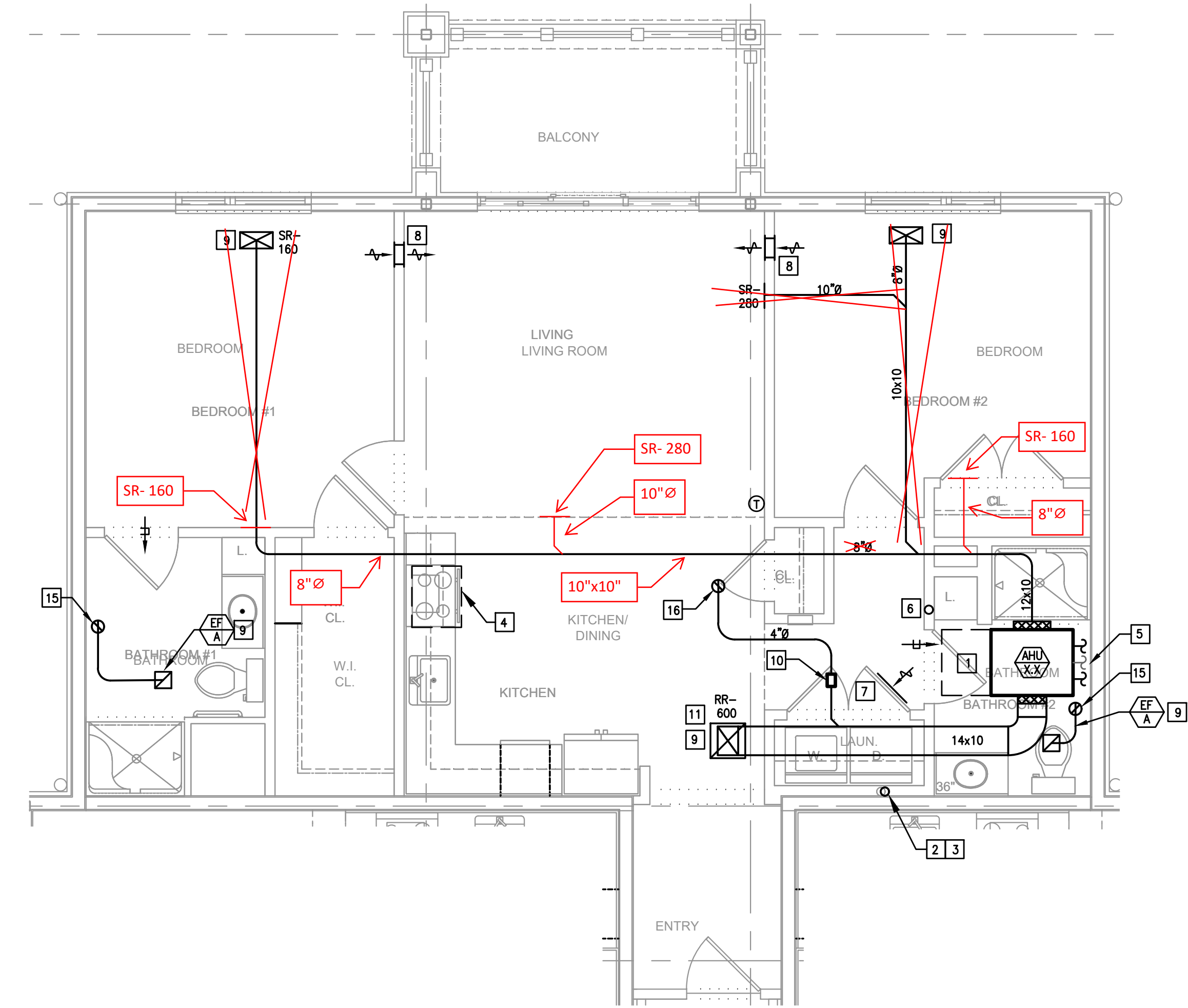
PC, 2 BEDROOM, TYPE 1B
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, STANDARD
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, 1 BEDROOM
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.



PC ENHANCED, 2 BEDROOM
SCALE: 1/4"=1'-0"
NOTE: TYPICAL UNIT LAYOUT FOR 3RD FLOOR UNITS.

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SYSTEM 1 - AIR HANDLING UNIT SCHEDULE (AHU)																					
TAG	Area Served	Configuration	Nom Type	CFM	ESP (In wg) Rated / Max	[Rtd] Height	[Rtd] Total BTU	Cooling			Heating			Electrical (AHU)			Filters	Type	Manufacturer	Basis of Design	Comments
								Total BTU	BTU Capacity	BTU Capacity at 47 F (Nom)	Volts	Phase	MCA	MDDP	Min MERV						
1.01	1054 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.02	1055 LOUNGE	MULTI-POSITION HEAT PUMP	2	800	0.7	109.00	45	24000	18000	27000	23400	208	1	0.90	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.03	1053 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.04	1017 PC MESS	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	7125	10500	9300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.05	1053 LAUNDRY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	7000	5625	8000	7800	208	1	0.91	15	II	CARTRIDGE	Samung	AM070ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.06	1056 BEAUTY & BARBER	DUCTED CONCEALED CEILING HEAT PUMP	2.25	600	0.79	77.20	10	27000	20250	30000	25800	208	1	2.60	15	II	CARTRIDGE	Samung	AM070ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.07	1052 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.08	1056 DOOR, 506A HUMAN RESOURCES, 506B BUSINESS	DUCTED CONCEALED CEILING HEAT PUMP	0.5	780	0.59	60.60	10	7000	5625	8000	7800	208	1	0.91	15	II	CARTRIDGE	Samung	AM070ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.09	1058 EXECUTIVE DIRECTOR	DUCTED CONCEALED CEILING HEAT PUMP	1	400	-	26.50	10.25	13000	9000	12000	13000	208	1	0.26	15	II	CARTRIDGE	Samung	AM012NNDCHVAA	1.2, 3.4, 5, 6, 8	
1.10	1039 BREAK, 1040 COPY, 1050 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	1.5	600	0.79	77.20	10	18000	13000	20000	17900	208	1	2.34	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.11	1041 CONFERENCE	CEILING CASSETTE HEAT PUMP	1.67	434	-	26.50	10.25	20000	13000	23000	20700	208	1	0.41	15	II	CARTRIDGE	Samung	AM020NNDCHVAA	1.2, 3.4, 5, 6, 8	
1.12	1045 DISCOVERY, 1046 MARKETING, 1047 OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	1	336	0.59	60.60	10	12000	9000	11700	11700	208	1	0.91	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.13	1042 ADMIN, 1043 MIC, 1044 MARKETING	DUCTED CONCEALED CEILING HEAT PUMP	1.25	530	0.59	60.60	10	15000	11250	15000	15000	208	1	1.29	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.14	1041 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.15	1040 LOUNGE	MULTI-POSITION HEAT PUMP	1.5	600	0.7	109.00	45	18000	12000	23000	18800	208	1	0.90	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.16	1045 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.17	1015 PC MESS	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	7125	10500	9300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.18	1032 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	7000	5625	8000	7800	208	1	0.91	15	II	CARTRIDGE	Samung	AM070ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.19	1033 LAUNDRY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.20	1061 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.21	1050 HALLWAY LOBBY	MULTI-POSITION HEAT PUMP	4	1600	1.00	214.00	55.4	48000	36000	54000	46800	208	1	2.60	15	II	CARTRIDGE	Samung	AM048TNDZCHVAA	1.2, 3.4, 5, 6, 8	
1.22	1050 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	4725	7100	6400	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.23	1016 PC MESS	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	7125	10500	9300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.24	1051 LAUNDRY	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	7125	10500	9300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
1.25	1059 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	7000	5625	8000	7800	208	1	0.91	15	II	CARTRIDGE	Samung	AM070ANNDCHVAA	1.2, 3.4, 5, 6, 8	

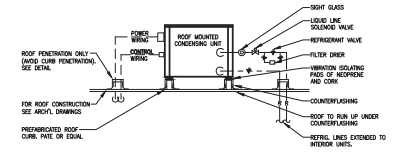
- Extend all refrigerant piping in accordance with manufacturer's instructions regarding length, traps, insulation, elevation distances, sizing, charge, etc.
- Provide refrigerant piping design as part of Submittal package
- Provide wall-mounted backlit LCD touch screen thermostat & configure to display to 'SIMPLE' mode. Integrate into Centralized Controller located in maintenance office on basement floor level.
- Provide disconnect switch
- Provide vibration isolation hangers
- Provide filter return grilles with MERV 8 1" cartridge filter equal to This Model 350FL1. Provide one (1) set of construction filters, one (1) set of startup filters, and one (1) set of spare filters.
- Condensate Piping-Furnish and Install Condensate Pump, 120V/1PH, 6 FT. Power Cord, Impact Resistant Integral Check Valve, Stainless Steel Motor/Pump Shaft, 25GPH, 15 FTHD, 150 HP, Little Giant 'VCM' Series Or Equivalent. Pump shall be hardwired for above ceiling applications.
- Or Equal by Mitsubishi or Daikin

SYSTEM 2 - AIR HANDLING UNIT SCHEDULE (AHU)																					
TAG	Area Served	Configuration	Nom Type	CFM	ESP (In wg) Rated / Max	[Rtd] Height	[Rtd] Total BTU	Cooling			Heating			Electrical (AHU)			Filters	Type	Manufacturer	Basis of Design	Comments
								Total BTU	BTU Capacity	BTU Capacity at 47 F (Nom)	Volts	Phase	MCA	MDDP	Min MERV						
2.01	1051 HALLWAY LOBBY	DUCTED CONCEALED CEILING HEAT PUMP	2	800	0.79	77.20	10	24000	15400	27000	19600	208	1	2.41	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.02	1016 MC DISCOVERY	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	6300	10500	7700	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.03	102 MEDICINE, 105 OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	6300	10500	7700	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.04	103 OFFICE, 104 OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	1.25	530	0.59	60.60	10	15000	9700	17000	12400	208	1	1.29	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.05	205 PC OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	3700	7100	5300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.06	208 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	3700	7100	5300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.07	2001 MULTI-PURPOSE	DUCTED CONCEALED CEILING HEAT PUMP	2.1	5000	0.79	77.20	45	30000	19200	40000	24500	208	1	2.95	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.08	3002 PC LOBBY	DUCTED CONCEALED CEILING HEAT PUMP	3	1100	0.79	98.10	10	36000	22500	40000	28800	208	1	1.33	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.09	227 LAUNDRY	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	6300	10500	7700	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.10	206 PANTRY	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	6300	10500	7700	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.11	226 KITCHEN	DUCTED CONCEALED CEILING HEAT PUMP	4	1500	0.79	98.10	10	48000	30300	54000	39000	208	1	3.40	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.12	226 KITCHEN	DUCTED CONCEALED CEILING HEAT PUMP	4	1500	0.79	98.10	10	48000	30300	54000	39000	208	1	3.40	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.13	201 MEDICINE, 204 STORAGE	DUCTED CONCEALED CEILING HEAT PUMP	0.75	300	0.59	60.60	10	9000	6300	10500	7700	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.14	202 OFFICE, 203 OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	1.25	530	0.59	60.60	10	15000	9700	17000	12400	208	1	1.29	15	II	CARTRIDGE	Samung	AM034TNDZCHVAA	1.2, 3.4, 5, 6, 8	
2.15	3006 PC OFFICE	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	3700	7100	5300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.16	3008 HALLWAY	DUCTED CONCEALED CEILING HEAT PUMP	0.5	781	0.59	60.60	10	6300	3700	7100	5300	208	1	0.91	15	II	CARTRIDGE	Samung	AM060ANNDCHVAA	1.2, 3.4, 5, 6, 8	
2.17	3005A READING LOUNGE	MULTI-POSITION HEAT PUMP	3	1000	1	138.00	45	36000	20000	40000	28800	208	1	2.08	15	II	CARTRIDGE	Samung	AM070FHCHVAA	1.2, 3.4, 5, 6, 8	
2.18	3005 MEDIA ROOM	MULTI-POSITION HEAT PUMP	4	1600	1	214.00	55.4	48000	36000	54000	46800	208	1	2.60	15	II	CARTRIDGE	Samung	AM048TNDZCHVAA	1.2, 3.4, 5, 6, 8	

- Extend all refrigerant piping in accordance with manufacturer's instructions regarding length, traps, insulation, elevation distances, sizing, charge, etc.
- Provide refrigerant piping design as part of Submittal package
- Provide wall-mounted backlit LCD touch screen thermostat & configure to display to 'SIMPLE' mode. Integrate into Centralized Controller located in maintenance office on basement floor level.
- Provide disconnect switch
- Provide vibration isolation hangers
- Provide filter return grilles with MERV 8 1" cartridge filter equal to This Model 350FL1. Provide one (1) set of construction filters, one (1) set of startup filters, and one (1) set of spare filters.
- Condensate Piping-Furnish and Install Condensate Pump, 120V/1PH, 6 FT. Power Cord, Impact Resistant Integral Check Valve, Stainless Steel Motor/Pump Shaft, 25GPH, 15 FTHD, 150 HP, Little Giant 'VCM' Series Or Equivalent. Pump shall be hardwired for above ceiling applications.
- Or Equal by Mitsubishi or Daikin

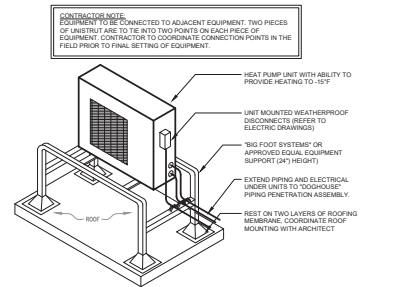
OUTDOOR UNIT SCHEDULE (HP)																	
Tag	Basis of Design	Type	Nominal Cooling Capacity (BTU/N)	Nominal Heating Capacity (BTU/N)	Cooling Efficiency EER/SEER	Heating COP @ 47°F	Design Cooling Outdoor Temp DB	Design Heating Outdoor Temp WB	Voltage / Phase	Electrical							
										Module 1		Module 2		Module 3		Comments	
		MCA	MDDP	MCA	MDDP	MCA	MDDP										
1	SANBLING AMB02ANV22AA	VRV HEAT PUMP W/ HEAT RECOVERY	228800	311400	11.6 / 19.8	3.5	2.1	90	11.3	480 / 3	26.4	40	33	40	-	-	1, 3, 4, 5, 6, 7, 8
2	SANBLING AMB03ANV22AA	VRV HEAT PUMP W/ HEAT RECOVERY	322000	376700	10.3 / 18.0	3.2	2.1	90	11.3	480 / 3	37	50	37	50	-	-	1, 3, 4, 5, 6, 7, 8
3	SANBLING AMB04ANV22AA	VRV HEAT PUMP W/ HEAT RECOVERY	348600	456600	9.8 / 17.3	3.2	2.1	90	11.3	480 / 3	21.7	30	33	40	33	40	1, 3, 4, 5, 6, 7, 8
4	SANBLING AMB02ANV22AA	VRV HEAT PUMP W/ HEAT RECOVERY	282200	356400	11.6 / 19.8	3.5	2.1	90	11.3	480 / 3	33	40	37	50	-	-	1, 3, 4, 5, 6, 7, 8

- All rooftop equipment piping and power connections shall be installed with piping caps, sealed tight, and warranted by Roofing Contractor
- Indoor Unit low voltage control wiring shall be furnished and installed by Mechanical Contractor
- Extend all refrigerant piping in accordance with manufacturer's instructions regarding length, traps, insulation, elevation distances, sizing, charge, etc.
- Provide refrigerant piping design as part of Submittal package
- Provide Manufacturer's Base Pan Heater
- Expansion module(s) shall be connected to Owner's LAN by Mechanical Contractor via Owner provided network switch. Control center(s) and expansion module(s) shall be configured for Web and LAN access using HTML based interface.
- Or Equal by Mitsubishi or Daikin
- Single point power connection



ROOF MOUNTED HEAT PUMP OR CONDENSING UNIT

- SCALE: NONE
- NOTE:
- ALL ROOF CURBS SHALL BE SECURED TO THE ROOF IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND COMPLY WITH ALL LOCAL BUILDING REQUIREMENTS. COORDINATE WITH STRUCTURAL ENGINEER.
 - REFRIGERANT PIPING INSULATION SHALL HAVE A PVC/MATERIAL WEATHER JACKING SYSTEM AS A COMPLETE BARRIER.

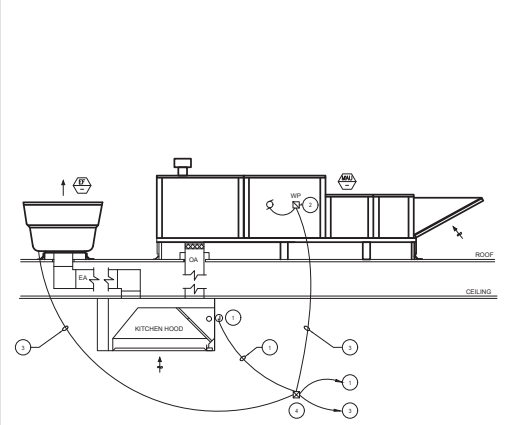


ROOF MOUNTED ELEVATED HEAT PUMP SUPPORT DETAIL

- SCALE: NONE
- NOTES:
- SUPPORT HEIGHT SHALL BE DETERMINED BY MANUFACTURER REQUIREMENTS AND THE LOCATION ANTICIPATED (SNOWFALL).
 - COORDINATE WITH ARCHITECT FOR MULTIPLE HEAT PUMP ARRAY DIRECTION.
 - THE REFRIGERANT PIPING SHALL HAVE INSULATION PROTECTIVE PVC COVER TYPE "AREX E FLEX GUARD" BY AREX WALL VENT AND INSULATION DETAIL.

SYSTEM 3 - AIR HANDLING UNIT SCHEDULE (AHU)																					
TAG	Area Served	Configuration	Room Type	CHW	ESP (ft w/g. Return/Floor)	(ft) Height	(ft) Height	Cooling				Heating				Filters	Manufacturer	Basis of Design	Comments		
								Total AHU	Sens AHU	BTU Capacity	BTU Capacity of Floor	Total AHU	Sens AHU	BTU Capacity	BTU Capacity of Floor						
3.01	3013 HALLWAY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.02	3014 PUB	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	4	1300	0.79	19.10	10	4000	16000	54000	8000	208	1	1.40	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.03	3015 PC PVP DINING	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	2	800	0.79	17.20	10	2400	15600	27000	2200	208	1	2.41	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.04	3016 PC DINING	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	3	800	0.79	19.10	10	3600	25500	45000	3600	208	1	1.51	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.05	3017 PC DINING	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	4	1300	0.79	19.10	10	4800	33000	54000	3600	208	1	1.40	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.06	3018 RESTROOM	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.07	126AC DINING	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	3	800	0.79	19.10	10	3600	25500	45000	3600	208	1	1.51	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.08	126AC DINING	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	3	800	0.79	19.10	10	3600	25500	45000	3600	208	1	1.51	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
3.09	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
3.10	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
3.11	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
3.12	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
3.13	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
3.14	38P KITCHEN	WALL MOUNTED HEAT PUMP	MEAT	2.5	800	0.79	17.20	10	3000	19100	34000	3700	208	1	2.94	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8

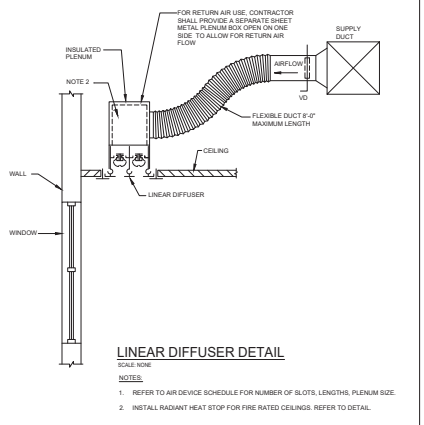
- Extend all refrigerant piping in accordance with manufacturer's instructions regarding length, traps, insulation, elevation, distance, wiring, charge, etc.
- Provide refrigerant piping design as part of Submittal package.
- Provide all mounted base(s) LCD touch screen thermostat & configure to display to "SMPLE" mode. Detail Model 8P1C172 or equal by Mitsubishi or LG. Integrate into Dabco TM Centralized Controller located in maintenance office on basement floor level.
- Provide disconnect switch.
- Provide vibration isolation hangers.
- Provide filter return gaskets with MERV 8 1" cartridge filter equal to This Model 30P17. Provide one (1) set of construction filter, one (1) set of startup filter, and one (1) set of spare filter.
- Provide all filter and control M. Detail Series DCA2-PAK or equal by Mitsubishi or LG. Provide one (1) set of construction filter, one (1) set of startup filter, and one (1) set of spare filter.
- Or Equal by Mitsubishi or LG.



KITCHEN FLOOR LEVEL

KITCHEN HOOD, VFD-CONTROLLER, MAU & EC CONTROL DETAIL

- SCALE: NONE
- REFER TO MAKE-UP AIR UNIT, EXHAUST FAN AND HOOD INSTALLATION DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - WIRING REQUIREMENTS ARE BASED ON CAPTIVE AIR DEMAND CONTROL VENTILATION SYSTEM.
 - THE HOOD CONTROL SYSTEM SHALL BE PROVIDED BY THE KITCHEN HOOD MANUFACTURER AND KITCHEN HOOD INSTALLER.
- NOTES:
- XXXX X PHASE CONNECTION FOR MAKE-UP AIR UNIT CONTROLLER FROM KITCHEN BRANCH CIRCUIT PANEL. REFER TO THE ELECTRICAL FLOOR PLANS FOR WIRING METHOD REQUIREMENTS AND ADDITIONAL INFORMATION. COORDINATE ALL FINAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND KITCHEN EQUIPMENT VENDOR.
 - WEATHERPROOF FLUES DISCONNECT EQUIPMENT MOUNTED ON MAKE-UP AIR UNIT. COORDINATE SIZE WITH FINAL APPROVED EQUIPMENT SELECTIONS.
 - XXXX X PHASE CONNECTION FOR MAKE-UP AIR UNIT EQUIPMENT AND EXHAUST FAN FROM KITCHEN BRANCH CIRCUIT PANEL. REFER TO THE ELECTRICAL FLOOR PLANS FOR WIRING METHOD REQUIREMENTS AND ADDITIONAL INFORMATION. COORDINATE ALL FINAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND KITCHEN EQUIPMENT.
 - VFD/CONTROLLER, LINEAL FLUOR WITHIN KITCHEN SPACE WITH THE MECHANICAL CONTRACTOR AND KITCHEN EQUIPMENT VENDOR.



KITCHEN FLOOR LEVEL

LINEAR DIFFUSER DETAIL

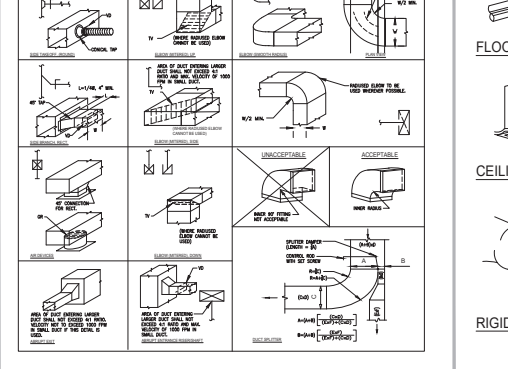
- SCALE: NONE
- NOTES:
- REFER TO AIR DEVICE SCHEDULE FOR NUMBER OF BLUETS, LENGTH, PLENUM SIZE.
 - INSTALL RADIANT HEAT STOP FOR FIRE RATED CEILING. REFER TO DETAIL.



KITCHEN FLOOR LEVEL

DRAINABLE LOUVER DETAIL

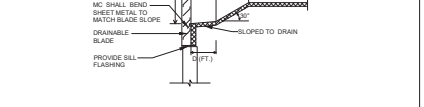
- SCALE: NONE
- NOTES:
- INSTALL PER MANUFACTURER'S REQUIREMENTS.



KITCHEN FLOOR LEVEL

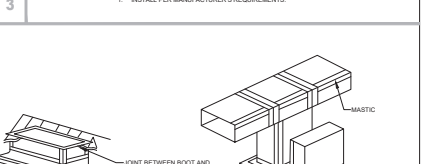
DUCTWORK DETAIL

- SCALE: NONE
- NOTES:
- THIS DETAIL APPLIES TO FIRE BARRIERS & FIRE PARTITIONS 1 HOUR OR LESS IN AREAS OTHER THAN GROUP 1 BUILDINGS. BUILDINGS SHALL BE FULLY SPRINKLED.
 - REFER TO THE INTERNATIONAL MECHANICAL CODE 2015/18 SECTION 607.5.2 & 607.5.3.
- LEGEND:
- GR EQUILIBRATING GRID
 - TV TURNING VANES
 - VQ VOLUME DAMPER
 - AT AIR TURN OR EXTRACTOR



KITCHEN FLOOR LEVEL

FLOOR BOOT AIR SEALING



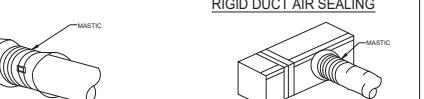
KITCHEN FLOOR LEVEL

AIR HANDLER AIR SEALING



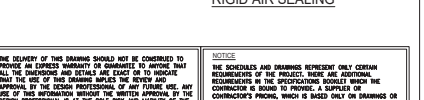
KITCHEN FLOOR LEVEL

CEILING BOOT AIR SEALING



KITCHEN FLOOR LEVEL

RIGID DUCT AIR SEALING



KITCHEN FLOOR LEVEL

RIGID TO FLEX AIR SEALING

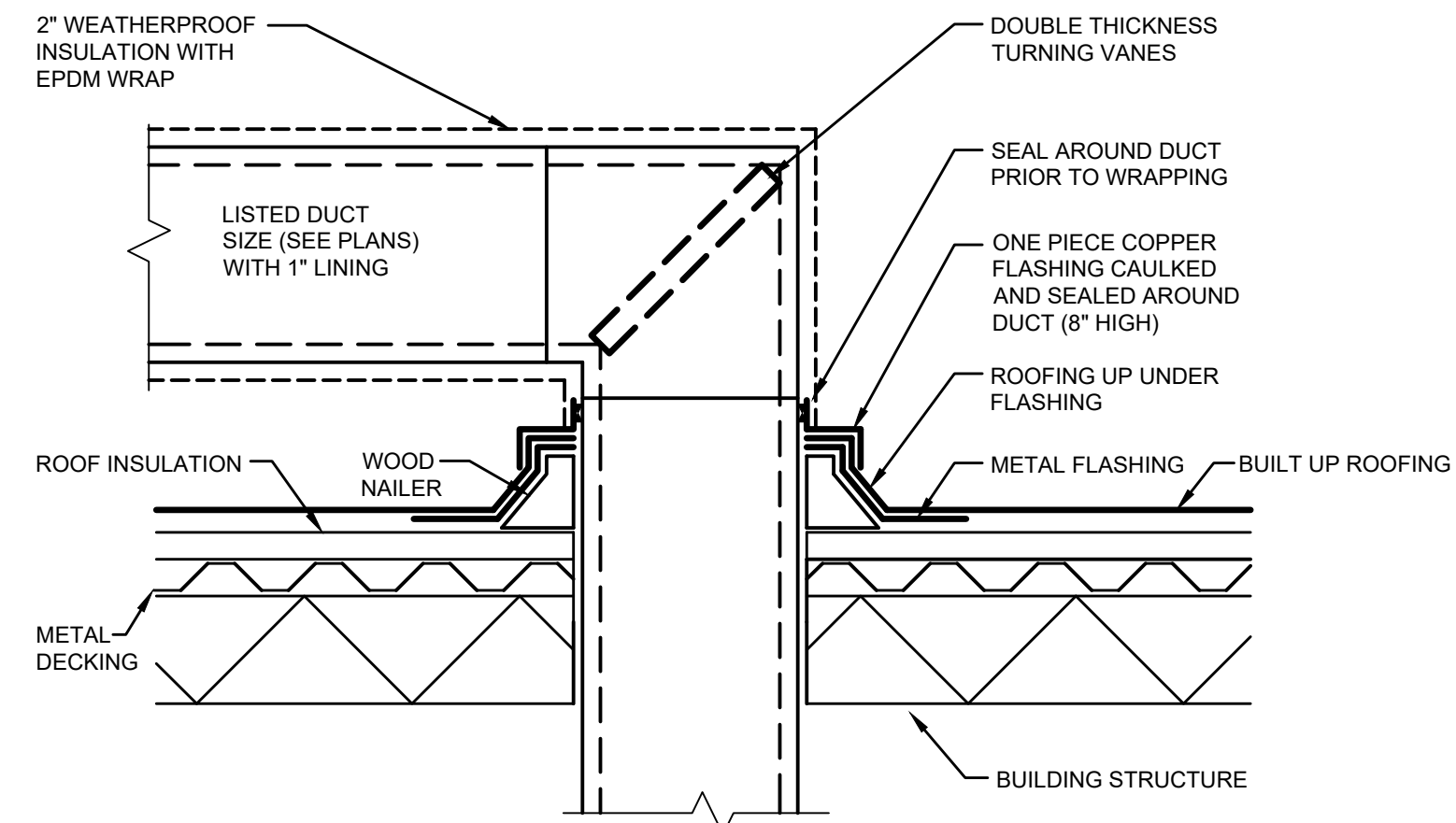


KITCHEN FLOOR LEVEL

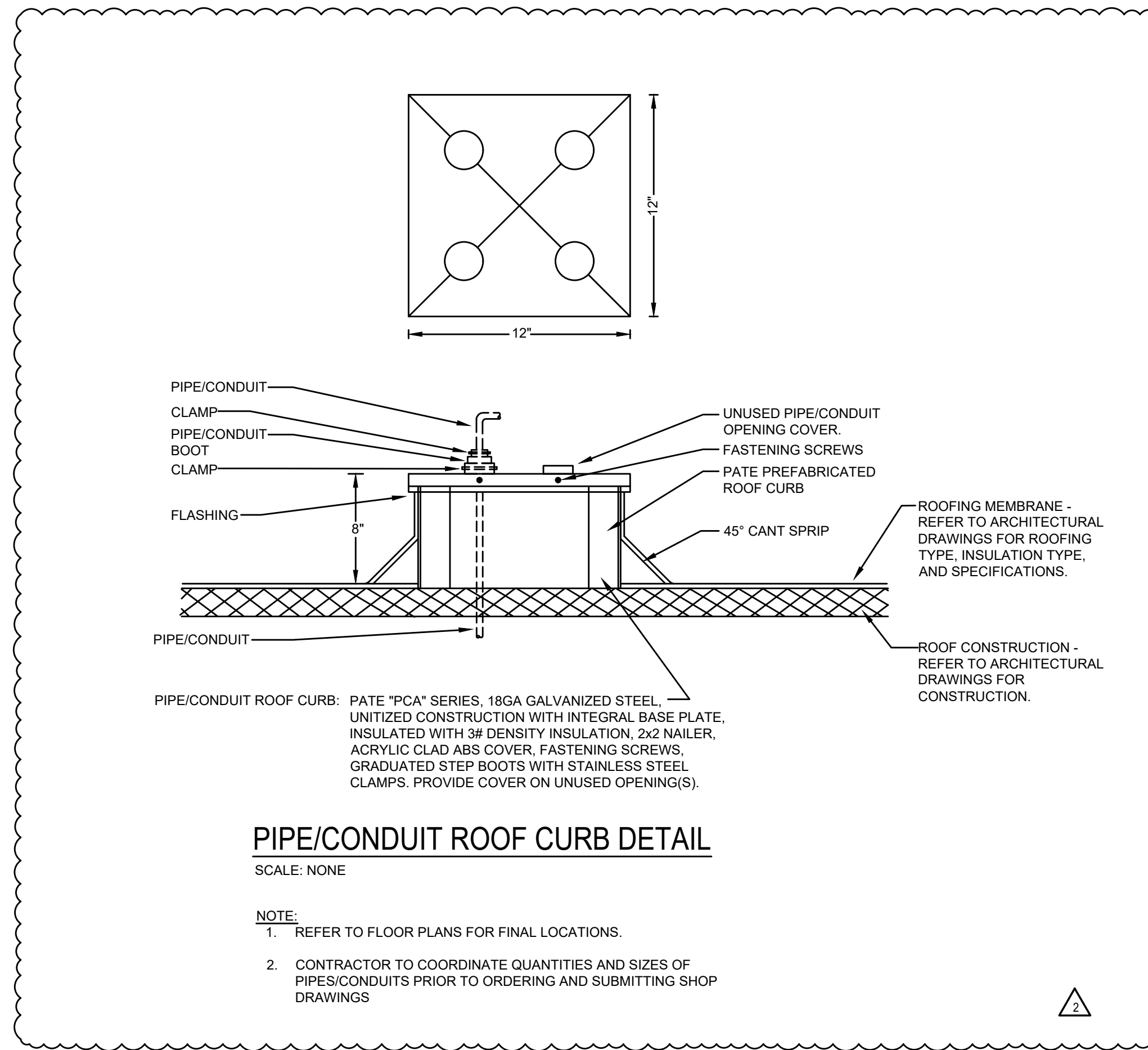
FLEX TAKE-OFF FROM RIGID AIR SEALING

- THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSIDERED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT ALL THE REQUIREMENTS AND DETAILS ARE EXACT OR TO GUARANTEE THE RESULTS OF THE PROJECT. THESE ARE ADDITIONAL REQUIREMENTS OF THE SPECIFICATIONS SOONER WHICH THE CONTRACTOR IS BOUND TO PROVIDE. A SCHEDULE OF WORKS SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SCHEDULES. ANY LEAD INFORMATION COPIES UNCORRECTED FOR THE NEED THE DESIGN PROFESSIONAL RECEIVED THE RIGHT TO REMOVE HIS PROFESSIONAL SEAL AND/OR TITLE BLOCK.
- NOTICE: THE SCHEDULES AND DRAWINGS HEREIN ONLY CERTAIN REQUIREMENTS OF THE PROJECT. THERE ARE ADDITIONAL REQUIREMENTS OF THE SPECIFICATIONS SOONER WHICH THE CONTRACTOR IS BOUND TO PROVIDE. A SCHEDULE OF WORKS SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SCHEDULES. ANY LEAD INFORMATION COPIES UNCORRECTED FOR THE NEED THE DESIGN PROFESSIONAL RECEIVED THE RIGHT TO REMOVE HIS PROFESSIONAL SEAL AND/OR TITLE BLOCK.

SYSTEM 4 - AIR HANDLING UNIT SCHEDULE (AHU)																					
TAG	Area Served	Configuration	Room Type	CHW	ESP (ft w/g. Return/Floor)	(ft) Height	(ft) Height	Cooling				Heating				Filters	Manufacturer	Basis of Design	Comments		
								Total AHU	Sens AHU	BTU Capacity	BTU Capacity of Floor	Total AHU	Sens AHU	BTU Capacity	BTU Capacity of Floor						
4.01	007 HALLWAY	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.02	007 HALLWAY	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.03	008 KITCHEN STORAGE	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.04	009 RESIDENT STORAGE	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.05	000 TRAINING	CEILING CASSETTE HEAT PUMP	MEAT	1.67	424	-	26.50	30.20	3900	10000	28000	2000	208	1	0.41	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.06	008 FACILITIES	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.07	008 MAINTENANCE	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.08	008 BUILDING STORAGE	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.09	008 HOURS KEEPING	CEILING CASSETTE HEAT PUMP	MEAT	0.5	254	-	25.80	30.20	3000	4000	6000	6000	208	1	0.24	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.10	008 MEDIA ELECTRICAL	WALL MOUNTED HEAT PUMP	MEAT	0.5	260	-	18.80	12	3000	3100	1800	4000	208	1	0.35	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.11	008 MEDIA ELECTRICAL	WALL MOUNTED HEAT PUMP	MEAT	0.5	260	-	18.80	12	3000	3100	1800	4000	208	1	0.35	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.12	008 LAUNDRY WASHERS	WALL MOUNTED HEAT PUMP	MEAT	0.5	260	-	18.80	12	3000	3100	1800	4000	208	1	0.35	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.13	008 LAUNDRY DRYERS	WALL MOUNTED HEAT PUMP	MEAT	0.5	260	-	18.80	12	3000	3100	1800	4000	208	1	0.35	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.14	008 FIRE PUMP	WALL MOUNTED HEAT PUMP	MEAT	0.5	260	-	18.80	12	3000	3100	1800	4000	208	1	0.35	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,8
4.15	008 EMPLOYEE LOUNGE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	4	740	-	137.79	10	34000	34000	61400	17000	208	1	-	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.16	300 HALLWAY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	261	0.59	40.60	10	6000	3100	7100	9800	208	1	0.81	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.17	300 HALLWAY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	261	0.59	40.60	10	6000	3100	7100	9800	208	1	0.81	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.18	303 MATH PURPOSE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	1.5	600	0.79	17.20	10	18000	11000	20000	16000	208	1	2.14	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.19	303 MATH PURPOSE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	2	600	0.79	17.20	10	24000	11000	20000	21000	208	1	2.41	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.20	315 MC LOUNGE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	2.25	1305	0.79	17.20	10	27000	17000	30000	23000	208	1	2.89	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.21	317 LAUNDRY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	1	300	0.59	40.60	10	12000	7400	13000	10800	208	1	0.81	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.22	300 HALLWAY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	261	0.59	40.60	10	6000	3100	7100	9800	208	1	0.81	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.23	300 HALLWAY	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	0.5	261	0.59	40.60	10	6000	3100	7100	9800	208	1	0.81	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.24	303 MATH PURPOSE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	2	600	0.79	17.20	10	24000	11000	20000	21000	208	1	2.41	15	8	CARTIDGE	Samung	AMMBANDHON/A	1.2,3,4,5,6,8
4.25	300 MATH PURPOSE	DUCT/CONDENSATE CEILING-HEAT PUMP	MEAT	2	740	0.79	17.20	10	36000	11000	20000	21000	208	1	2.41	15	8	CARTIDGE			

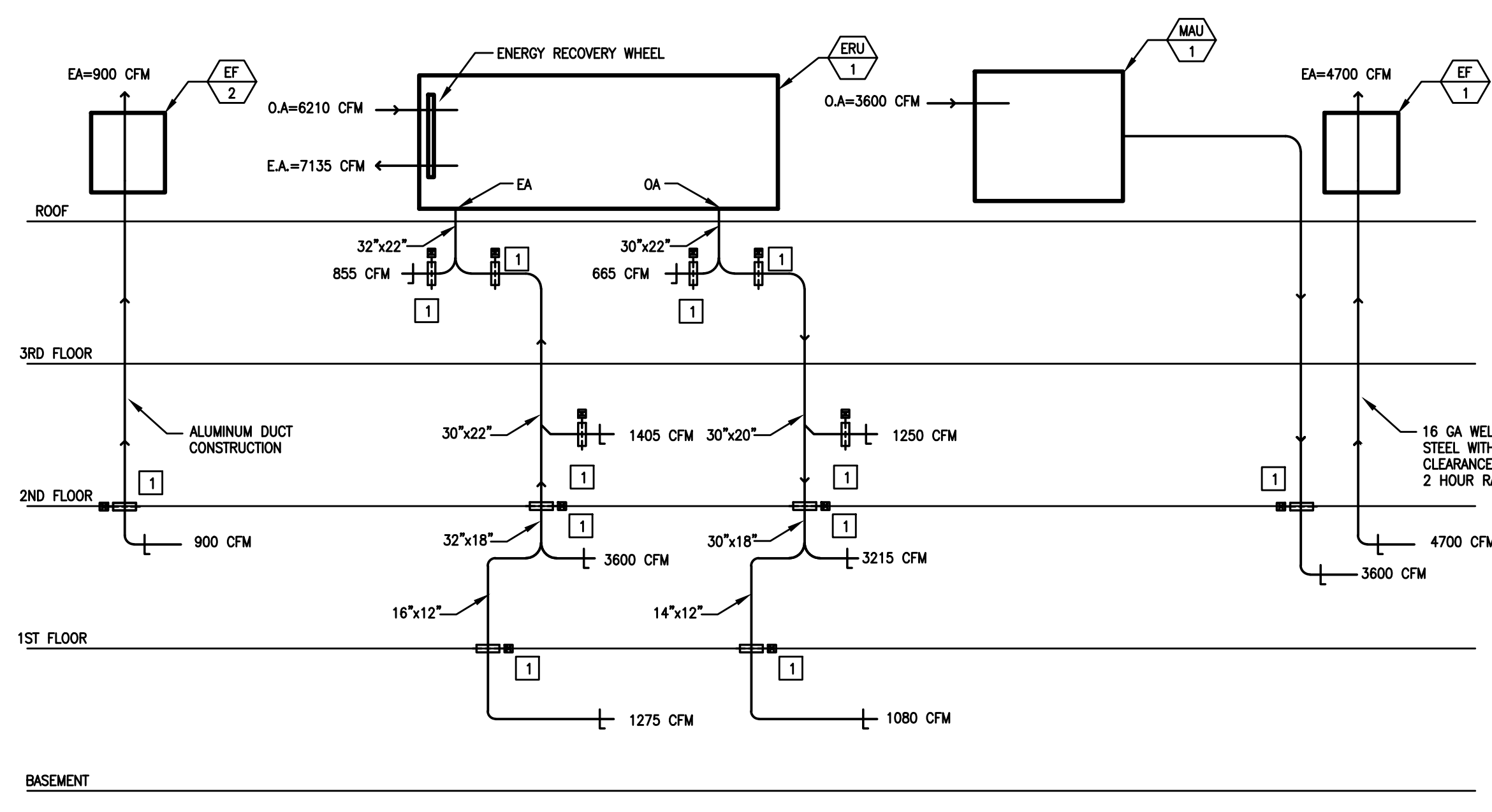


DUCT ROOF PENETRATION DETAIL
SCALE: NONE



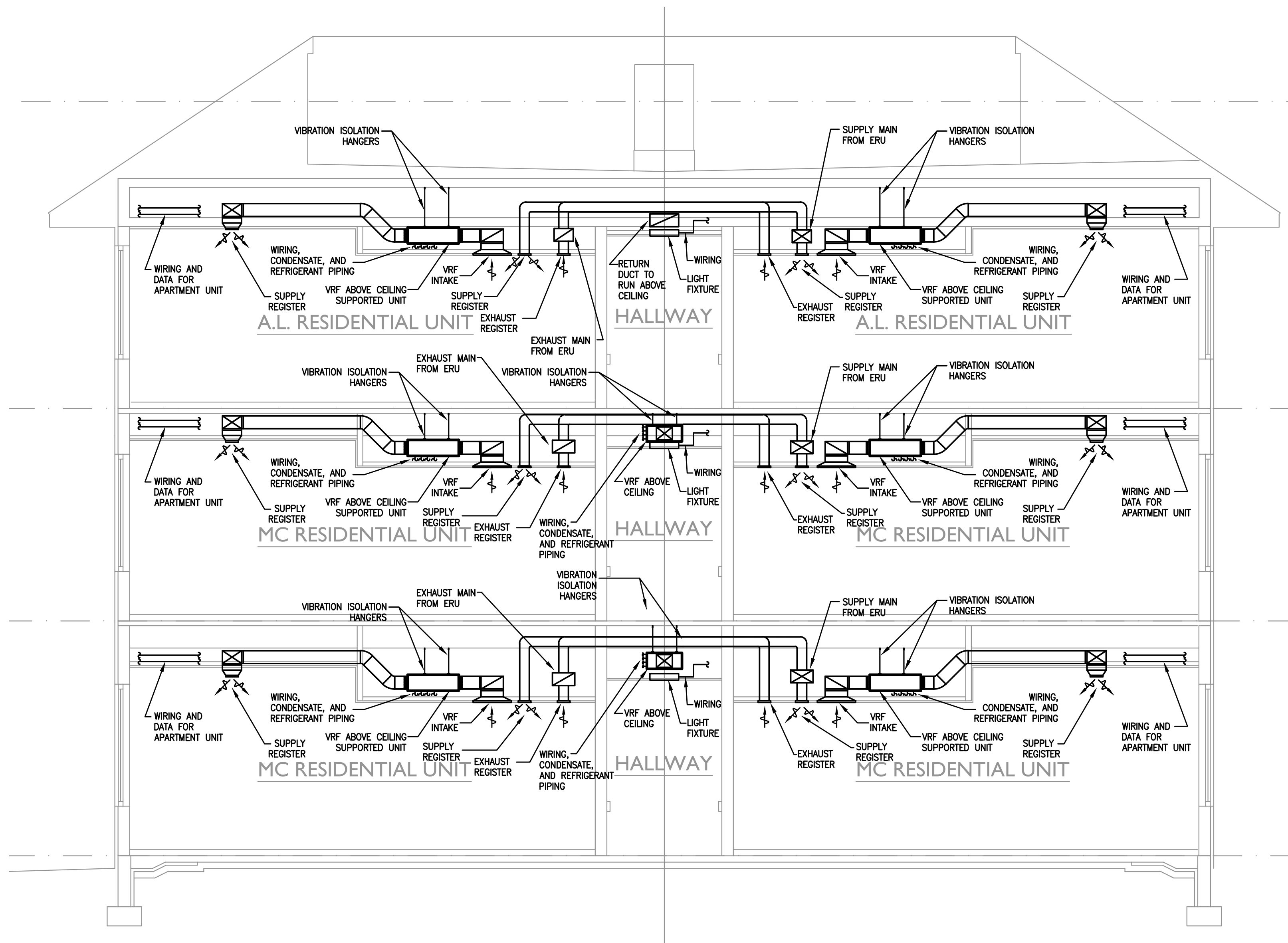
PIPE/CONDUIT ROOF CURB DETAIL
SCALE: NONE

- NOTE:
- REFER TO FLOOR PLANS FOR FINAL LOCATIONS.
 - CONTRACTOR TO COORDINATE QUANTITIES AND SIZES OF PIPES/CONDUITS PRIOR TO ORDERING AND SUBMITTING SHOP DRAWINGS

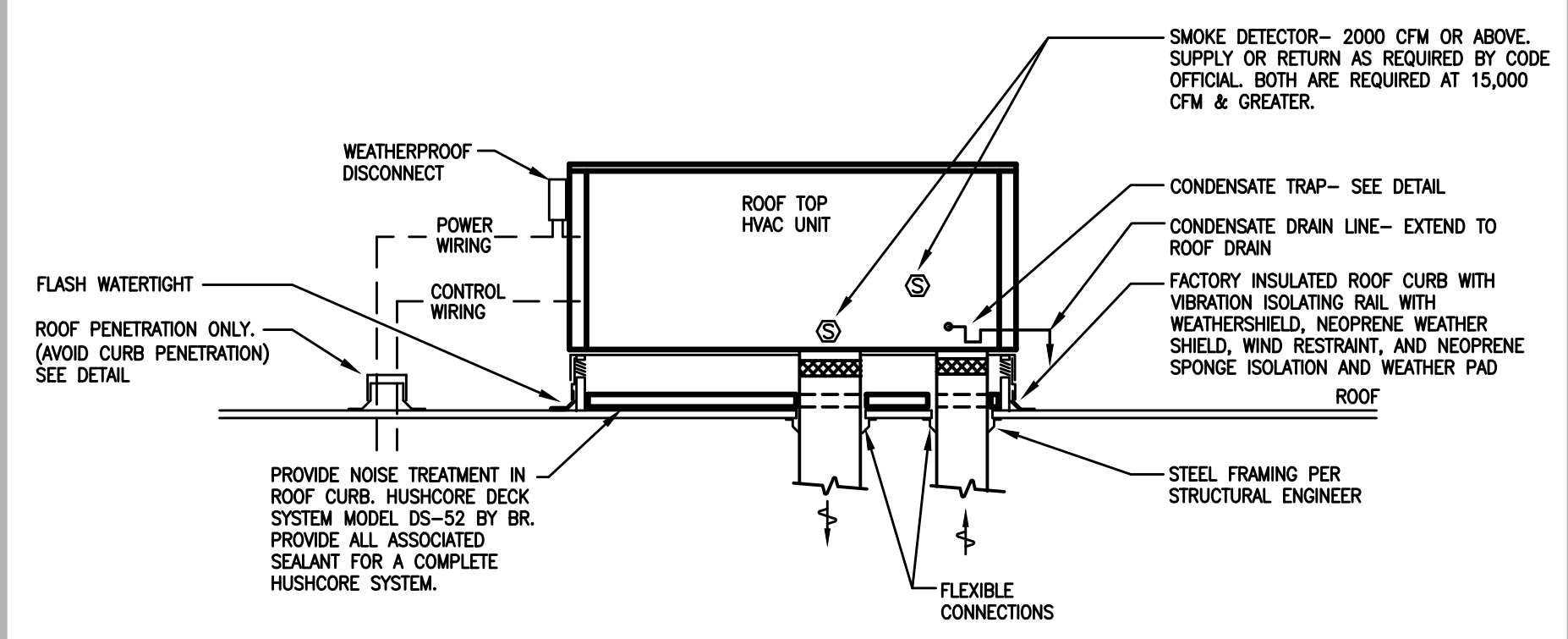


AIR FLOW RISER DIAGRAM-ERU-1
SCALE: NONE

- CONSTRUCTION NOTES:
- PROVIDE COMBINATION SMOKE/FIRE DAMPER
- MECHANICAL NOTES:
- UNIT PROVIDES BUILDING PRESSURIZATION OF +10CFM DURING NORMAL OPERATION. NOTE THAT THIS SCHEMATIC DOES NOT INCLUDE ALL SYSTEMS, BUT RATHER A GENERAL DIAGRAM OF MAJOR EQUIPMENT.

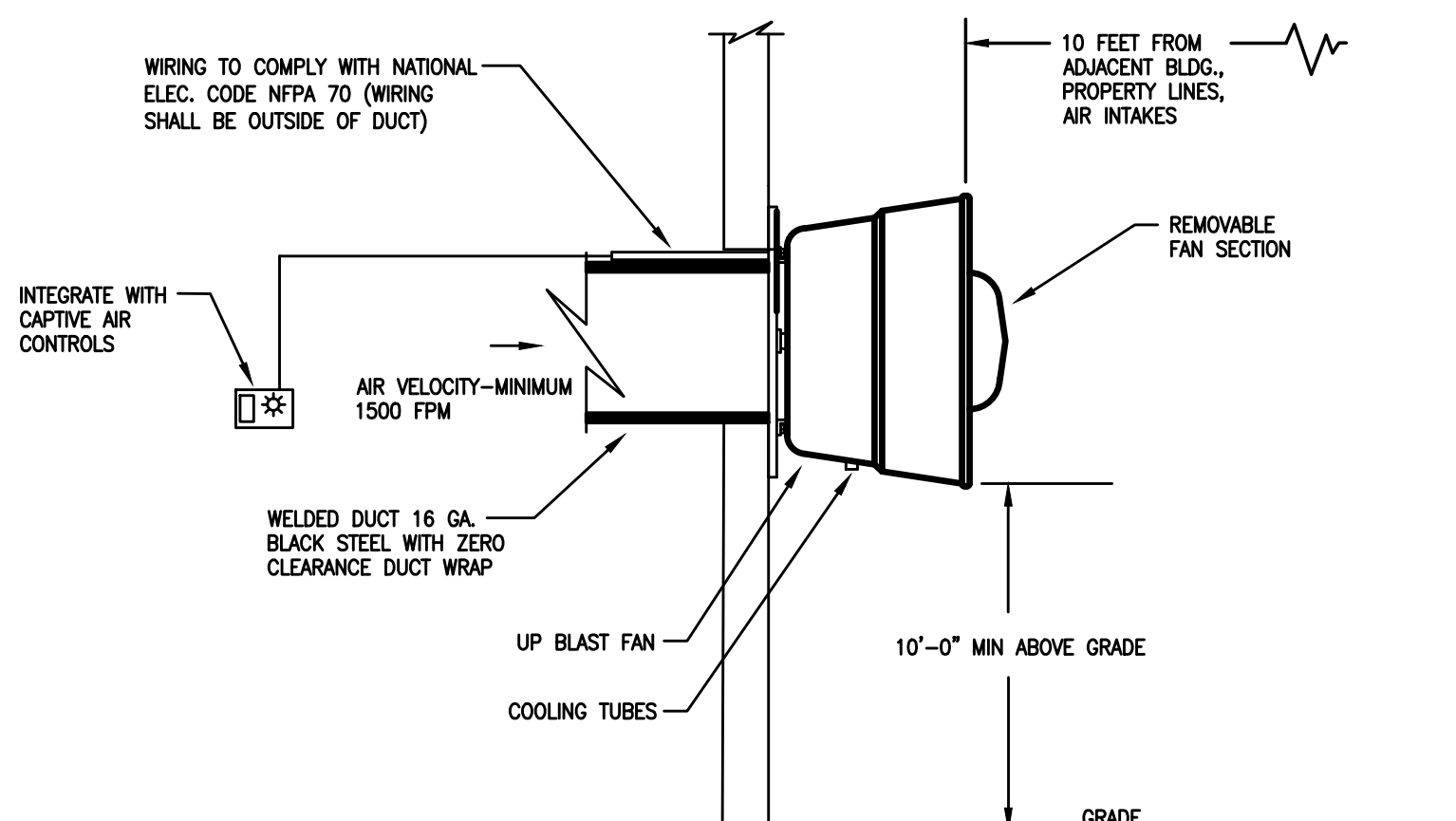


SECTION VIEW
SCALE: 1/8"=1'-0"



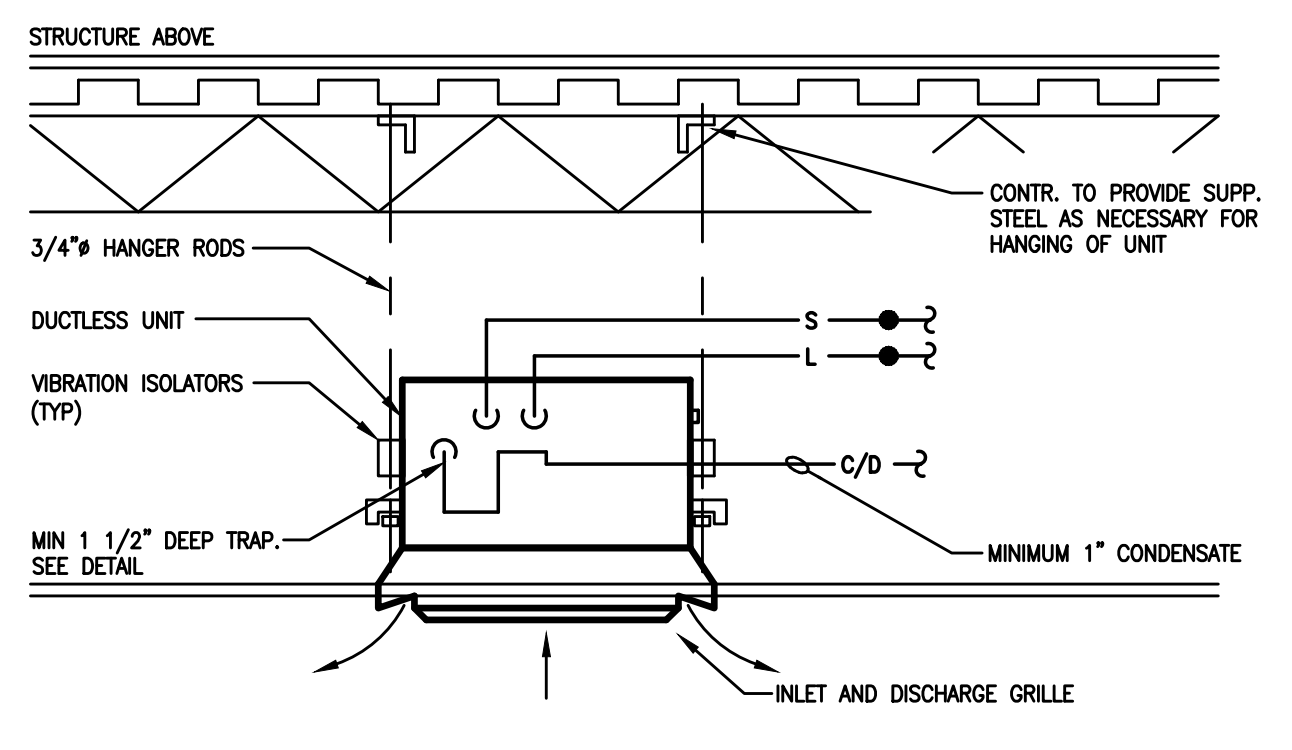
ROOF TOP UNIT WITH VIBRATION ISOLATION MOUNTING DETAIL
SCALE: NONE

- NOTE:
- ONE SMOKE DETECTOR MAY BE PROVIDED BETWEEN 2000 AND 15000 CFM WHEN ACCEPTABLE TO LOCAL AUTHORITY.
 - ALL ROOF CURBS SHALL BE SECURED TO THE ROOF IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND COMPLY WITH IBC WIND LOADING REQUIREMENTS. COORDINATE WITH STRUCTURAL ENGINEER.
 - MECHANICAL CONTRACTOR SHALL COORDINATE ROOF OPENING REQUIREMENTS WITH LIGHT-GAUGE METAL TRUSS MANUFACTURER IN ORDER TO ROUTE DUCTWORK FROM THE UNIT, THROUGH THE ATTIC SPACE, AND TO SHaft LOCATIONS AS INDICATED ON FLOOR PLANS.



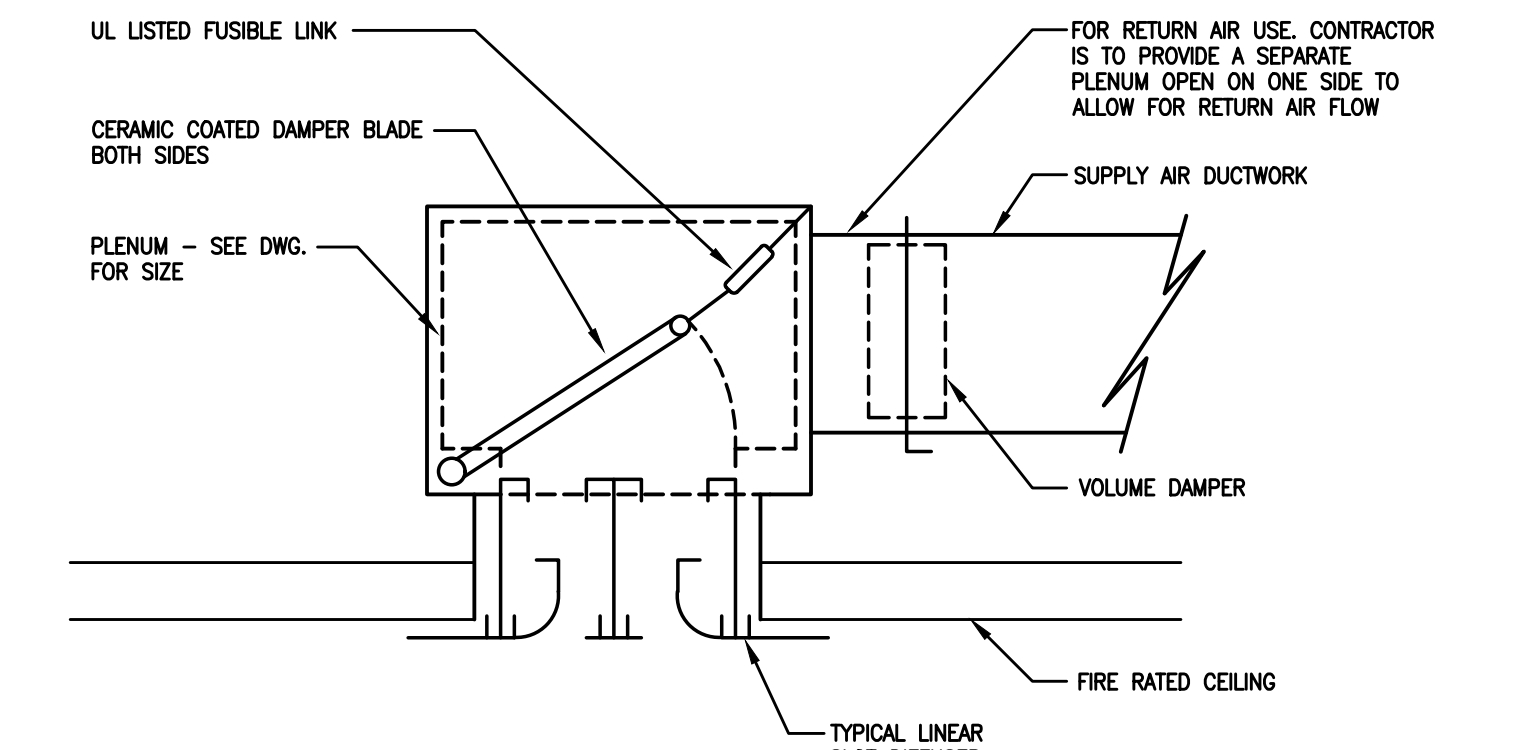
KITCHEN HOOD SIDEWALL EXHAUST DETAIL-NFPA 96
SCALE: NONE

- NOTE:
- EXHAUST FAN MOUNTING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. COORDINATE WITH STRUCTURAL ENGINEER.



CEILING AIR HANDLING UNIT
SCALE: NONE

- NOTE:
- VERIFY IF EQUIPMENT IS PROVIDED WITH INTEGRAL LIFT MECHANISM.



LINEAR DIFFUSER RADIANT HEAT STOP
SCALE: NONE

- NOTICE:
- THE SCHEDULES AND DRAWINGS REPRESENT ONLY CERTAIN REQUIREMENTS OF THE PROJECT. THERE ARE ADDITIONAL REQUIREMENTS IN THE SPECIFICATIONS BOOKLET WHICH THE CONTRACTOR IS BOUND TO PROVIDE. A SUPPLIER OR CONTRACTOR'S PRICING, WHICH IS BASED ONLY ON DRAWINGS OR SCHEDULES, MAY LEAVE IMPORTANT COSTS UNACCOUNTED FOR WHICH WILL ULTIMATELY BE THE CONTRACTOR OR SUPPLIER'S RESPONSIBILITY TO PROVIDE.

Sheet Name: DETAILS & SCHEDULES

Revisions:
05.06.2022 PERMIT/BID SET
ADD L CONSTRUCTION SET 07.1.22
REV ISSUE 08.6.22