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## **MOA ePlans Stamp**

### NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

### **DEMOLITION NOTES**

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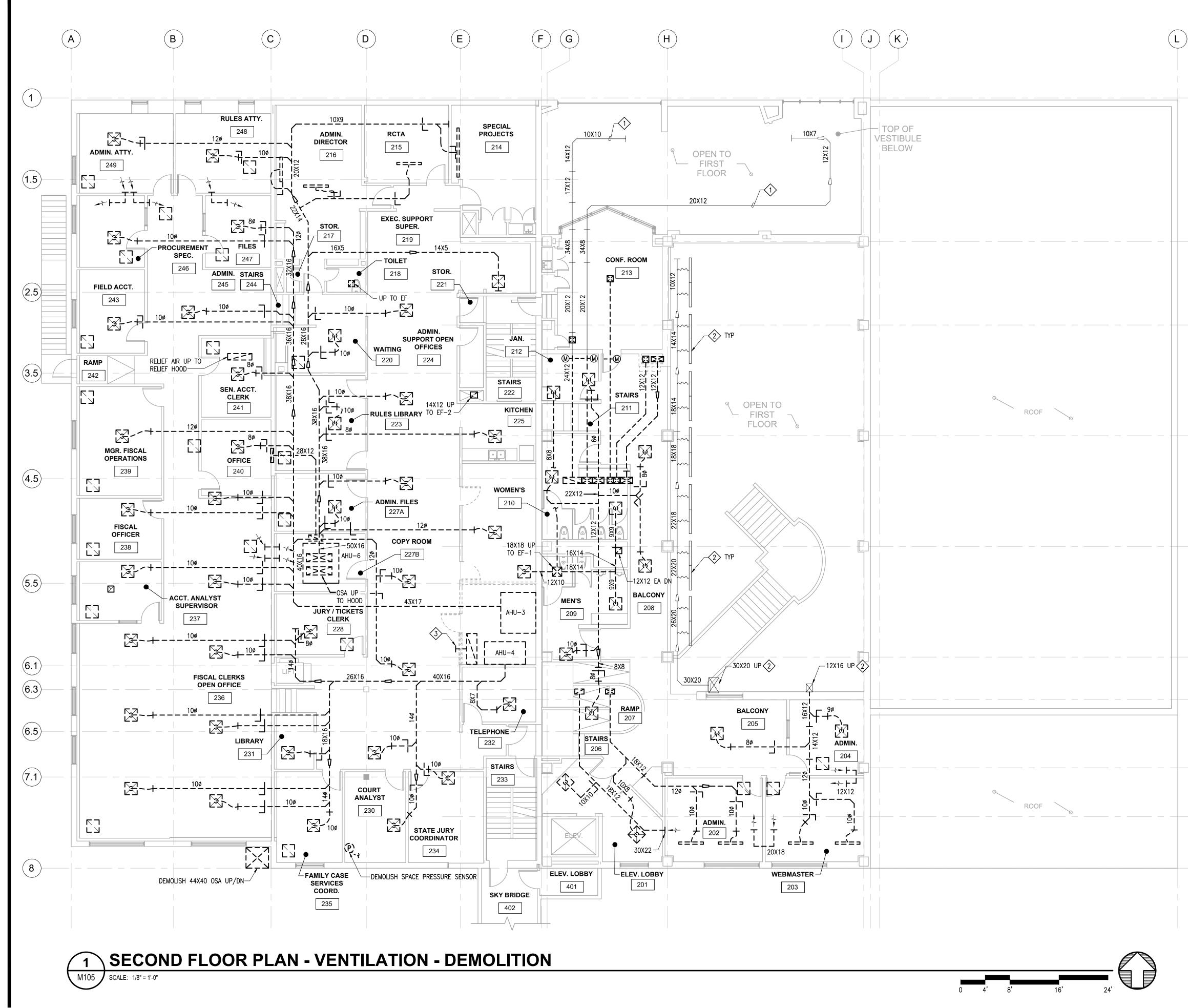
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- HRV-1 VENTILATION SYSTEM TO REMAIN.
- (2) ELEVATOR EQUIPMENT ROOM VENTILATION SYSTEM TO REMAIN.
- (3) DEMOLISH 60X42 MOTORIZED RELIEF DAMPER. LOUVER TO REMAIN.
- 4> DEMOLISH 44X40 OSA INTAKE DUCTWORK AND ROOF HOOD.
- 5 DEMOLISH 36X36 E/A ASSEMBLY. REPAIR WALL TO MATCH EXISTING. REFER TO ARCHITECTURAL.
- DEMOLISH 36X12 R/A GRILLE. PATCH AND REPAIR WALL TO MATCH  $\langle 6 \rangle$
- ADJACENT. REFER TO ARCHITECTURAL. DEMOLISH EQUIPMENT, DUCTWORK, DAMPERS, DIFFUSERS, HANGERS, AND
- ASSOCIATED CONTROLS AS INDICATED. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS. 9.





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## **DEMOLITION NOTES**

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- LOBBY DUCTWORK AND DIFFUSERS TO REMAIN.
- $\langle 2 \rangle$  ATRIUM DUCTWORK AND DIFFUSERS TO REMAIN.
- DEMOLISH 60X60 RELIEF GRILLE. PATCH AND REPAIR WALL TO MATCH ADJACENT. REFER TO ARCHITECTURAL.
- 4. DEMOLISH EQUIPMENT, DUCTWORK, DAMPERS, DIFFUSERS, HANGERS, AND ASSOCIATED CONTROLS AS INDICATED.
- 5. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- 6. FIELD VERIFY EXISTING CONDITIONS.

and the OFAL **★**:49<u>™</u> ~\_\_\_\_\_\_ Tamara D. Hamler 6/24/2022 612412022 57 EP 20 PROFESSIONAL EVEN C S N N N RA S ×⊃ C Ω Ζ 0  $\mathbf{O}$  $\mathbf{O}$ Z 4 SK AL/ SNO/ ME(

ENGINEERS

w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

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PLAN - VENTILATION			
- DEMOLITION			
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## **DEMOLITION NOTES**

DUCTWORK TO REMAIN.

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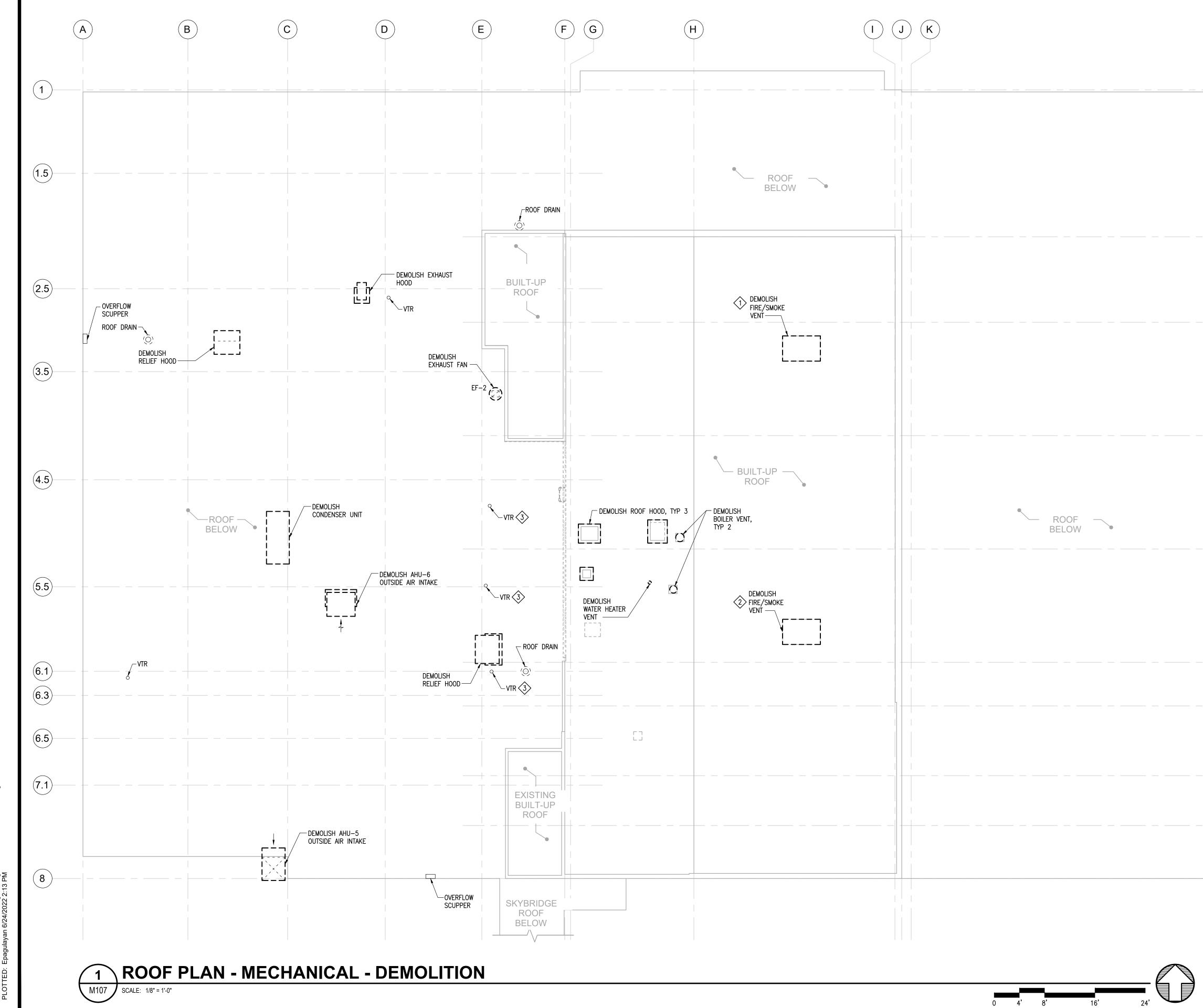
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- WALL GRILLE TO REMAIN. WIPE SURFACES CLEAN. DEMOLISH COMBINATION FIRE SMOKE DAMPER AND DUCTWORK.
- 3 PATCH WALL TO MATCH EXISTING. REFER TO ARCHITECTURAL.
- DEMOLISH LIFE SAFETY DAMPERS.
- 5. DEMOLISH DUCTWORK, DAMPERS, DIFFUSERS, HANGERS, AND ASSOCIATED CONTROLS AS INDICATED.
- 6. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- 7. FIELD VERIFY EXISTING CONDITIONS.
- 8. SEE 1/M107 FOR ROOF PLAN.

ENGINEERS w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503 millit OFAL ★:49<u>世</u> - ette Tamara D. Hamler 6/24/2022 5 CP PROFESSIONAL PROFESSIONAL 21805 C YSTEM UILDING RADES OURT ADMIN AL UP C  $\mathbf{O}$ Ż Ζ 4 SK AL/ SNO/ ME( Revisions No. Date Description 1 INCH AT FULL SIZE -IF NOT 1 INCH, SCALE ACCORDINGLY TBD/MP Designed by: Checked by: TD 21805 AMC Project: 6/24/2022 Date: Project Phase PERMIT DRAWINGS Sheet Title THIRD FLOOR PLAN **VENTILATION -**DEMOLITION Sheet Number M106



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## **DEMOLITION NOTES**

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- DEMOLISH FIRE SMOKE VENT. ROOF CURB TO REMAIN. REFER TO ARCHITECTURAL.
- DEMOLISH FIRE SMOKE VENT. PROVIDE INSULATED ROOF CAP. REFER TO ARCHITECTURAL.
- 3 DEMOLISH VTR. EXTEND VENT PIPING UP TO NEW FAN ROOM ROOF.
- 4. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- 5. FIELD VERIFY EXISTING CONDITIONS.
- PATCH AND REPAIR ROOF PENETRATIONS. REFER TO ARCHITECTURAL. 6.

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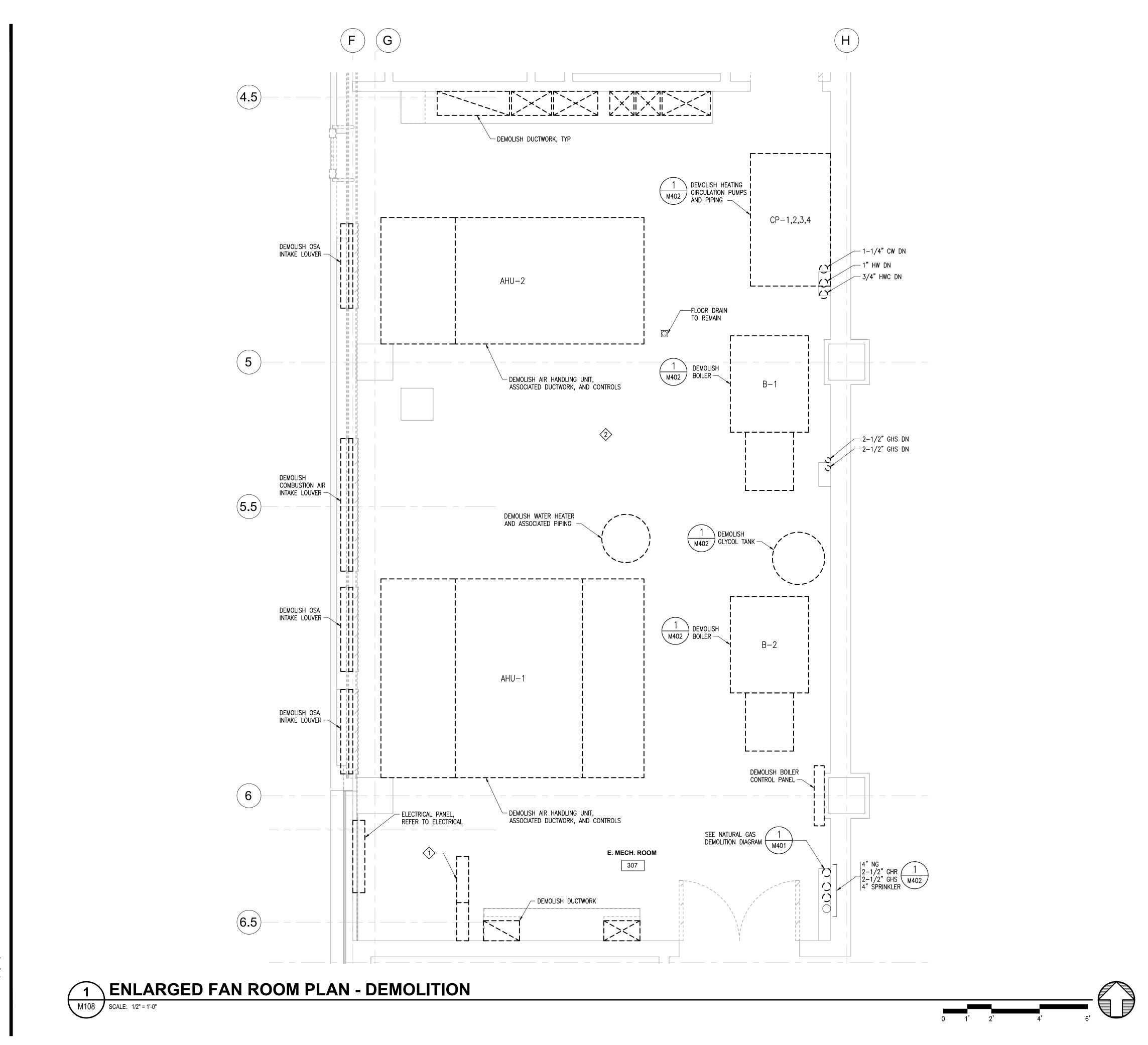
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Tamara D. Hamler 6/24/2022 ME-9981 *PROFESSIONA* 21805

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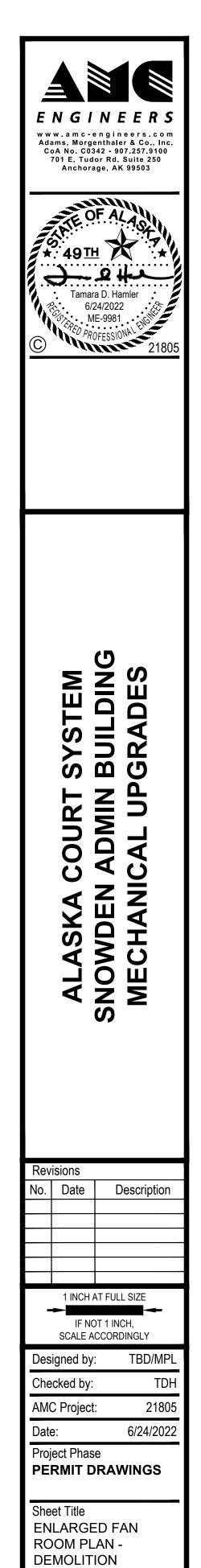
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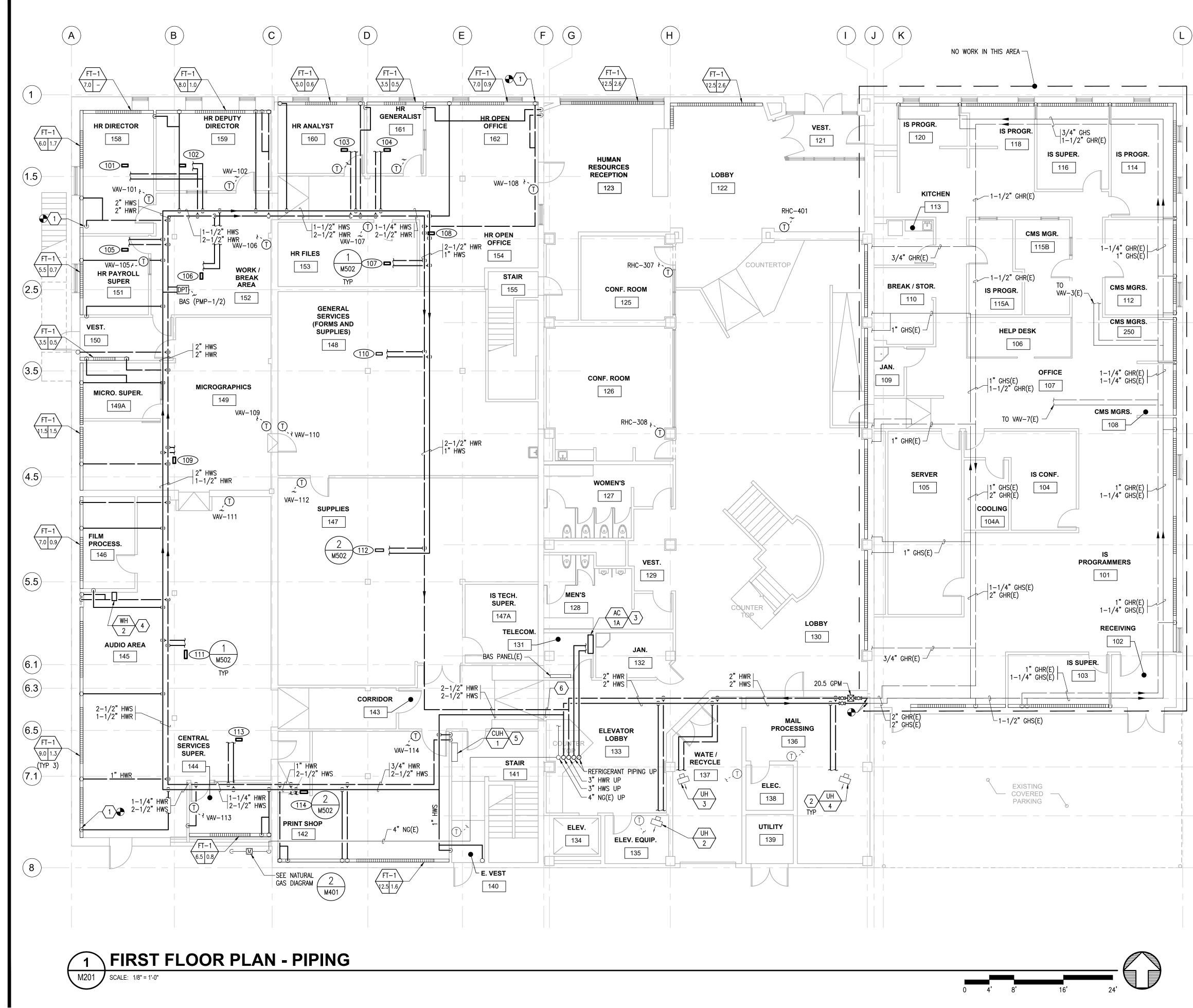
## **DEMOLITION NOTES**

- (1) REMOVE AND RETAIN BAS PANEL FOR RELOCATION.
- MODIFY FIRE PROTECTION PIPING TO SUPPORT INSTALLATION OF NEW EQUIPMENT, PIPING, AND DUCTWORK. ADD, REMOVE, OR RELOCATE SPRINKLERS TO PROVIDE FULL COVERAGE.
- 3. NOT ALL DUCTWORK, PIPING, AND EQUIPMENT SHOWN. INTENT IS TO DEMOLISH EQUIPMENT, DUCTWORK, AND PIPING WITHIN MECHANICAL ROOM COMPLETELY.
- 4. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- 5. FIELD VERIFY EXISTING CONDITIONS.



Sheet Number

**M108** 



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## SHEET NOTES

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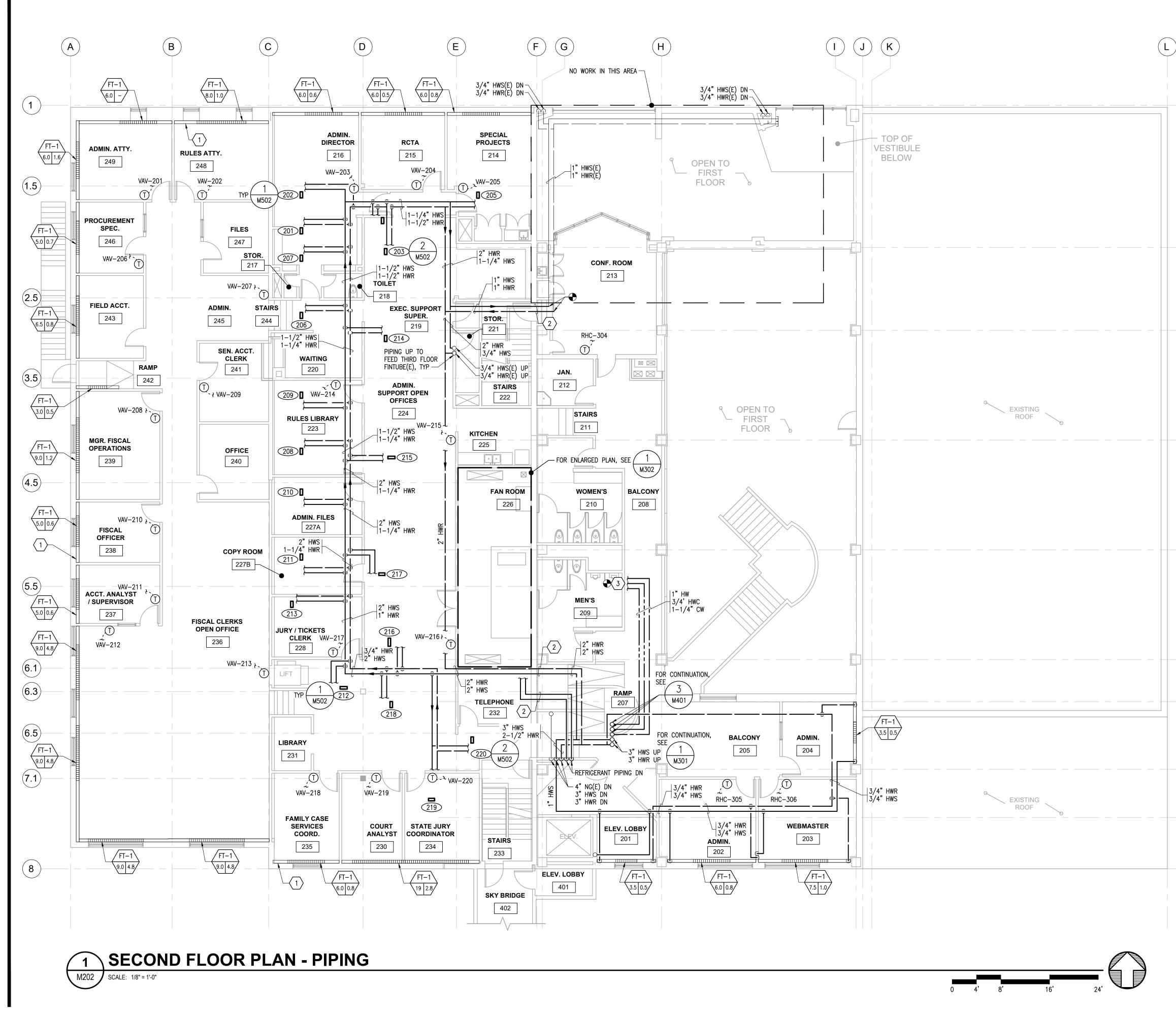
- $\langle 1 \rangle$  CONNECT EXISTING FINTUBE ON FIRST AND SECOND FLOORS, TYPICAL.
- $\langle 2 \rangle$  CONNECT EXISTING UNIT HEATER, TYPICAL, SEE DETAIL 2/M503.
- 3 ROUTE CONDENSATE DRAIN PIPING TO INDIRECT DISCHARGE TO MOP SINK IN JANITOR RM 132.
- $\begin{tabular}{|c|c|c|c|c|} \hline & $WH-2$ IN CABINET UNDER SINK. CONNECT TO CW(E) AND HW(E) PIPING $$WITH ISOLATION VALVES. $$WITH ISOLATION VALVES $$WITH ISOLATION VALVES$
- $\langle 5 \rangle$  CONNECT EXISTING CABINET UNIT HEATER, SEE DETAIL 1/M503.
- 6 PROVIDE SEISMIC PIPING LOOP TO ACCOMMODATE 2" DIFFERENTIAL MOVEMENT AT SEISMIC JOINT BETWEEN GRIDS F AND G.
- 7. MINIMUM PIPE 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4" UNLESS OTHERWISE NOTED.
- 8. MOUNT THERMOSTATS AT 48" AFF.
- 9. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAIN (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
- 10. COORDINATE PIPE ROUTING WITH VENTILATION, FIRE PROTECTION, ELECTRICAL, AND STRUCTURAL CONDITIONS. ABOVE-CEILING CLEARANCE LIMITATIONS REQUIRE CLOSE COORDINATION BETWEEN TRADES. IN GENERAL, ROUTE PIPING TO AVOID DUCTWORK. WHERE NECESSARY, ROUTE PIPING THROUGH JOISTS AND/OR PENETRATION IN STRUCTURAL BEAMS. COORDINATE WITH STRUCTURAL ENGINEER FOR APPROVAL OF PENETRATIONS IN STRUCTURE.
- 11. VACUUM FINTUBE ELEMENTS AND WIPE DOWN FINTUBE ENCLOSURES IN AREAS OF WORK.



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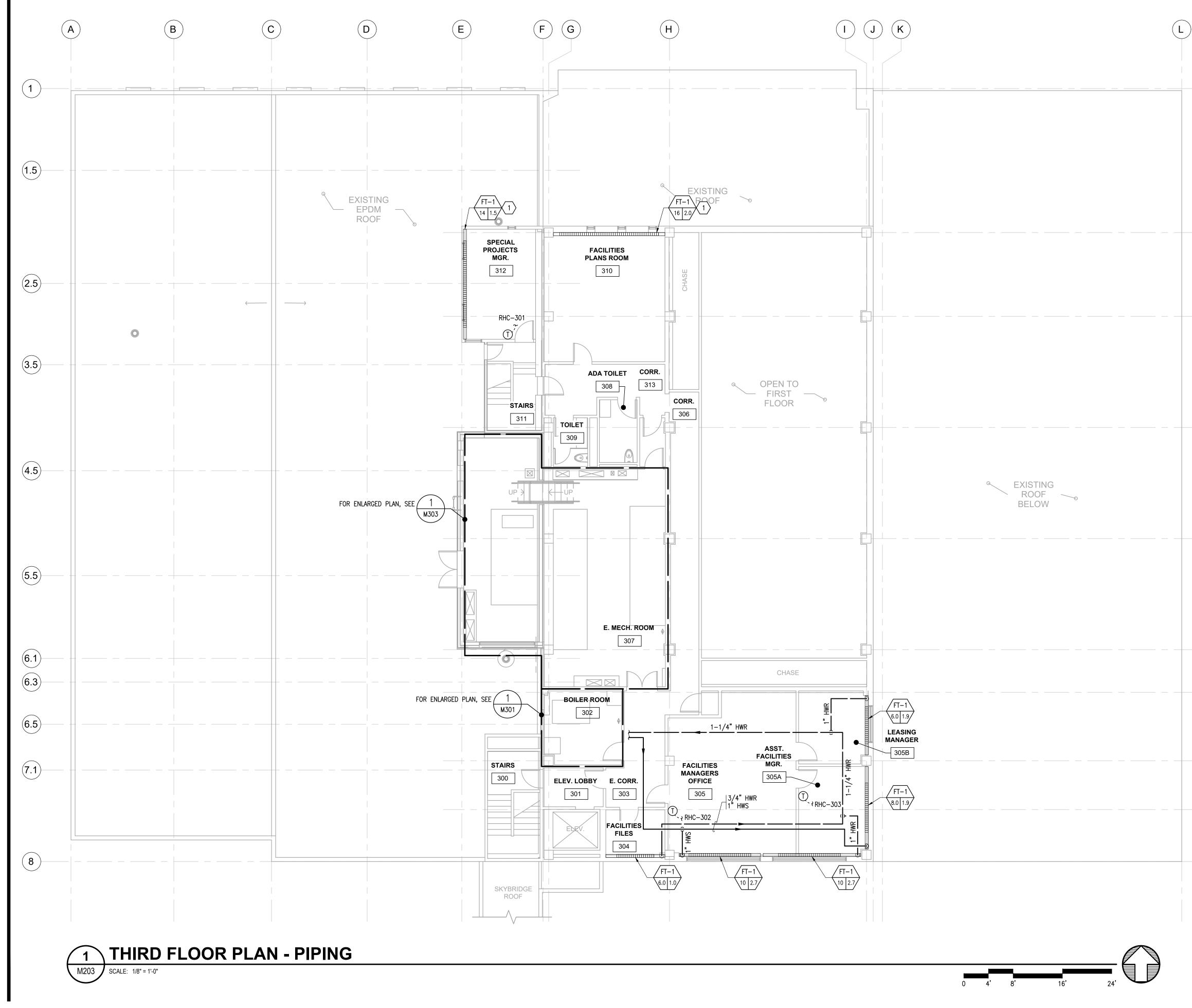
- 1 PIPING TO FINTUBE FROM FLOOR BELOW, TYPICAL. REFER TO 1/M201. 2 PROVIDE SEISMIC PIPING LOOP TO ACCOMMODATE 2" DIFFERENTIAL
- MOVEMENT AT SEISMIC JOINT BETWEEN GRIDS F AND G.
- CONNECT 1-1/4" CW, 1" HW. AND 3/4" HWC TO EXISTING PLUMBING PIPING IN TOILET ROOM.
- 4. BALANCE EXISTING FINTUBE TO INDICATED GPM, TYPICAL.
- 5. MINIMUM PIPE 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4" UNLESS OTHERWISE NOTED.
- 6. MOUNT THERMOSTATS AT 48" AFF.
- 7. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
- 8. COORDINATE PIPE ROUTING WITH VENTILATION, FIRE PROTECTION, ELECTRICAL, AND STRUCTURAL CONDITIONS. ABOVE-CEILING CLEARANCE LIMITATIONS REQUIRE CLOSE COORDINATION BETWEEN TRADES. IN GENERAL, ROUTE PIPING TO AVOID DUCTWORK. WHERE NECESSARY, ROUTE PIPING THROUGH JOISTS AND/OR PENETRATION IN STRUCTURAL BEAMS. COORDINATE WITH STRUCTURAL ENGINEER FOR APPROVAL OF PENETRATIONS IN STRUCTURE.
- 9. VACUUM FINTUBE ELEMENTS AND WIPE DOWN FINTUBE ENCLOSURES IN AREAS OF WORK, TYPICAL.
- 10. FOR TYPICAL PIPE PENETRATION, SEE DETAIL 1/M506.

ENGINEERS w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503 and his EOF ALA **1** ★ : 49 <u>TH</u> ★ ~24~ Tamara D. Hamler 6/24/2022 PE-9981 PROFESSIONAL 21805

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**M202** 



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## MOA ePlans Stamp

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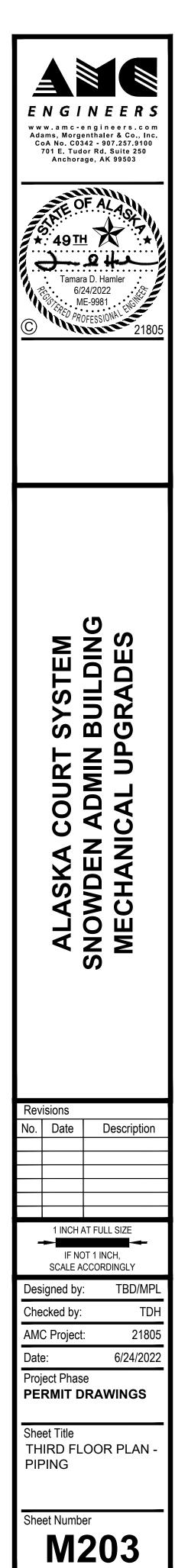
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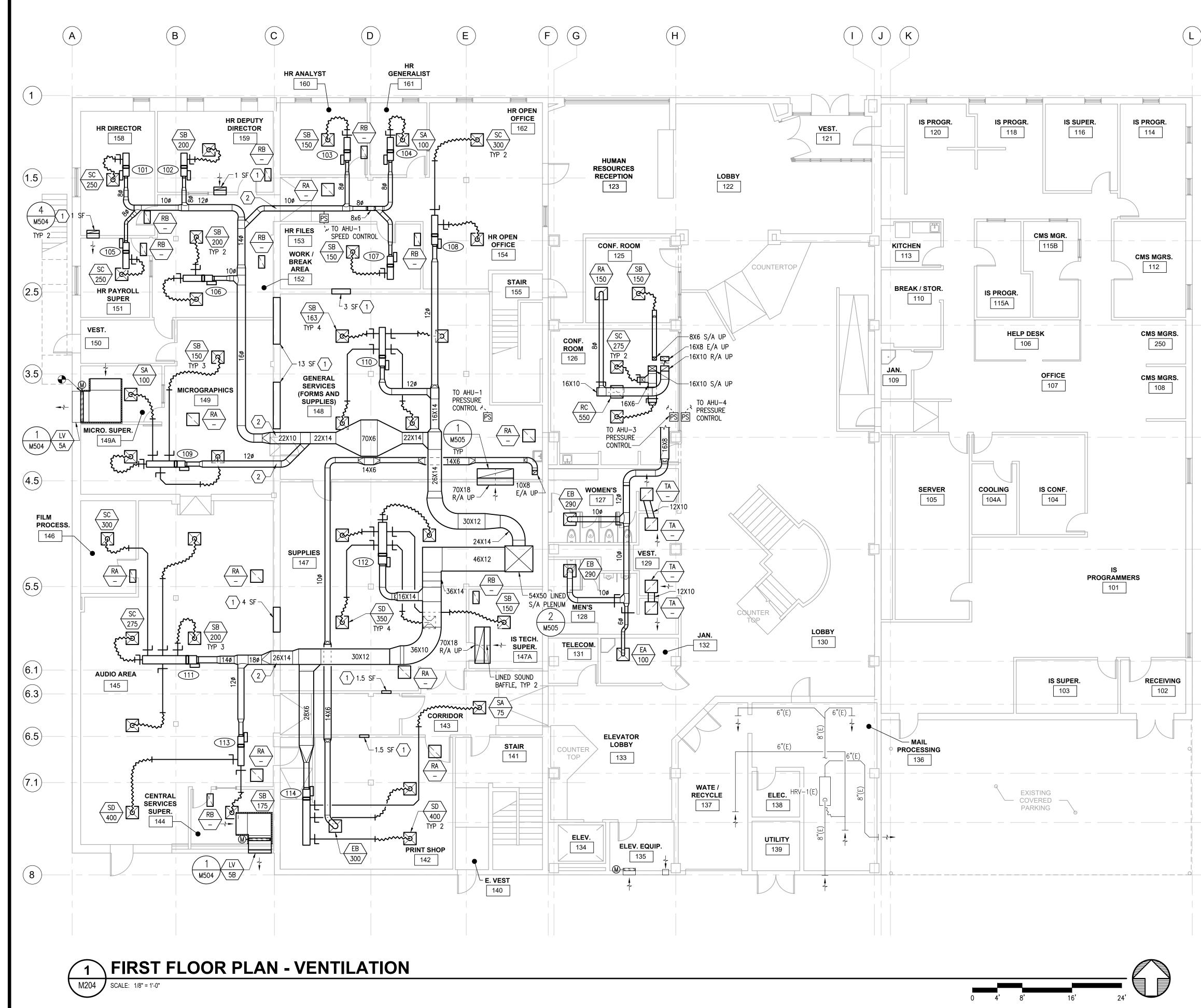
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- 1 PIPING TO FINTUBE FROM FLOOR BELOW. REFER TO 1/M202.
- 2. MINIMUM PIPE 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4" UNLESS OTHERWISE NOTED.
- 3. MOUNT THERMOSTATS AT 48" AFF.
- 4. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
- 5. COORDINATE PIPE ROUTING WITH VENTILATION, FIRE PROTECTION, ELECTRICAL, AND STRUCTURAL CONDITIONS. ABOVE-CEILING CLEARANCE LIMITATIONS REQUIRE CLOSE COORDINATION BETWEEN TRADES. IN GENERAL, ROUTE PIPING TO AVOID DUCTWORK. WHERE NECESSARY, ROUTE PIPING THROUGH JOISTS AND/OR PENETRATION IN STRUCTURAL BEAMS. COORDINATE WITH STRUCTURAL ENGINEER FOR APPROVAL OF PENETRATIONS IN STRUCTURE.
- 6. VACUUM FINTUBE ELEMENTS AND WIPE DOWN FINTUBE ENCLOSURES IN AREAS OF WORK, TYP.
- 7. FOR TYPICAL PIPE PENETRATION, SEE 1/M506.
- 8. SEE 1/M207 FOR ROOF PLAN.





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- PROVIDE R/A TRANSFER OPENING ABOVE CEILING WITH MINIMUM FREE AREAS INDÍCATED.
- PROVIDE DUCT SLEEVE AT CONCRETE WALL PENETRATION. REFER TO  $\langle 2 \rangle$ STRUCTURAL.
- REFER TO VENTILATION DIAGRAM 1/M404.
- REFER TO STANDARD LOW VELOCITY DUCT SCHEDULE FOR DUCT SIZES DOWNSTREAM OF VAV BOX.
- FOR TYPICAL DUCT PENETRATION, SEE DETAIL 1/M506.
- FOR TYPICAL DUCT CONSTRICTION, SEE DETAIL 2/M506.
- FOR TYPICAL DUCT FITTINGS, SEE DETAIL 3/M506.
- FOR TYPICAL FLEXIBLE DUCT CONNECTION, SEE DETAIL 4/M506. 8
- FOR TYPICAL E/A GRILLE CONNECTION, SEE DETAIL 5/M506. 9.
- 10. FOR TYPICAL VAV BOX, SEE DETAIL 3/M505.

#### STANDARD LOW VELOCITY DUCT SCHEDULE

MAX CFM	MIN DUCT DIA (INCHES)	MIN RECT DUCT AREA (SQ INCHES)	MIN FLEX DUCT DIA (INCHES)
105	6	28	6
185	8	49	8
290	10	77	10
420	12	112	12
575	14	153	14
750	16	200	16
950	18	253	18
1150	20	306	20

NOTES:

- 1. THIS SCHEDULE APPLIES TO SUPPLY AIR DUCTWORK DOWNSTREAM OF ZONE TERMINAL DEVICES (BOX, HC, OR BRANCH DUCT AS SHOWN), UNLESS OTHERWISE SIZED ON DRAWINGS.
- 2. PROVIDE MINIMUM OF 10 FT (MAX 12 FEET) FLEX DUCT FROM SUPPLY AIR OUTLET BACK TO OUTLET BALANCING DAMPER WITH MAX OF ONE 90 DEGREE BEND. SUPPORT FLEX DUCT WITH HANGERS TO PREVENT CRIMPING.
- 3. PROVIDE RIGID DUCT OUTLETS FROM ZONE TERMINAL WITH BALANCING DAMPERS.
- 4. RIGID DUCT SERVING MORE THAN ONE OUTLET OR INLET SHALL BE INCREASED IN SIZE IN ACCORDANCE WITH THIS SCHEDULE.
- 5. REFER TO SMACNA DUCT CONSTRUCTION STANDARDS FOR ACCEPTABLE CONSTRUCTION.

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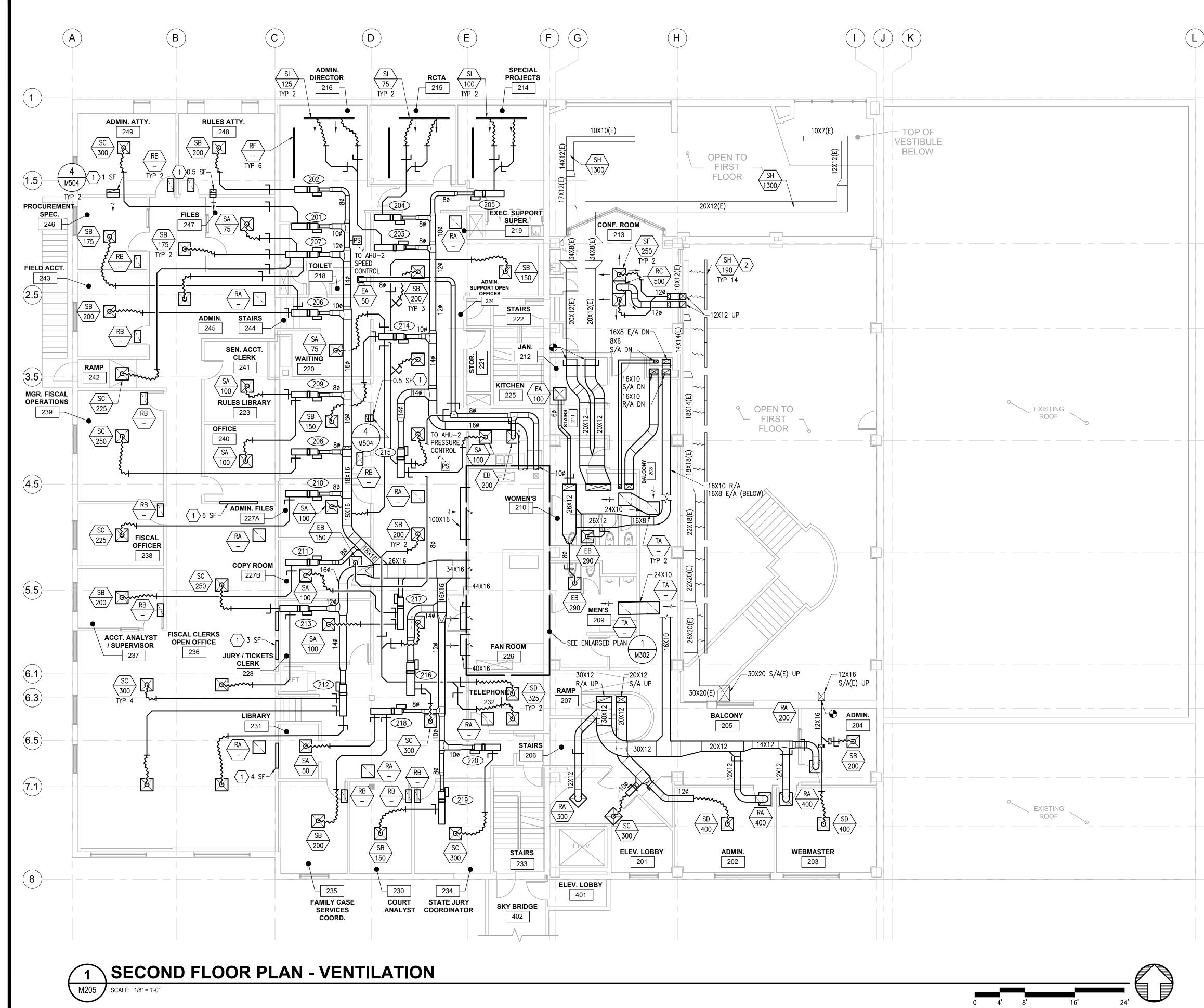
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Sheet Number

**M204** 



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## **MOA ePlans Stamp**

## NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

## SHEET NOTES

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- PROVIDE R/A TRANSFER OPENING ABOVE CEILING WITH MINIMUM FREE AREAS INDICATED.
- REMOVE EXISTING DIFFUSER AND WIPE DOWN SURFACE. VACUUM AND WIPE DOWN EXISTING DUCTWORK AND REINSTALL EXISTING DIFFUSER.
   REFER TO VENTILATION DIAGRAM 1/M404.
- 4. REFER TO STANDARD LOW VELOCITY DUCT SCHEDULE FOR DUCT SIZES DOWNSTREAM AIR TERMINAL UNIT.
- 5 INSTALL FIRE DAMPERS IN ACCORDANCE WITH MANUFACTURER
- <sup>3.</sup> INSTRUCTIONS AND PRODUCT LISTING.
- 6. DUCTWORK BETWEEN GRIDLINES A AND C IS ROUTED THROUGH EXISTING WEB JOISTS. FIELD VERIFY DUCT ROUTING WITH EXISTING CONDITIONS.
- 7. FOR TYPICAL DUCT PENETRATION, SEE DETAIL 1/M506.
- 8. FOR TYPICAL DUCT FITTINGS, SEE DETAIL 3/M506.
- 9. FOR TYPICAL DUCT CONSTRICTION, SEE DETAIL 2/M506.
- 10. FOR TYPICAL FLEXIBLE DUCT CONNECTION, SEE DETAIL 4/M506.
- 11. FOR TYPICAL E/A GRILLE CONNECTION, SEE DETAIL 5/M506.

#### STANDARD LOW VELOCITY DUCT SCHEDULE

MAX CFM	MIN DUCT DIA (INCHES)	MIN RECT DUCT AREA (SQ INCHES)	MIN FLEX DUCT DIA (INCHES)
105	6	28	6
185	8	49	8
290	10	77	10
420	12	112	12
575	14	153	14
750	16	200	16
950	18	253	18
1150	20	306	20

NOTES:

- 1. THIS SCHEDULE APPLIES TO SUPPLY AIR DUCTWORK DOWNSTREAM OF ZONE TERMINAL DEVICES (BOX, HC, OR BRANCH DUCT AS SHOWN), UNLESS OTHERWISE SIZED ON DRAWINGS.
- PROVIDE MINIMUM OF 10 FT (MAX 12 FEET) FLEX DUCT FROM SUPPLY AIR OUTLET BACK TO OUTLET BALANCING DAMPER WITH MAX OF ONE 90 DEGREE BEND. SUPPORT FLEX DUCT WITH HANGERS TO PREVENT CRIMPING.
- 3. PROVIDE RIGID DUCT OUTLETS FROM ZONE TERMINAL WITH BALANCING DAMPERS.
- 4. RIGID DUCT SERVING MORE THAN ONE OUTLET OR INLET SHALL BE INCREASED IN SIZE IN ACCORDANCE WITH THIS SCHEDULE.
- 5. REFER TO SMACNA DUCT CONSTRUCTION STANDARDS FOR ACCEPTABLE CONSTRUCTION.

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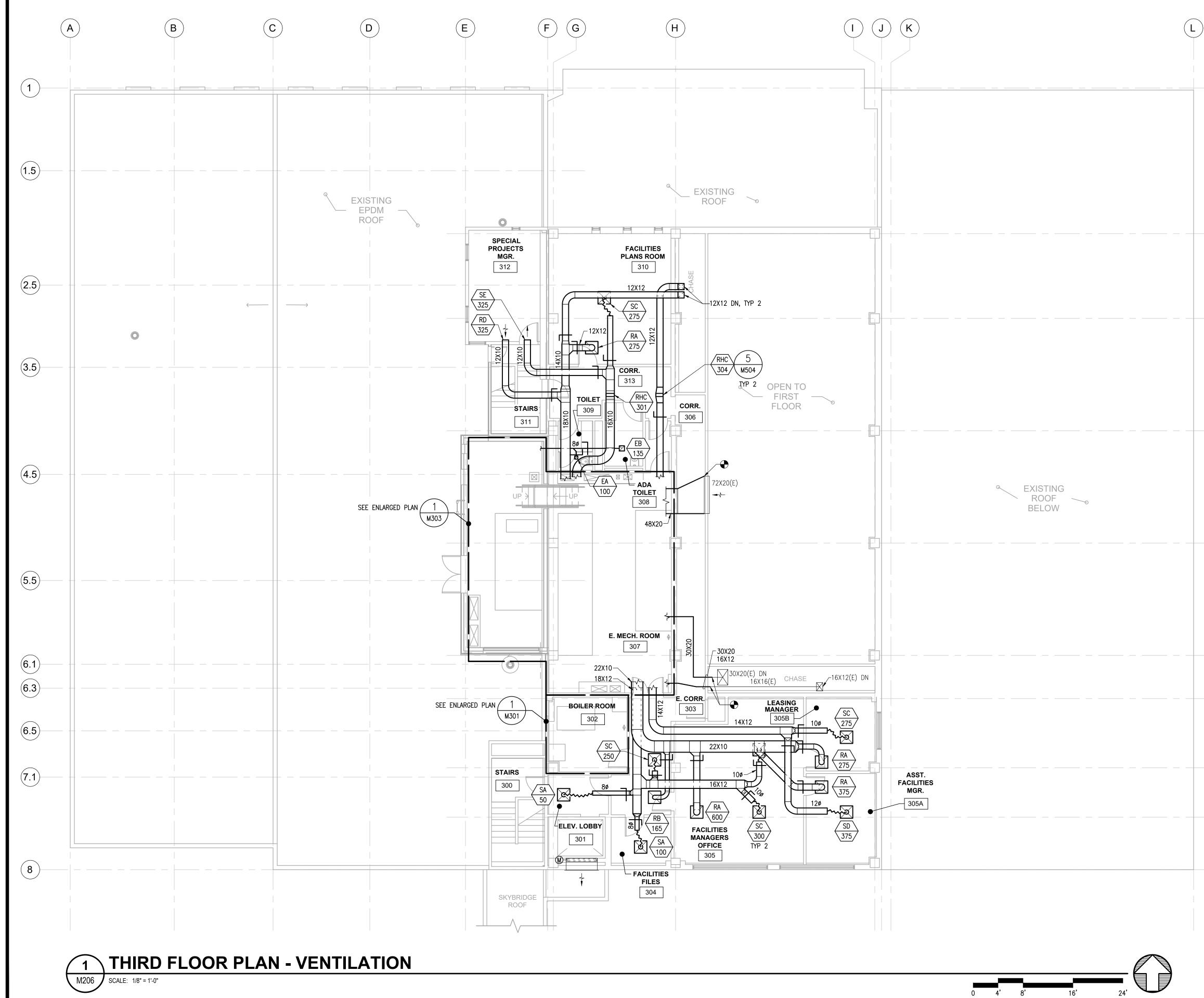
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## NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

### SHEET NOTES

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- 1. REFER TO VENTILATION DIAGRAM 1/M404.
- 2. FOR TYPICAL DUCT PENETRATION, SEE DETAIL 1/M506.
- 3. FOR TYPICAL DUCT CONSTRICTION, SEE DETAIL 2/M506.
- 4. FOR TYPICAL DUCT FITTINGS, SEE DETAIL 3/M506.
- 5. FOR TYPICAL FLEXIBLE DUCT CONNECTION, SEE DETAIL 4/M506.
- 6. FOR TYPICAL E/A GRILLE CONNECTION, SEE DETAIL 5/M506.
- 7. SEE 1/M207 FOR ROOF PLAN.

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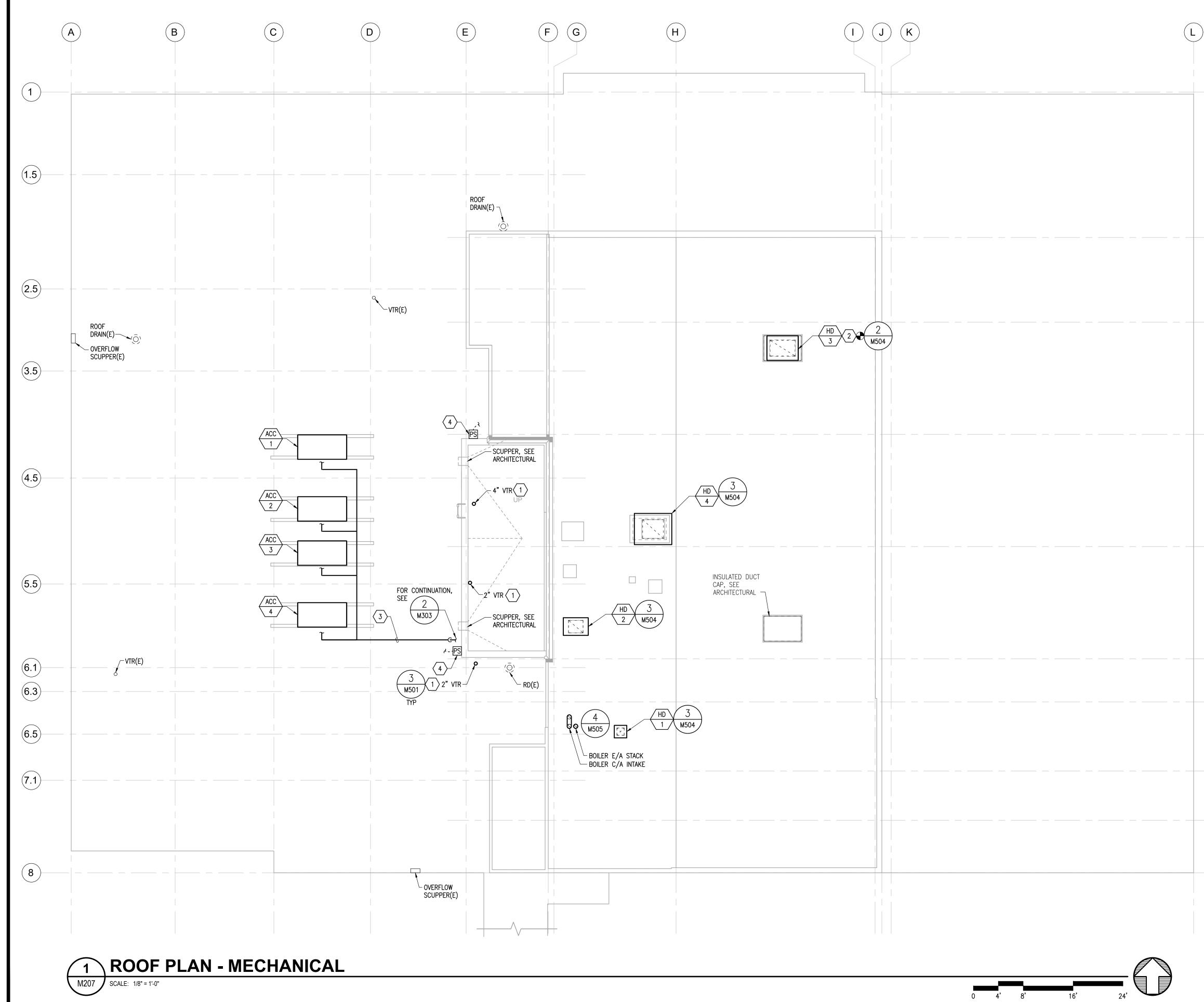
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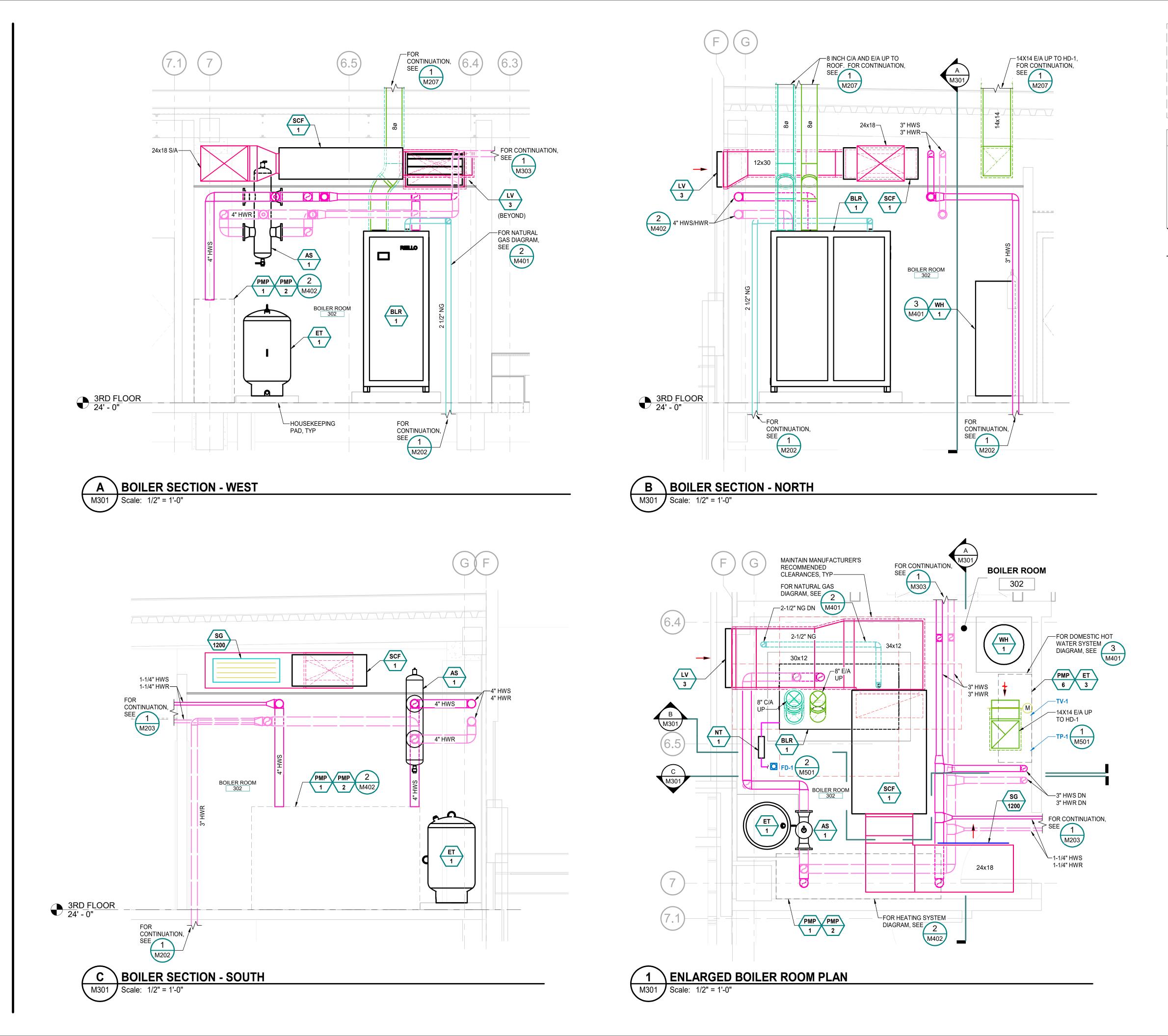
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- $\langle 1 \rangle$  EXTEND EXISTING VTR THROUGH FAN ROOM ROOF, TYPICAL.
- 2 PROVIDE HOOD AND MOTORIZED DAMPER ON ROOF CURB. REFER TO ARCHITECTURAL
- 3REFRIGERANT PIPING STACKED VERTICALLY AND SUPPORTED FROM ROOF<br/>SURFACE WITH FIELD FABRICATED SUPPORTS ROUTED FROM ACC-1,<br/>ACC-2, ACC-3, AND ACC-4 TO CC-1, CC-2, CC-3, AND CC-4 IN FAN<br/>ROOM. PROVIDE REFRIGERANT PIPING AND VALVING IN ACCORDANCE WITH<br/>MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
- OUTDOOR AMBIENT STATIC PRESSURE REFERENCE HEAD SENSOR, TYPICAL 2. REFER TO DETAIL 6/M506.
- 5. FOR TYPICAL VENT THRU ROOF, SEE DETAIL 3/M501.

ENGINEERS w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503 millit OFALA ★:49<u>世</u> ~2# Tamara D. Hamler 6/24/2022 5 CP PROFESSIONAL PROFESSIONAL 21805 C SYSTEM BUILDING GRADES OURT SOURT 4 S C ANI Ζ 4 SK AL/ SNO/ ME(

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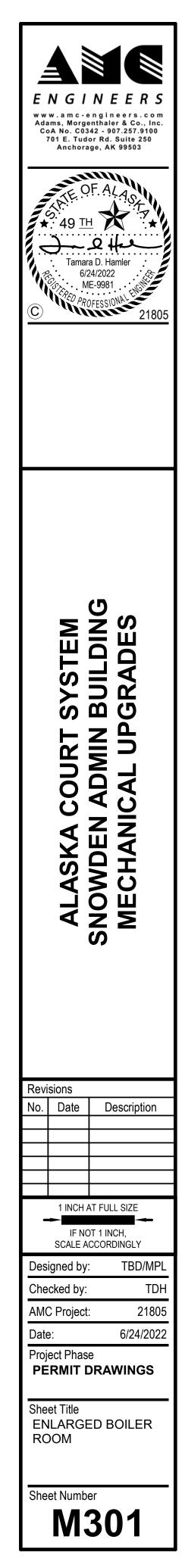
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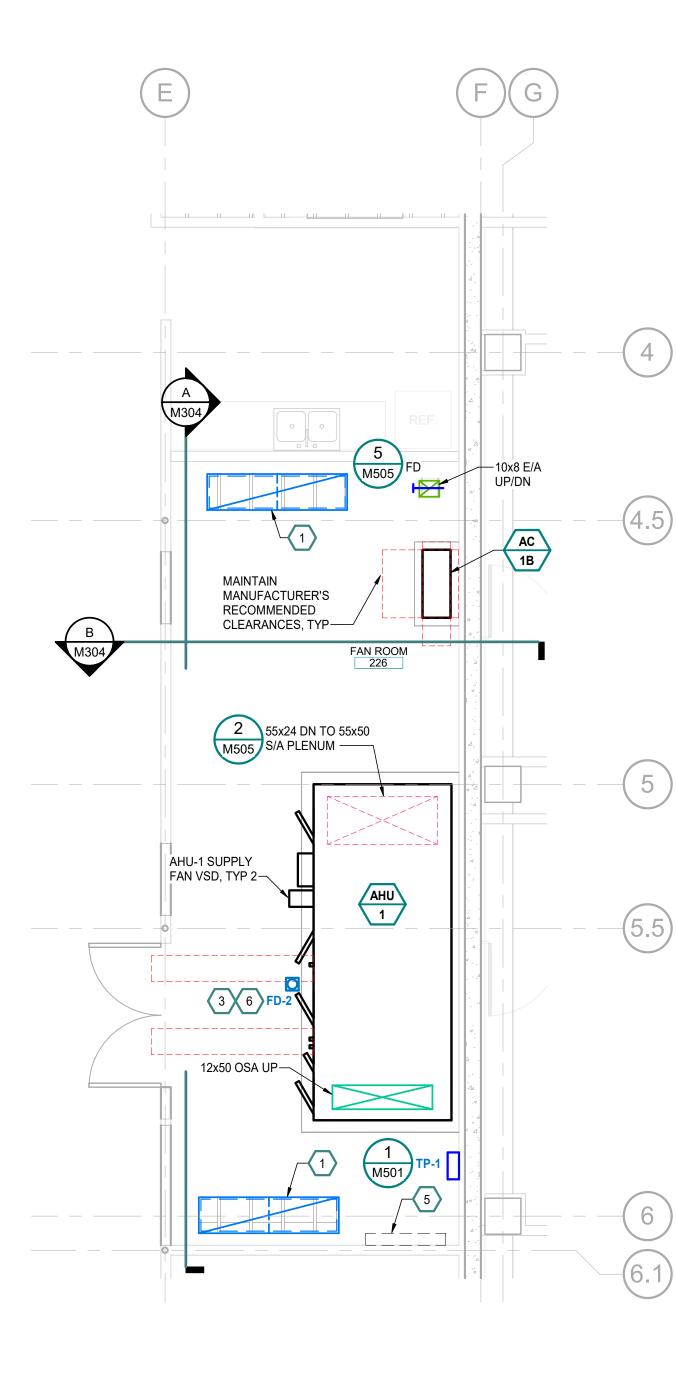
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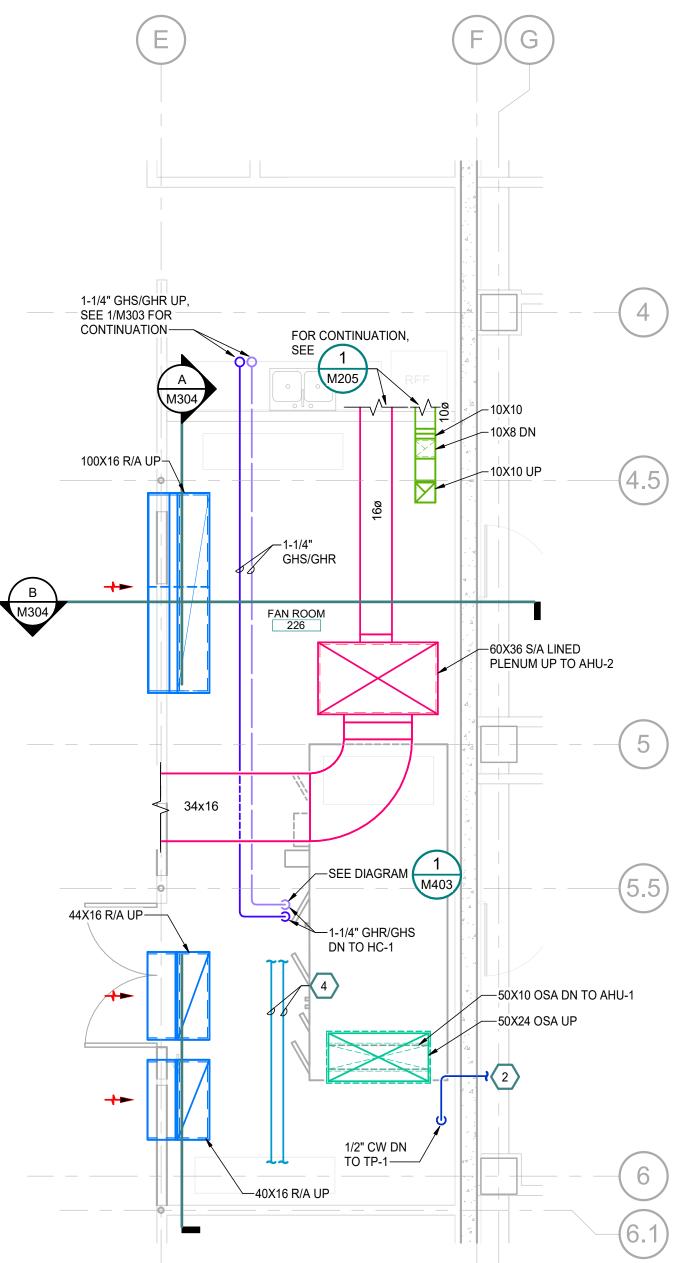
## SHEET NOTES

- 1. MINIMUM PIPE SIZE IS 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4", UNLESS OTHERWISE NOTED.
- 2. PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
- 3. FOR TYPICAL PIPE AND DUCT PENETRATION, SEE DETAIL 1/M506.











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#### NOTIFICATION OF POTENTIAL HAZARDS

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## SHEET NOTES

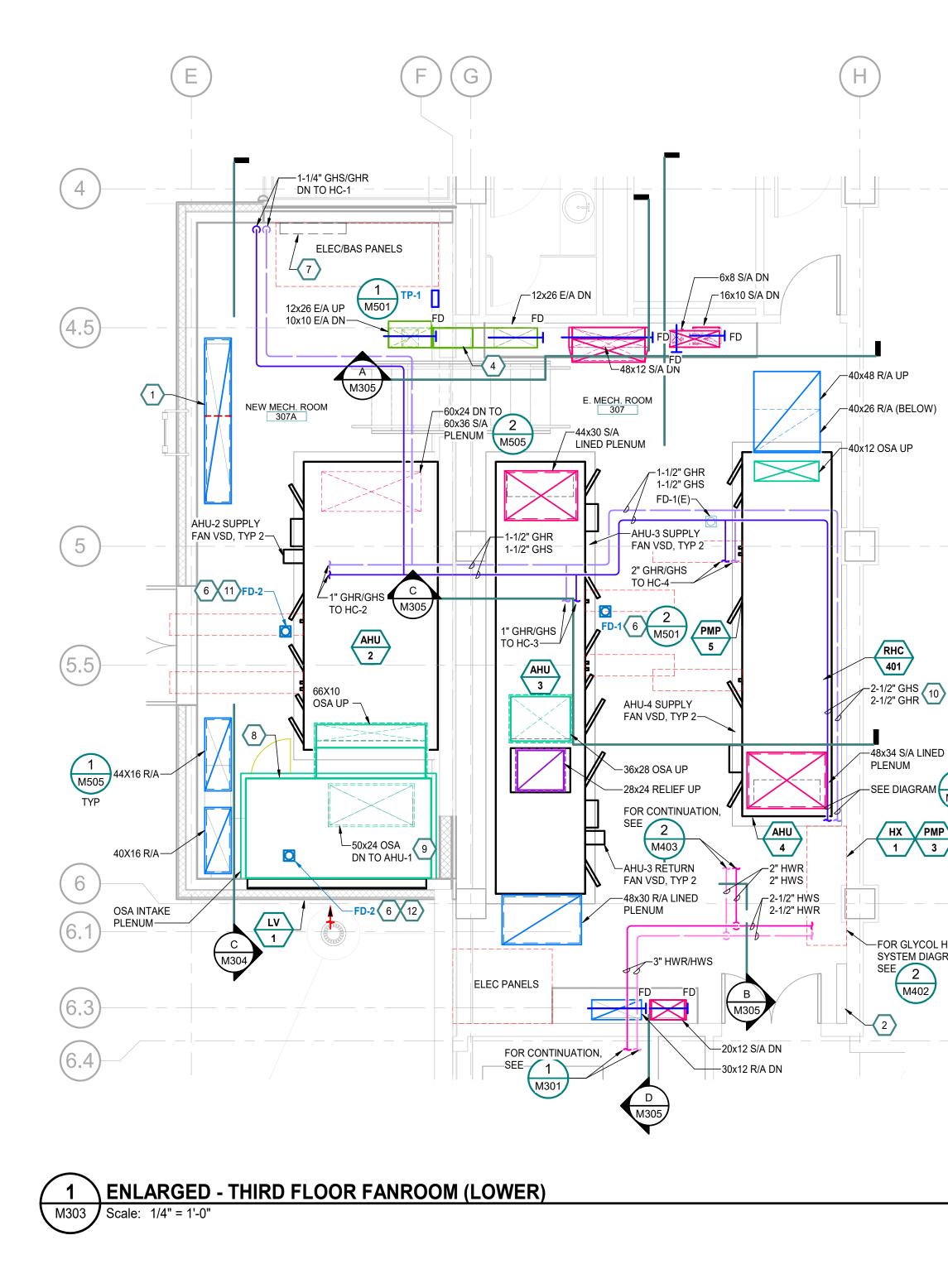
$\langle 1 \rangle$	70x18 R/A DUCT WITH LINED SOUND BAFFLE. TERMINATE DUCT AT 3' AFF WITH 1/2" MESH SCREEN, TYP 2.
$\langle 2 \rangle$	CONNECT 1/2" CW PIPE TO CW(E) IN ADJACENT TOILET ROOM.
3	FIELD ROUTE AND CONNECT FD-2 WASTE AND VENT PIPING TO DWV(E) PIPING IN CEILING BELOW. CONNECT P-TRAP TO TP-1 IN FAN ROOM 226.
$\langle 4 \rangle$	FIELD ROUTE REFRIGERATION PIPING TO/FROM AC-1A IN TELECOM 131 TO AC-1B IN FAN ROOM 226.
$\left< 5 \right>$	RELOCATE EXISTING BAS PANEL. REFER TO ELECTRICAL.
6	PROVIDE 12X24 SHEET METAL DRAIN PAN WITH FLOOR DRAIN, SEE DETAIL 4/M501.
7.	MINIMUM PIPE SIZE IS 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4", UNLESS OTHERWISE NOTED.
8.	PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
9.	FOR TYPICAL PIPE AND DUCT PENETRATION, SEE DETAIL 1/M506.
10.	PROVIDE SEISMIC PIPING LOOP FOR PIPING TO ACCOMMODATE 2" DIFFERENTIAL MOVEMENT AT SEISMIC JOINT BETWEEN GRIDS F AND G.

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#### SHEET NOTES

- 100X16 R/A DUCT WITH LINED SOUND BAFFLE. TERMINATE DUCT AT 3' AFF WITH 1/2" MESH SCREEN.
- 2 SPRINKLER MAIN TO AND BOILER ROOM. SPRINKLER MAIN TO REMAIN. PROVIDE SPRINKLER COVERAGE TO FAN ROOM
- LOCATE DUCT MOUNTED REHEAT COIL AT 48" AFF, TYP 4. REFER TO DETAIL
- $\langle 3 \rangle$ 5/M504.
- 4 PROVIDE FLEXIBLE DUCT CONNECTION TO ACCOMMODATE MOVEMENT AT SEISMIC JOINT BETWEEN GRIDS F AND G. PROVIDE FLEXIBLE DUCT CONNECTION TO ACCOMMODATE 2" DIFFERENTIAL
- 5 CONNECT 1/2" CW PIPE TO CW(E) IN ADJACENT TOILET ROOM.
- FIELD ROUTE AND CONNECT FLOOR DRAIN WASTE AND VENT PIPING TO DWV(E) 6 FIELD ROUTE AND CONNECT FLOOR DRAIN WASTE AND VENT PIPING TO DWV(E) PIPING IN CEILING BELOW. CONNECT P-TRAP TO TP-1 IN NEW MECH. ROOM 307A.
- $\langle 7 \rangle$ RELOCATE EXISTING BAS PANEL. REFER TO ELECTRICAL.
- 8 PROVIDE 24" WIDE ACCESS DOOR.

RHC 401

-48x34 S/A LINED

-SEE DIAGRAM

FOR GLYCOL HEATING SYSTEM DIAGRAM, SEE 2 M402

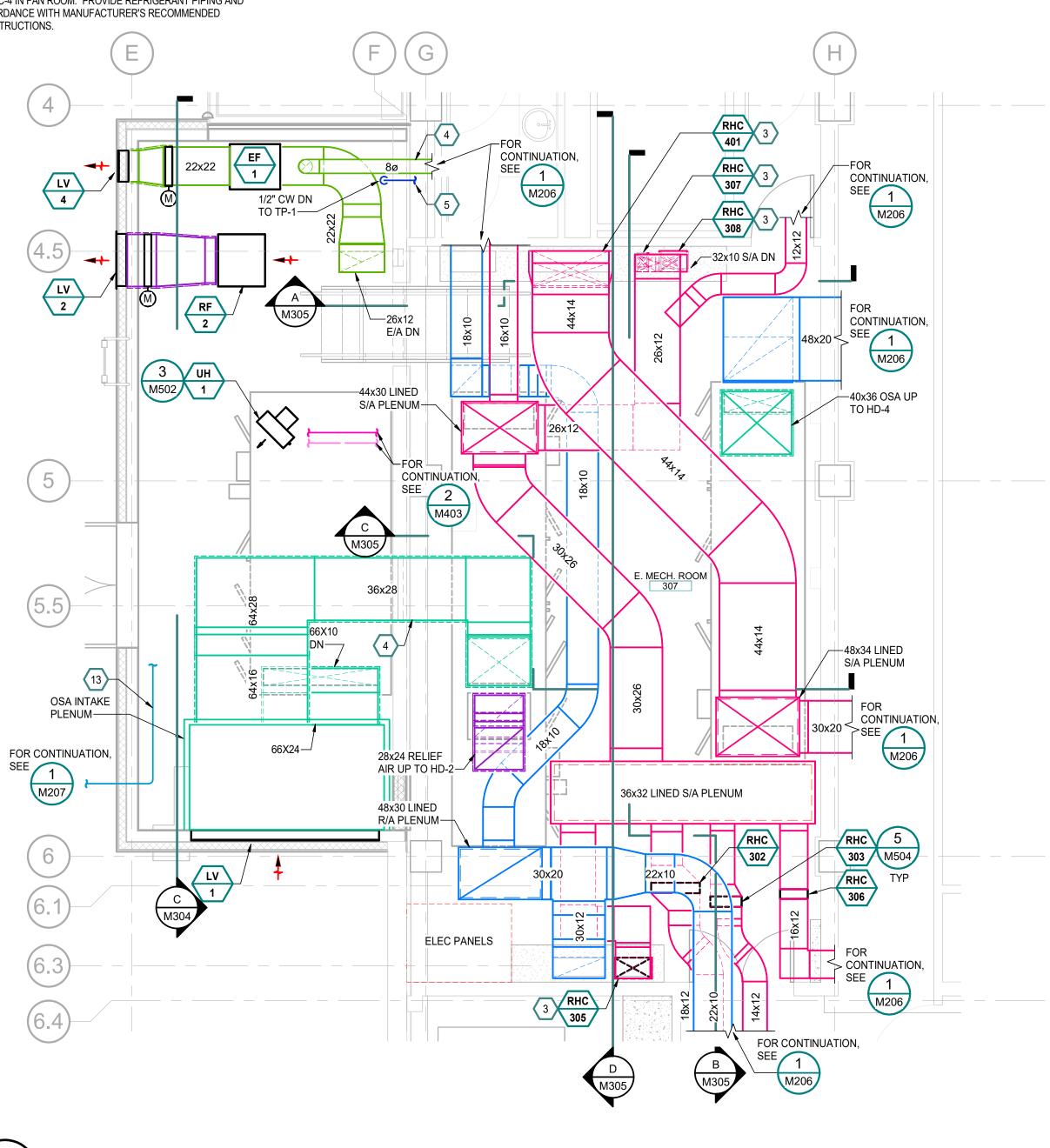
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PLENUM

- 9 TERMINATE DUCT AT 3' AFF WITH 1/2" MESH SCREEN.
- $\langle 10 \rangle$ GHS/GHR PIPING SHOWN OFFSET FOR CLARITY. ROUTE PIPING VERTICALLY
- ALONG WALL.
- 11 PROVIDE 12X24 SHEET METAL DRAIN PAN WITH FLOOR DRAIN, SEE DETAIL 4/M501.
- $\langle 12 \rangle$ PROVIDE 112X60 SHEET METAL DRAIN PAN WITH FLOOR DRAIN FOR OSA INTAKE PLENUM, SEE DETAIL 4/M501.
- REFRIGERANT PIPING ROUTED FROM ACC-1, ACC-2, ACC-3, AND ACC-4 TO CC-1,  $\langle 13 \rangle$ CC-2, CC-3, AND CC-4 IN FAN ROOM. PROVIDE REFRIGERANT PIPING AND VALVING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.

- PROVIDE SEISMIC PIPING LOOP FOR PIPING TO ACCOMMODATE 2" DIFFERENTIAL 14. MOVEMENT AT SEISMIC JOINT BETWEEN GRIDS F AND G.
- MINIMUM PIPE SIZE IS 3/4". TERMINAL DEVICE BRANCH PIPE IS 3/4", UNLESS 15. OTHERWISE NOTED.
- PROVIDE MANUAL HIGH POINT VENTS, LOW POINT DRAINS (WITH CAPPED HOSE CONNECTIONS), AND SLOPE PIPING TO ALLOW FOR COMPLETE DRAINAGE OF THE HYDRONIC SYSTEM.
- 17. THE THIRD FLOOR FLOOR ASSEMBLY IS A ONE HOUR FIRE BARRIER EAST OF GRIDLINE G. PROVIDE FIRESTOPPING AT THIRD FLOOR PENETRATIONS TO MAINTAIN REQUIRED FIRE RATED ASSEMBLY.
- GHS/GHR PIPING SHOWN ON LOWER PLAN FOR CLARITY, SEE DIAGRAM 1/M403.
- FOR TYPICAL PIPE AND DUCT PENETRATION, SEE DETAIL 1/M506. 19.



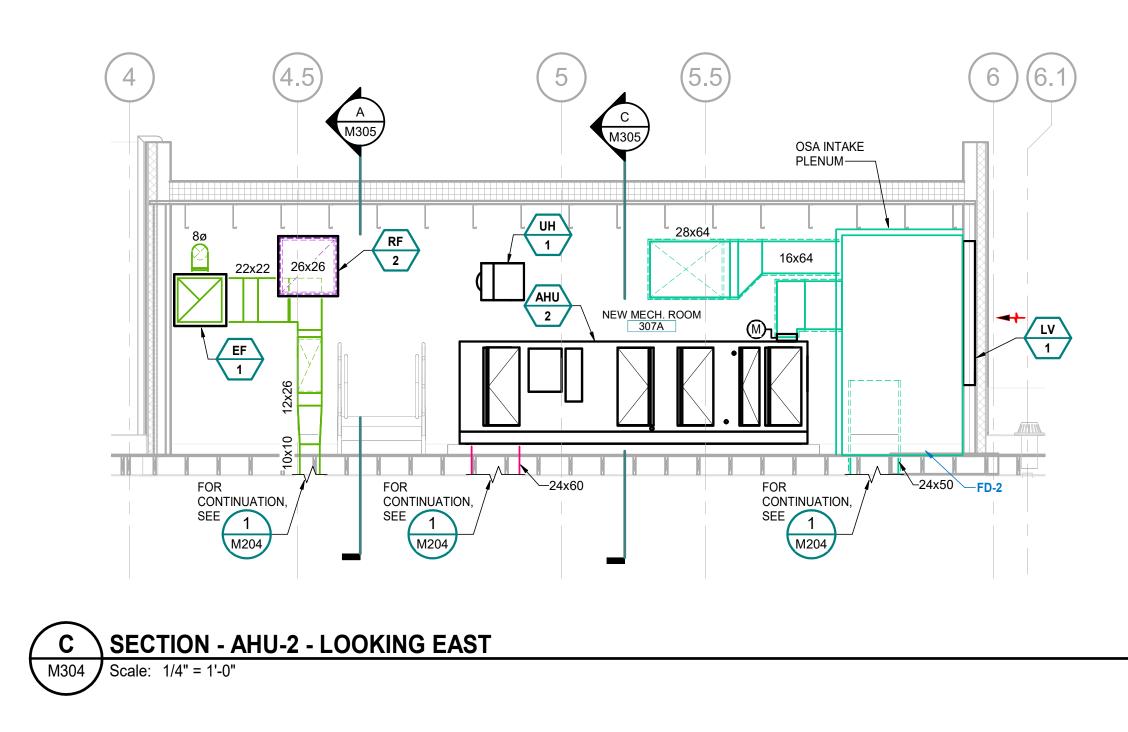
**ENLARGED - THIRD FLOOR FANROOM (UPPER)** 2 M303 Scale: 1/4" = 1'-0"

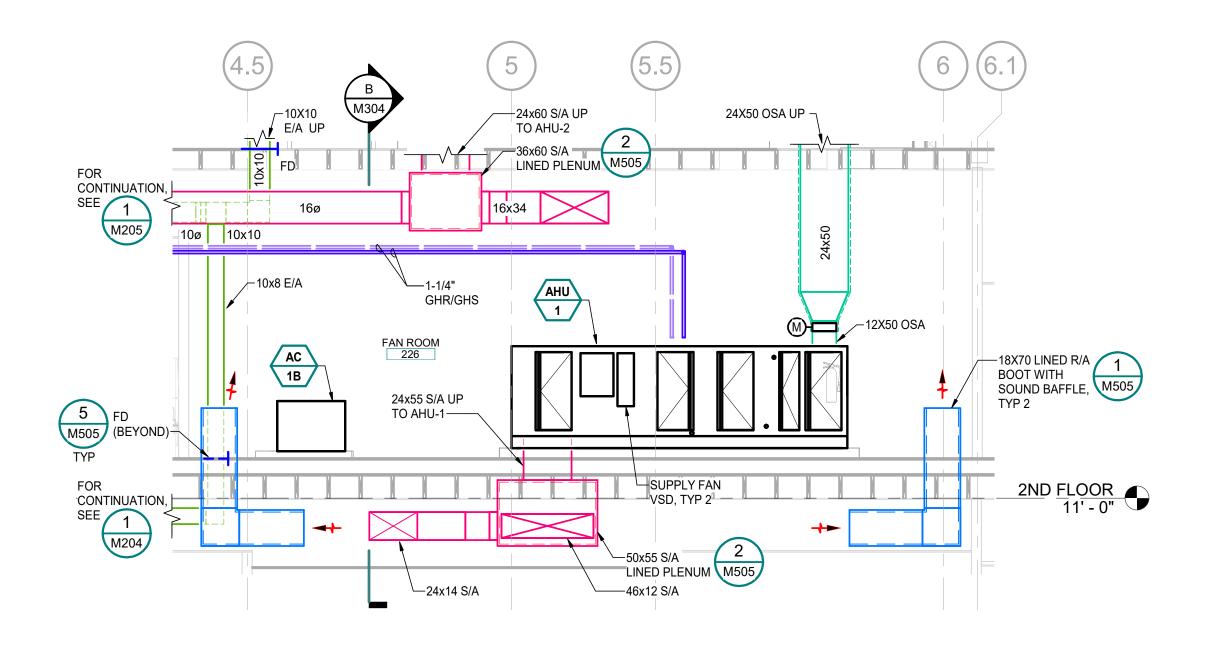
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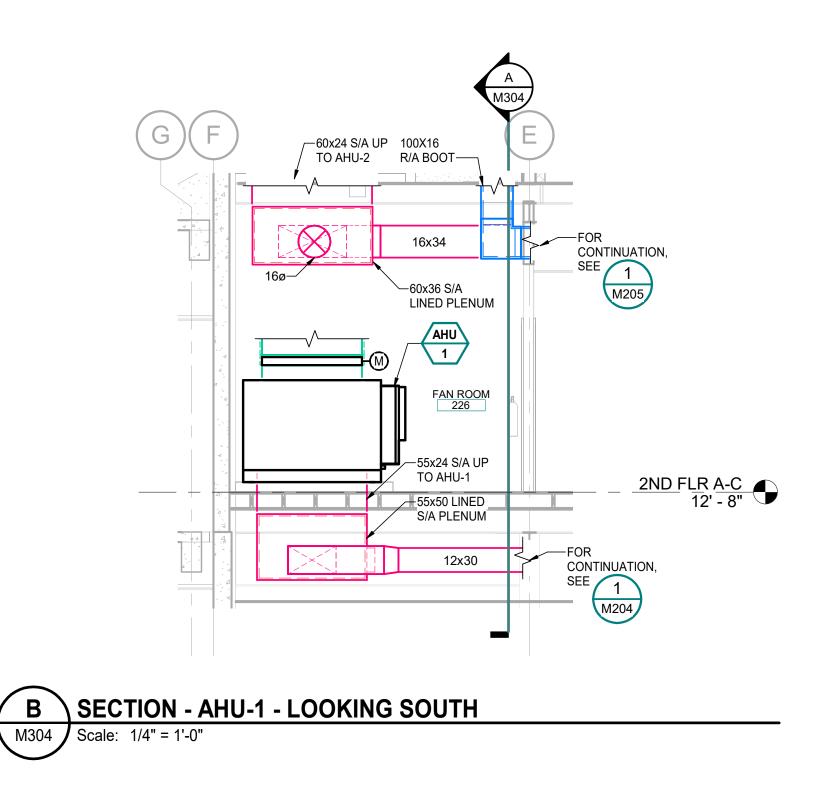
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	ALASKA COURT SYSTEM	SNOWDEN ADMIN BUILDING MECHANICAL UPGRADES
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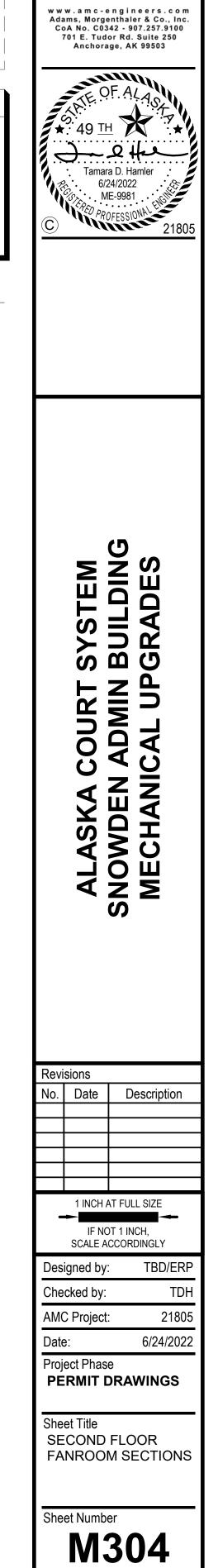


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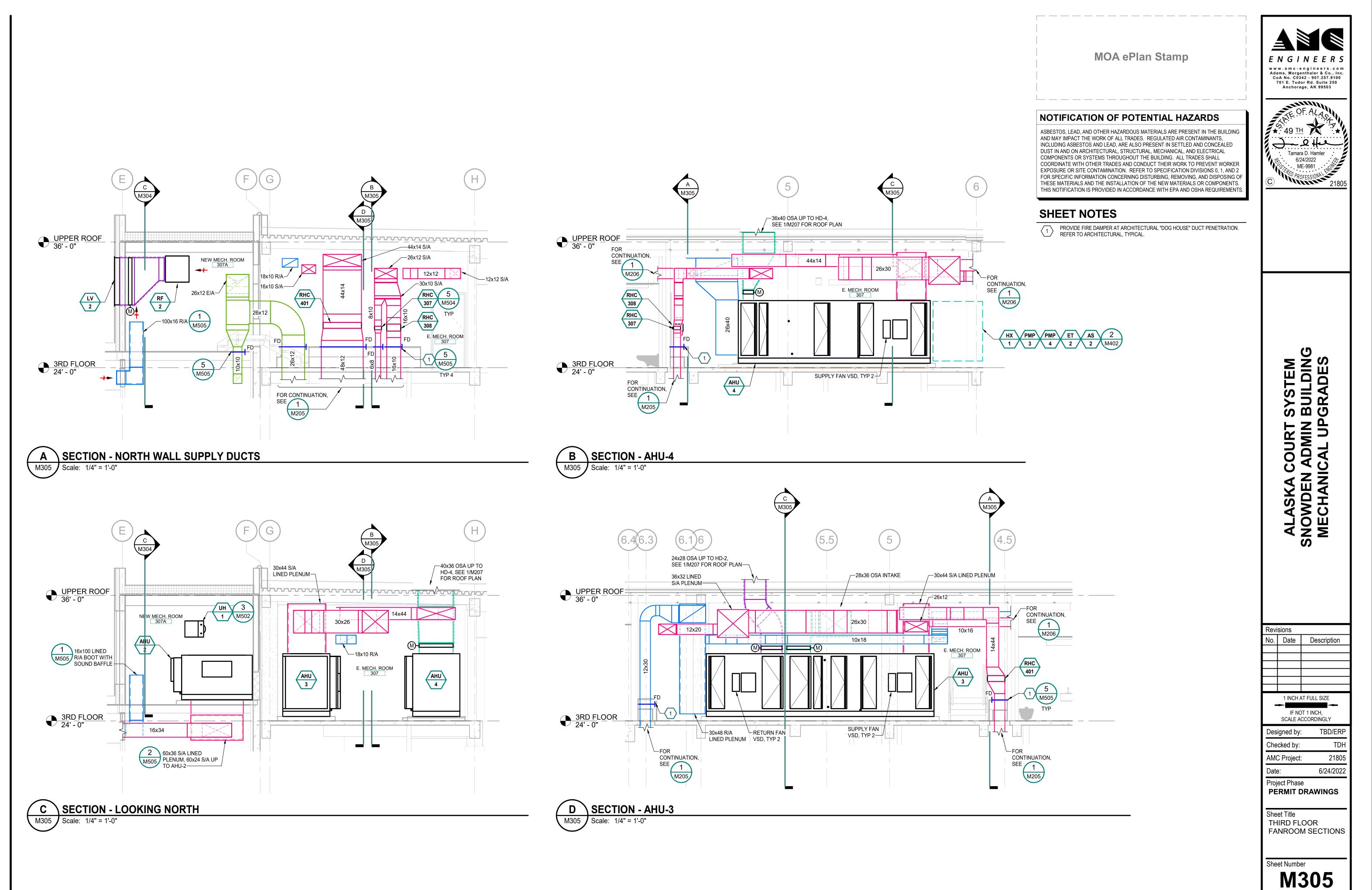
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## SHEET NOTES

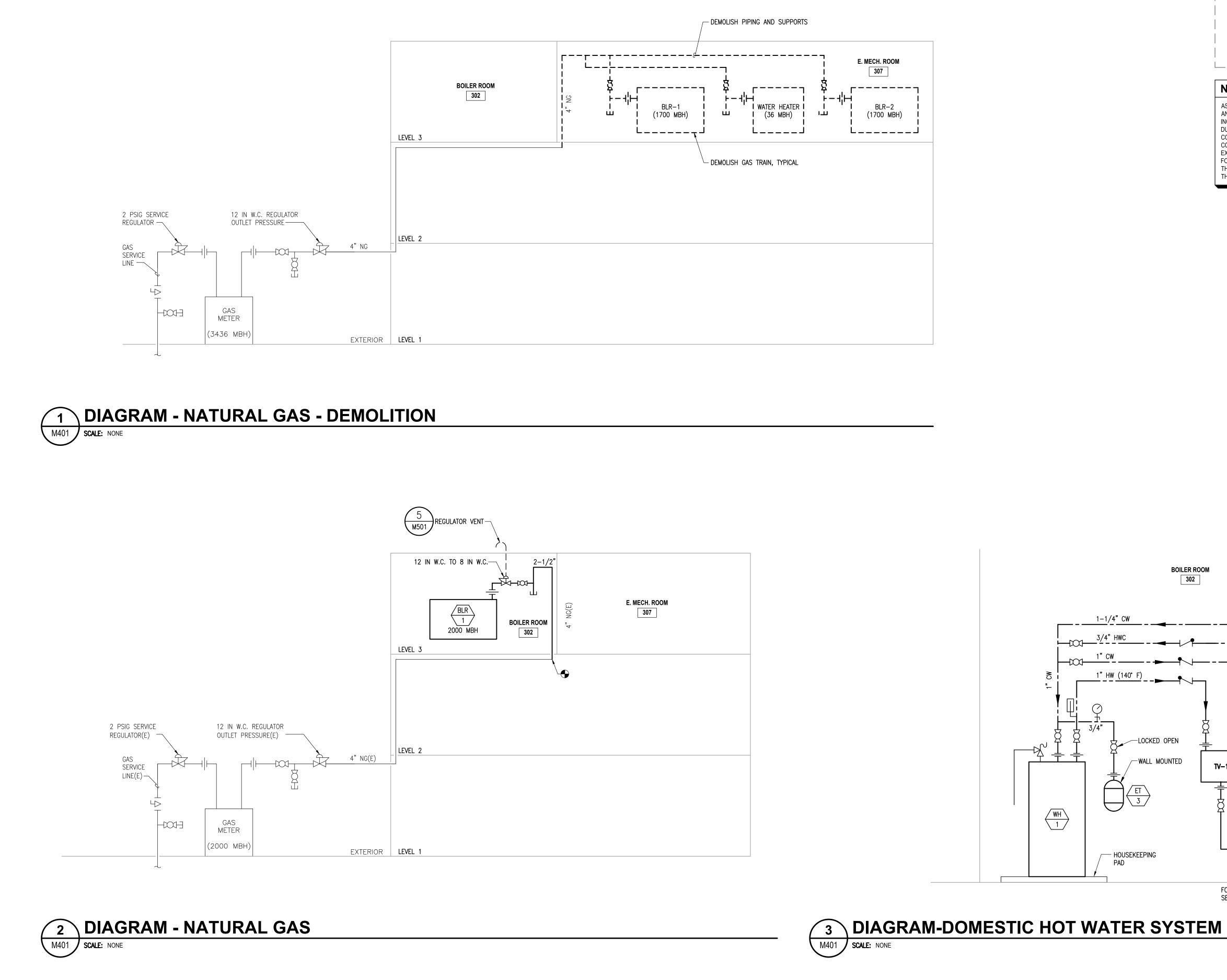
PROVIDE FIRE DAMPER AT ARCHITECTURAL "DOG HOUSE" DUCT PENETRATION.REFER TO ARCHITECTURAL, TYPICAL.



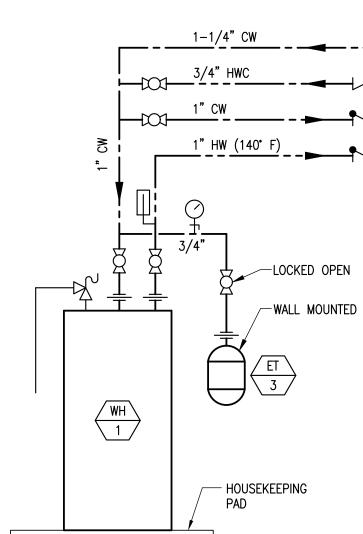
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BOILER ROOM

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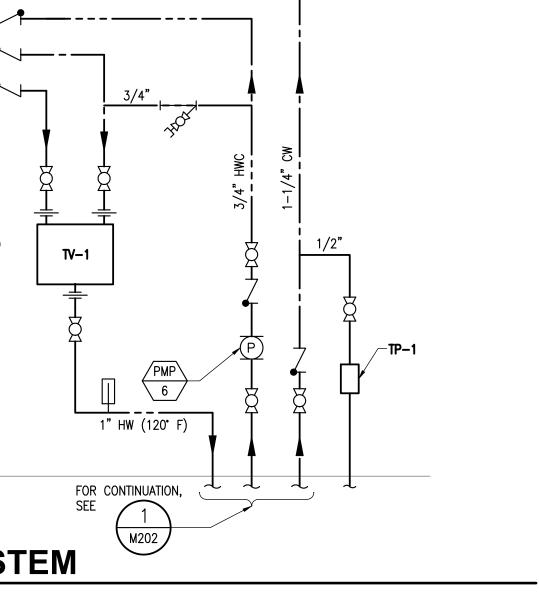
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Tamara D. Hamler

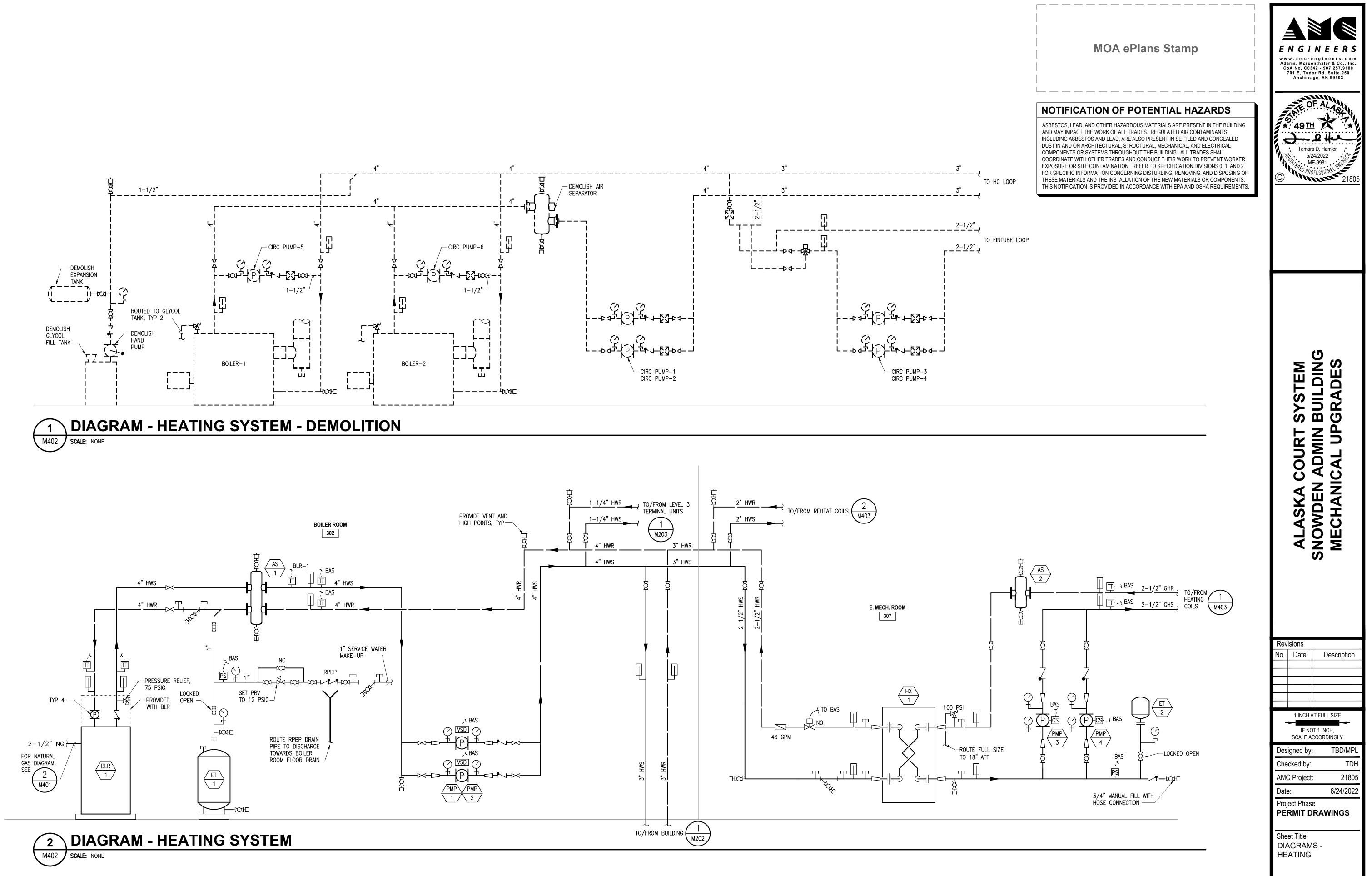
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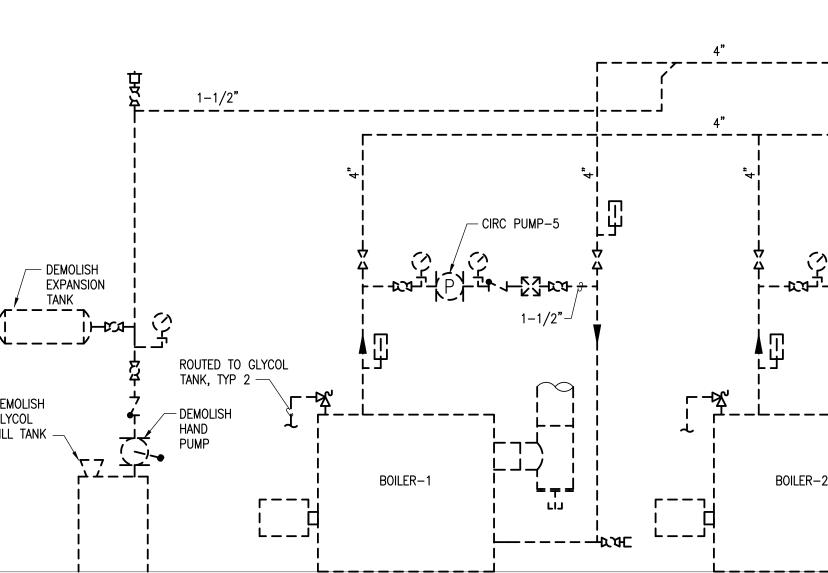
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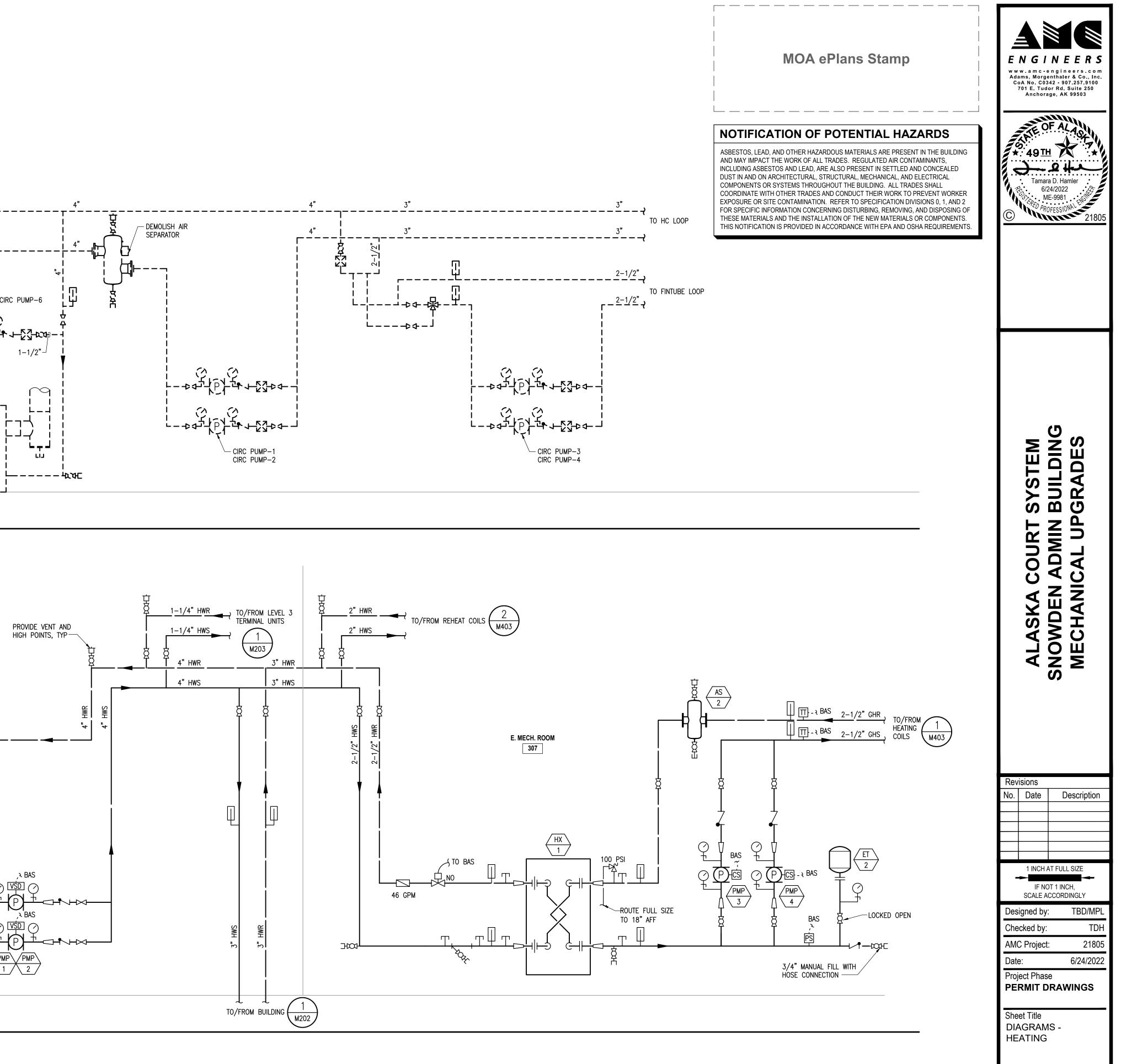


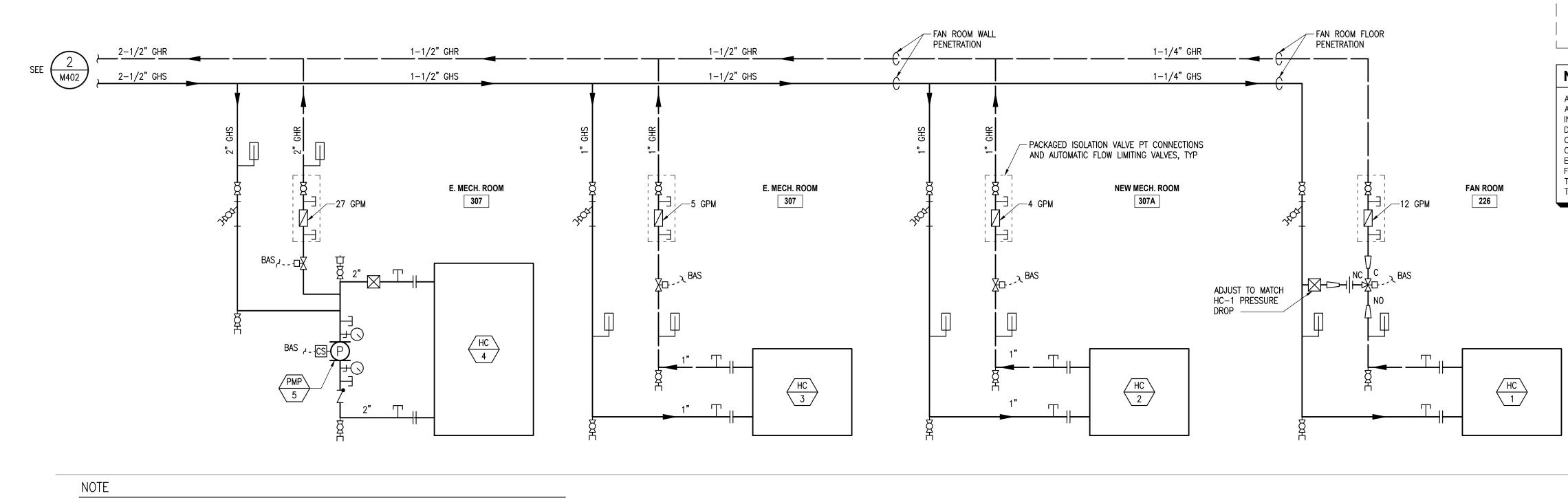
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Che AMC Date Proj <b>PE</b> She DIA	SCALE A igned by cked by: C Project e: ect Phas	CCORDINGLY TBD/MPL TDF 21805 6/24/2022 e <b>RAWINGS</b>	
Che AMC Date Proj <b>PEI</b> She DIA PLI	SCALE A igned by cked by: C Project e: ect Phas <b>RMIT D</b> et Title AGRAM	CCORDINGLY TBD/MPL TDF 21805 6/24/2022 e PRAWINGS	

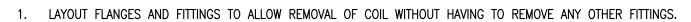




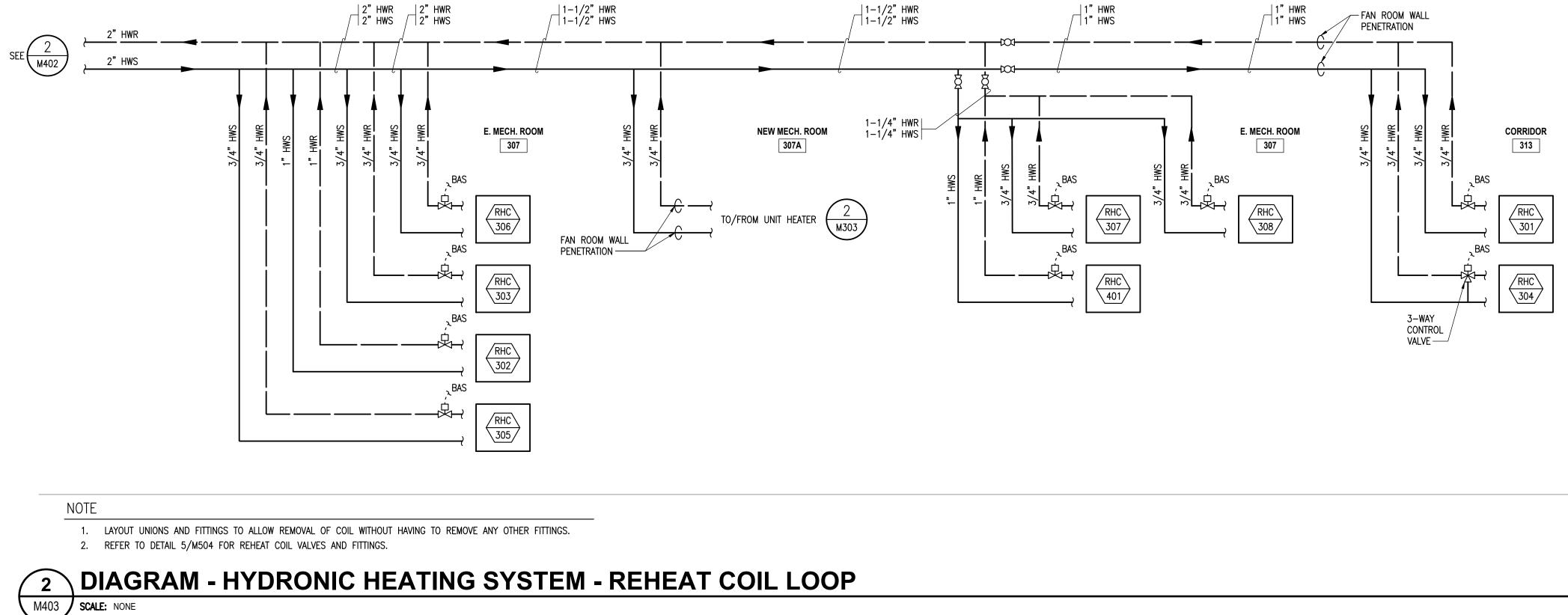




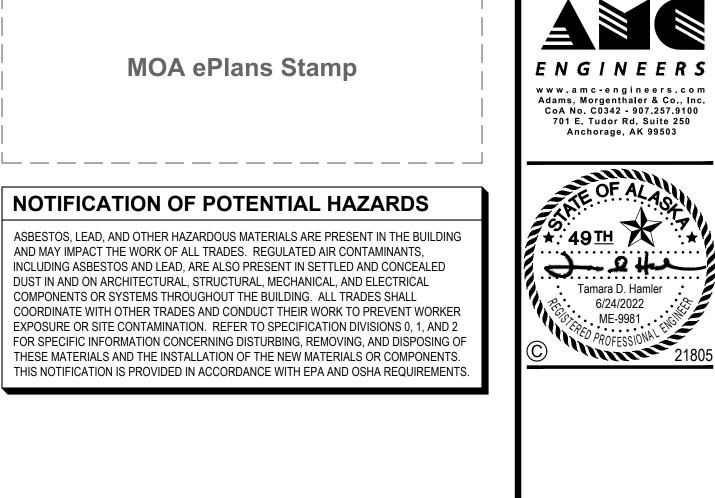








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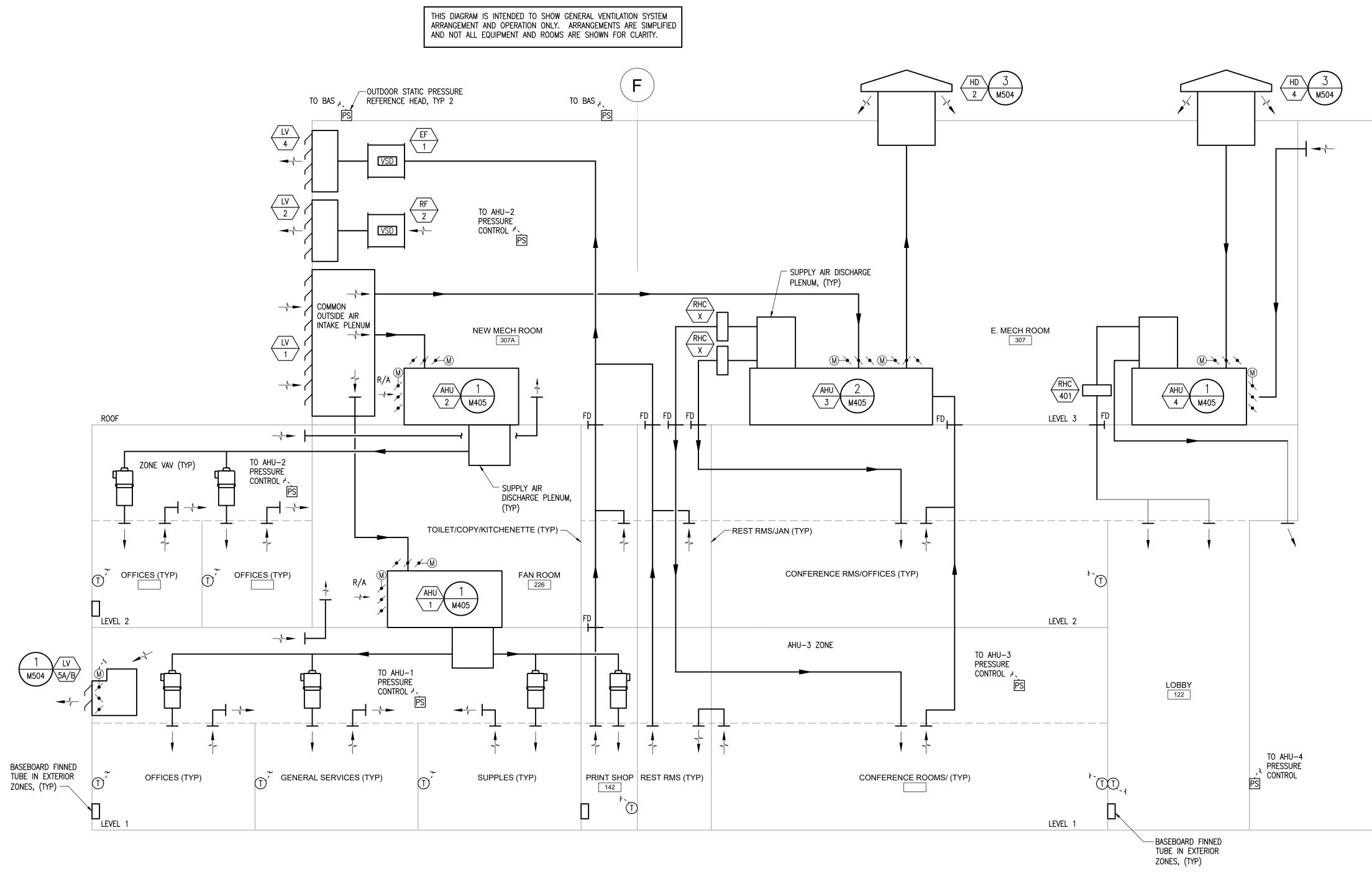


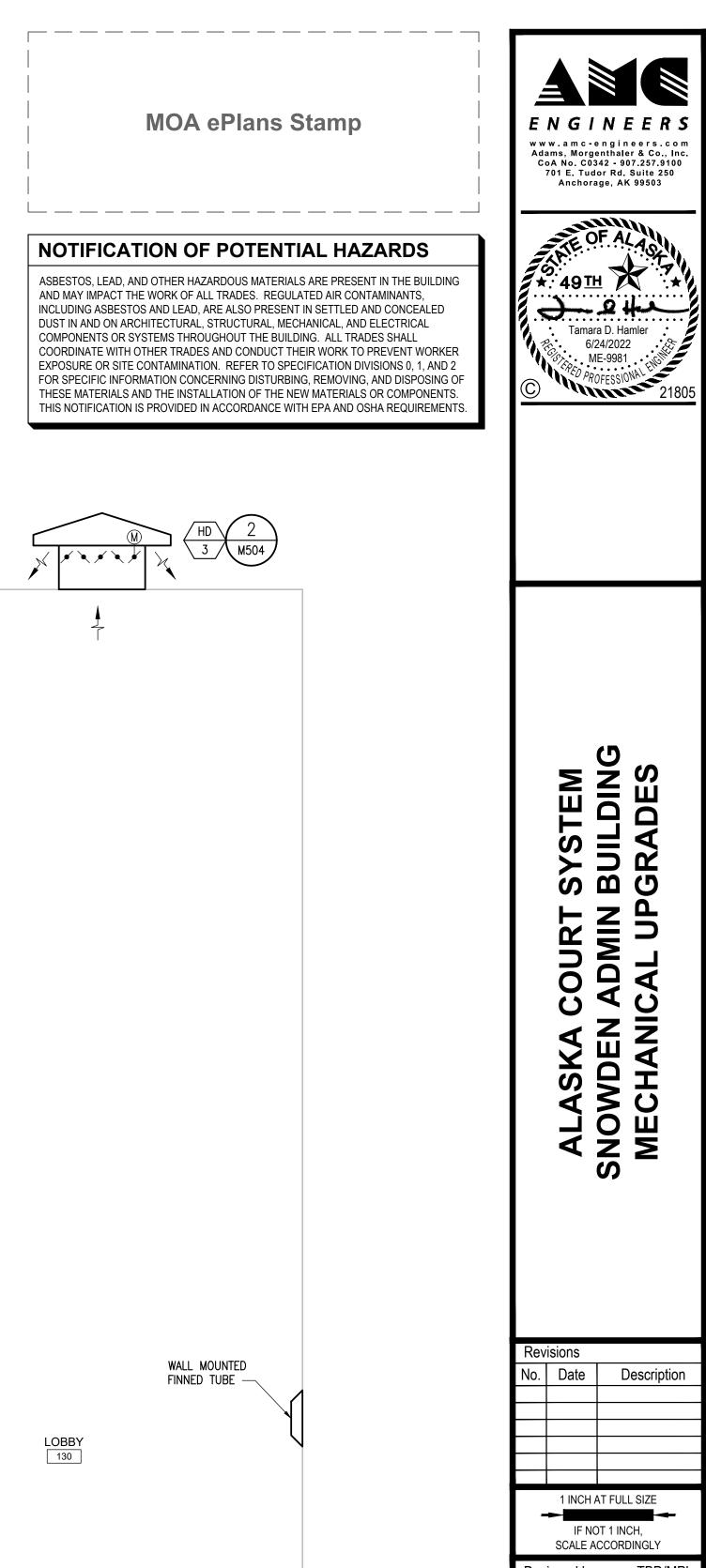
	ALASKA COURT SYSTEM	SNOWDEN ADMIN BUILDING MECHANICAL UPGRADES
Rev No.	isions Date	Description
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	ect Phas	6/24/2022 se RAWINGS
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M404 SCALE: NONE

**DIAGRAM - VENTILATION SYSTEMS** 





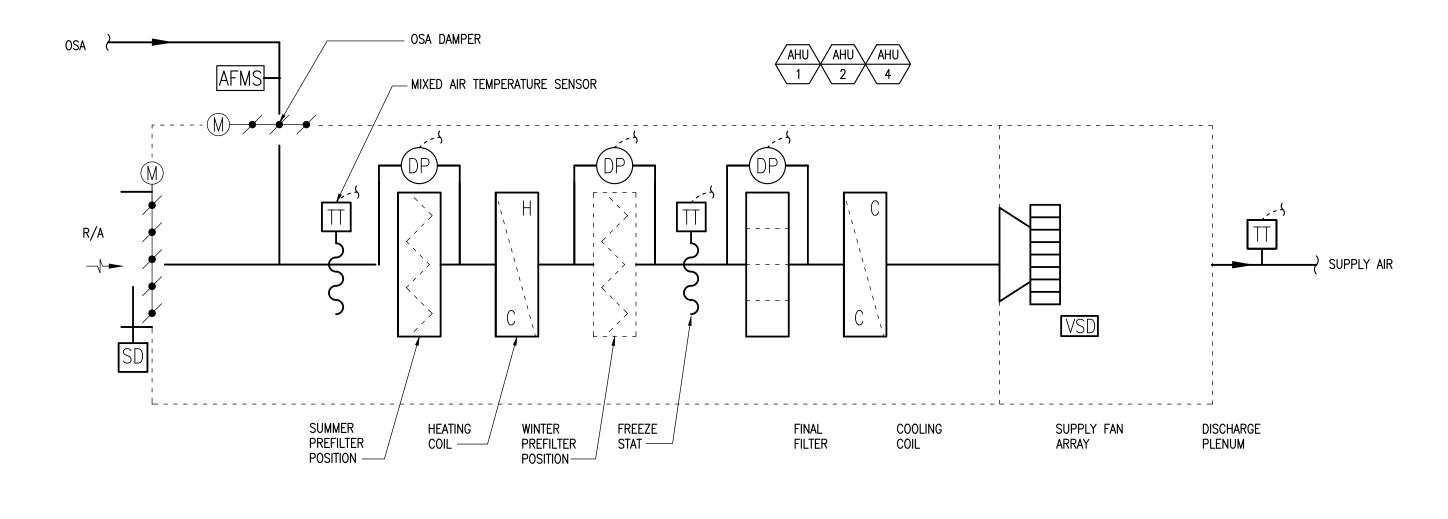
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AMC Project:	21805
Date:	6/24/2022

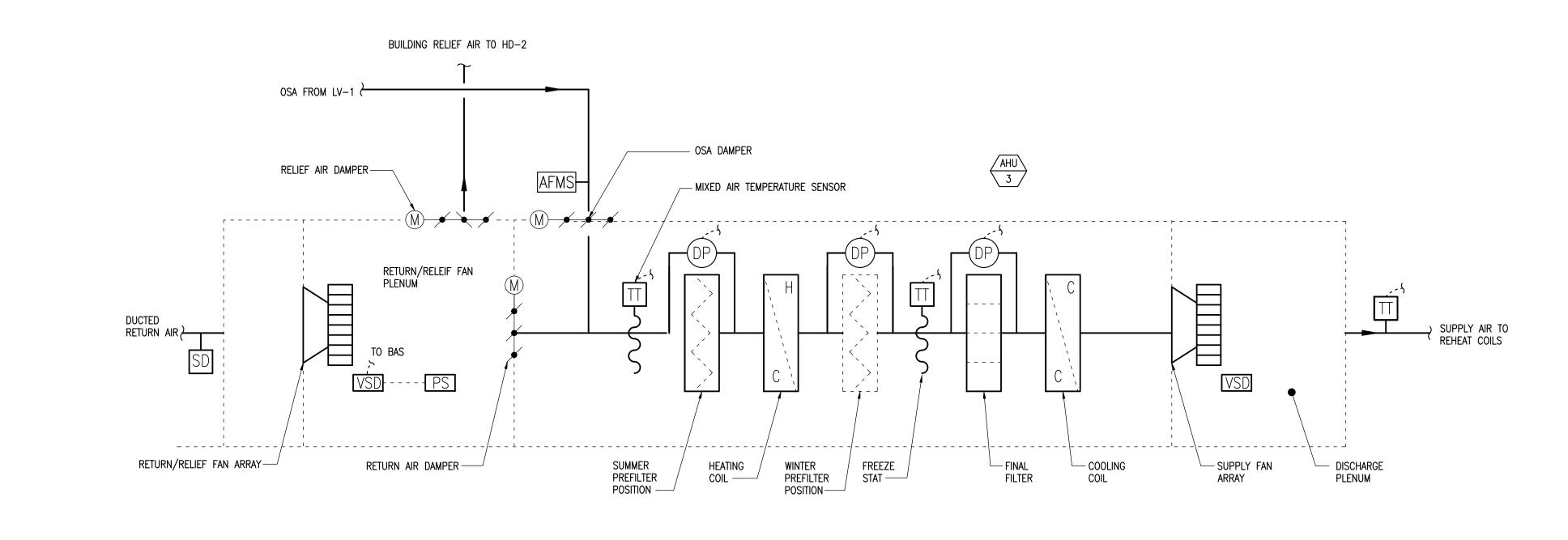
Project Phase PERMIT DRAWINGS

Sheet Title DIAGRAMS -VENTILATION

Sheet Number M404







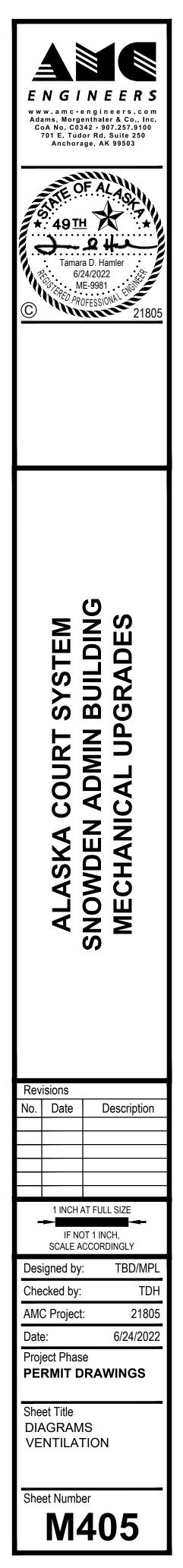


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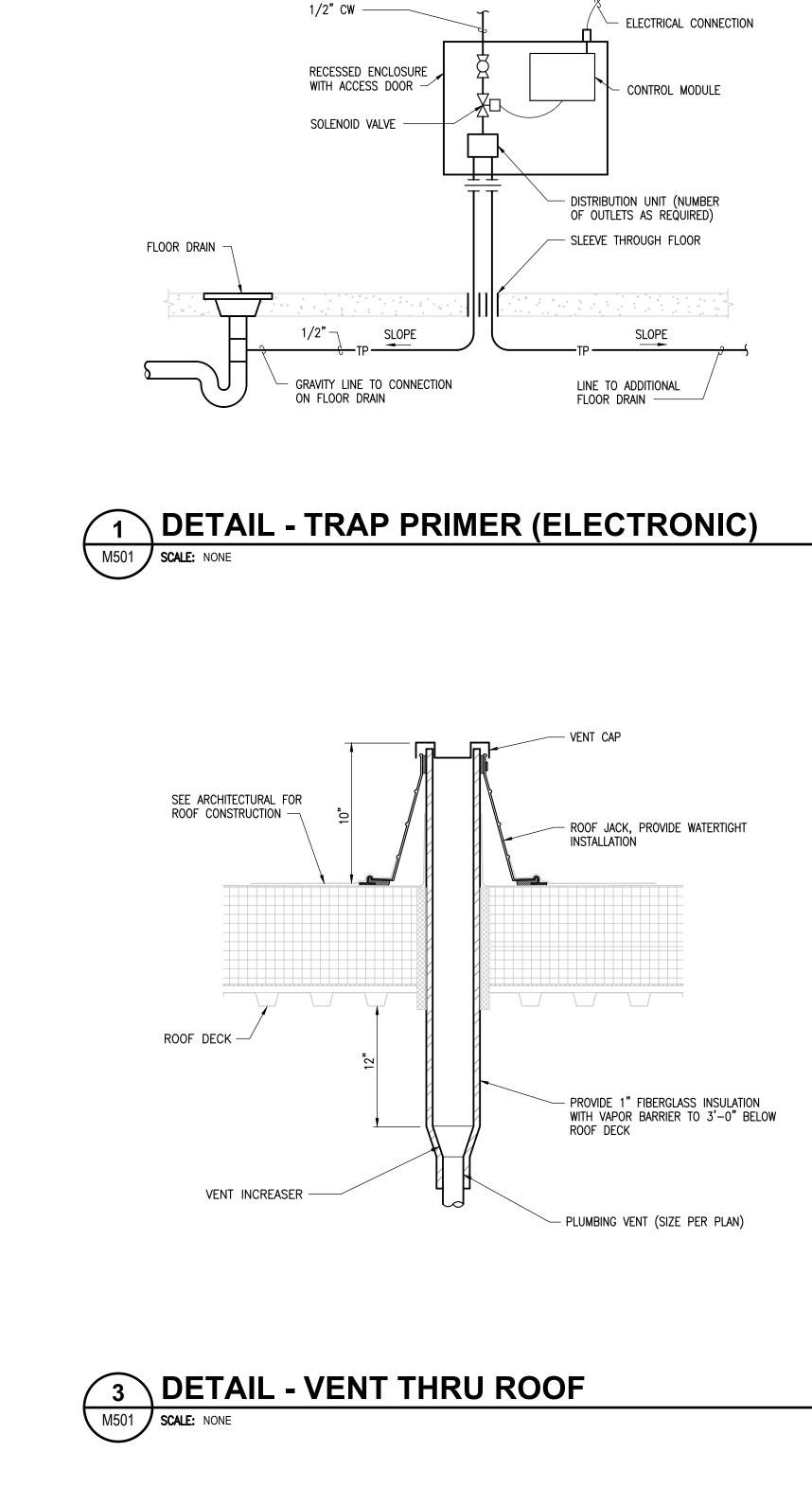
## **MOA ePlans Stamp**

## NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

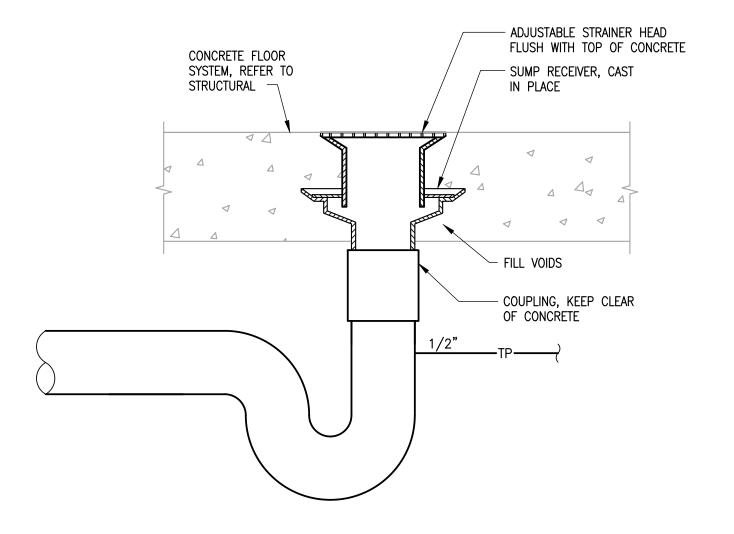




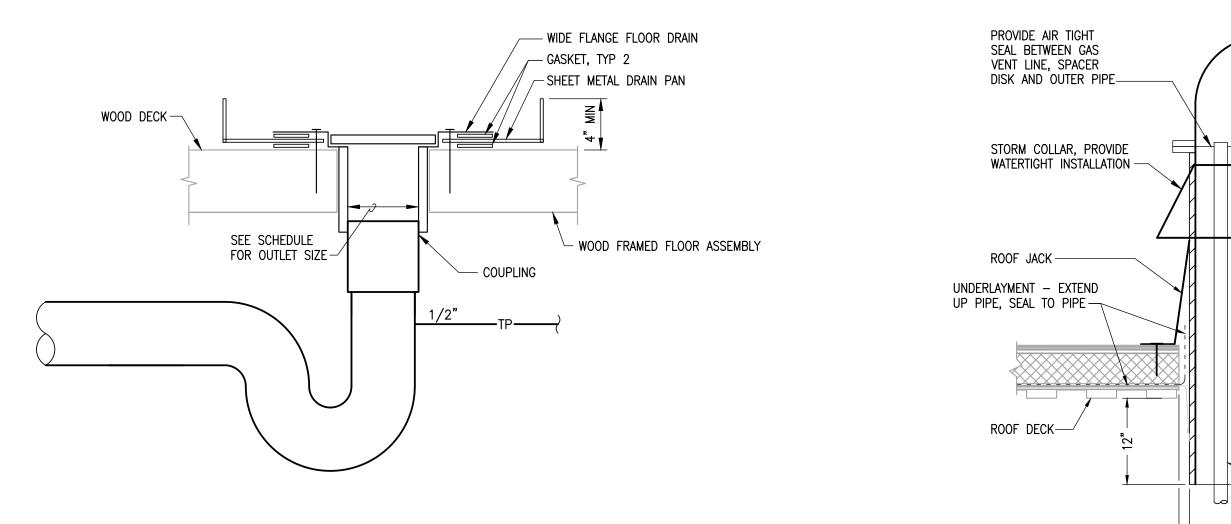


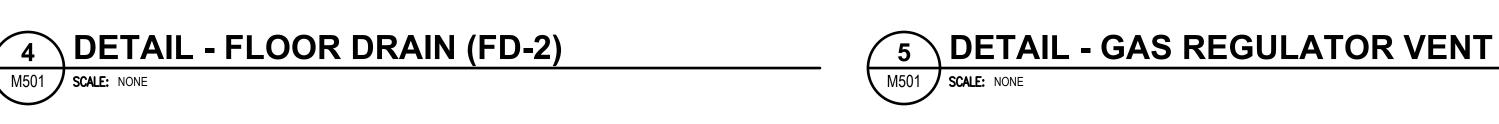












## **MOA ePlans Stamp**

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> - RETURN BEND WITH SCREEN TO PREVENT RAIN, DIRT OR FOREIGN MATTER ENTRY. ALUMINUM ACE TANK OR EQUAL

- FLANGED CONNECTION WITH SPACER DISK SANDWICHED BETWEEN FLANGES AND PERFORATED TO SUPPORT INDIVIDUAL VENTS, ALUMINUM WITH NEOPRENE GASKETS BETWEEN DISSIMILAR METAL

- SEE ARCHITECTURAL FOR ROOF CONSTRUCTION

INSULATION WITH VAPOR BARRIER

- ALUMINUM PIPE; SIZE AS REQUIRED TO ACCOMMODATE NUMBER OF REGULATOR VENTS VENT FROM GAS REGULATORS

**∴49**TH Tamara D. Hamler 6/24/2022 5 CPR D PROFESSIONAL 21805 C SYSTEM BUILDING GRADES OURT ADMIN AL UP Ú  $\mathbf{O}$ Z Ζ 4 SK 4 AL/ SNO/ ME( Revisions No. Date Description 1 INCH AT FULL SIZE -IF NOT 1 INCH, SCALE ACCORDINGLY TBD/MPL Designed by: TDH Checked by: 21805 AMC Project: 6/24/2022 Date: Project Phase PERMIT DRAWINGS Sheet Title **DETAILS - PLUMBING** 

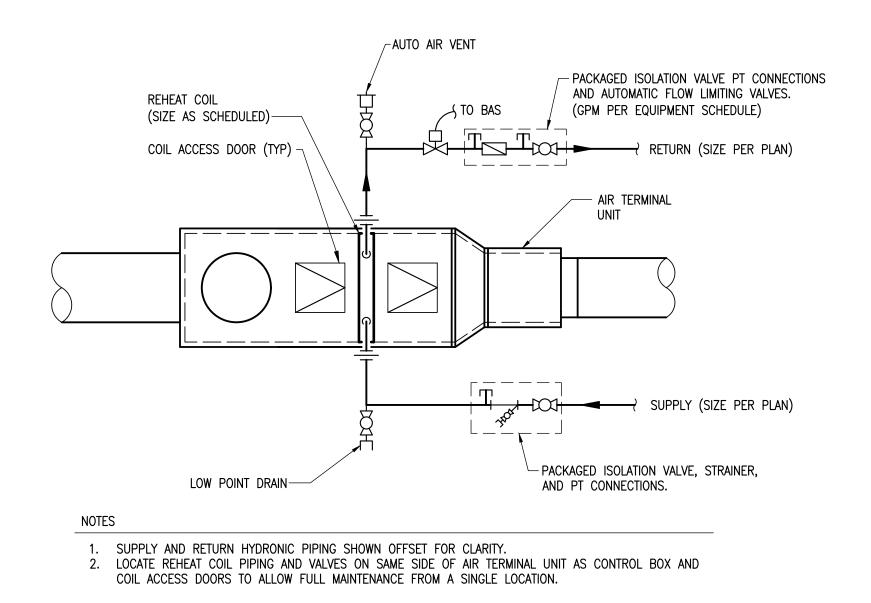
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**M501** 

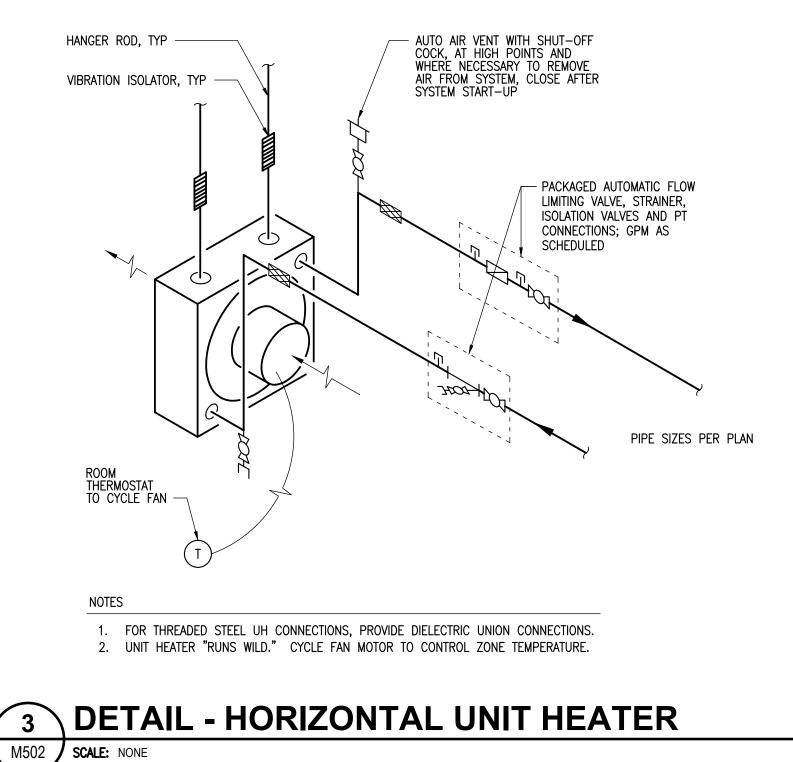
ENGINEERS

w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

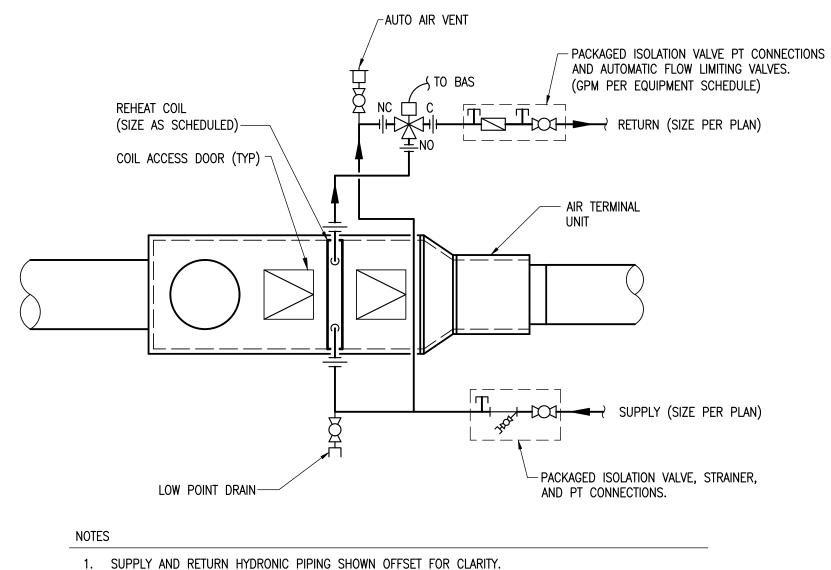
and the OFAL



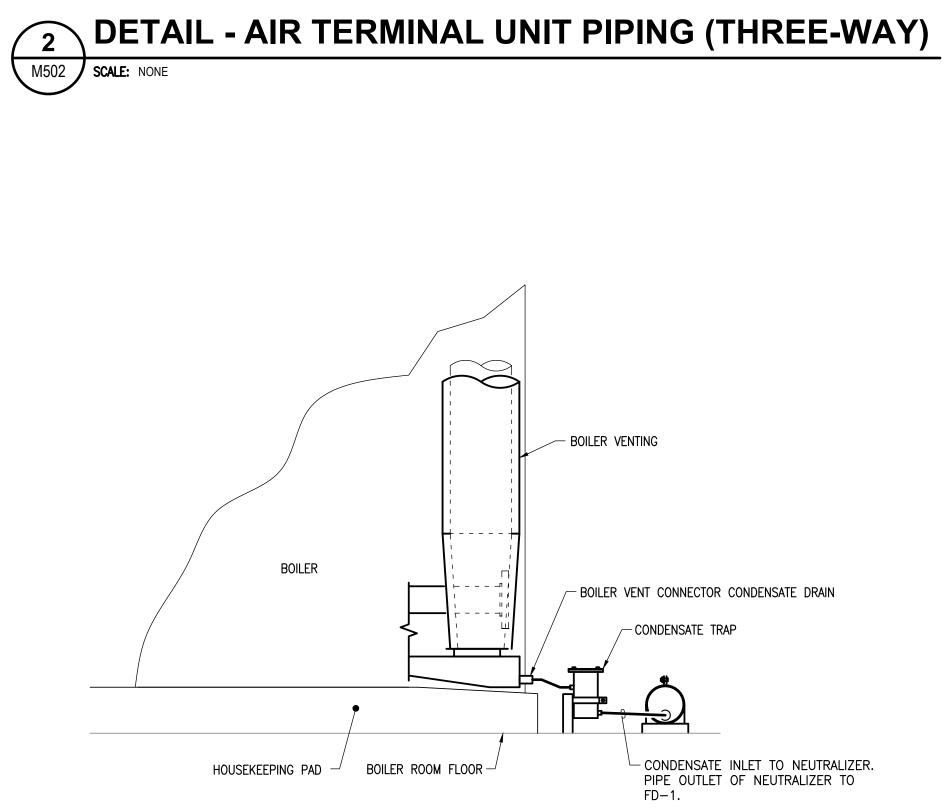




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 SOPPLE AND REFORM HTDRONIC PIPING SHOWN OFFSET FOR CLARITT.
 LOCATE REHEAT COIL PIPING AND VALVES ON SAME SIDE OF AIR TERMINAL UNIT AS CONTROL BOX AND COIL ACCESS DOORS TO ALLOW FULL MAINTENANCE FROM A SINGLE LOCATION.



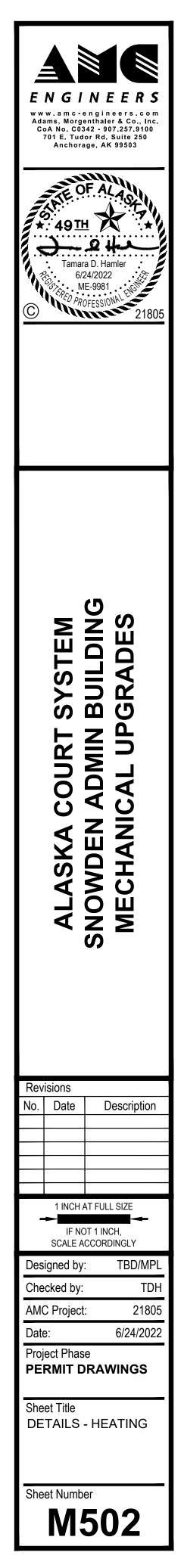


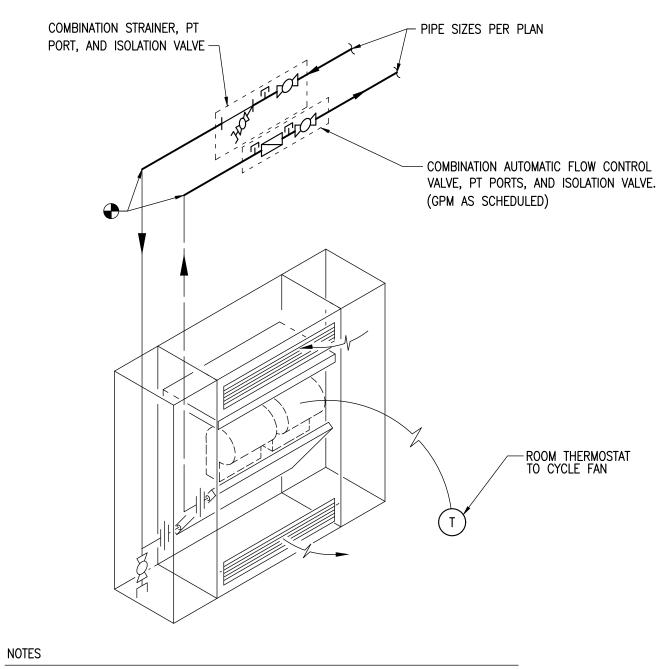
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#### NOTIFICATION OF POTENTIAL HAZARDS

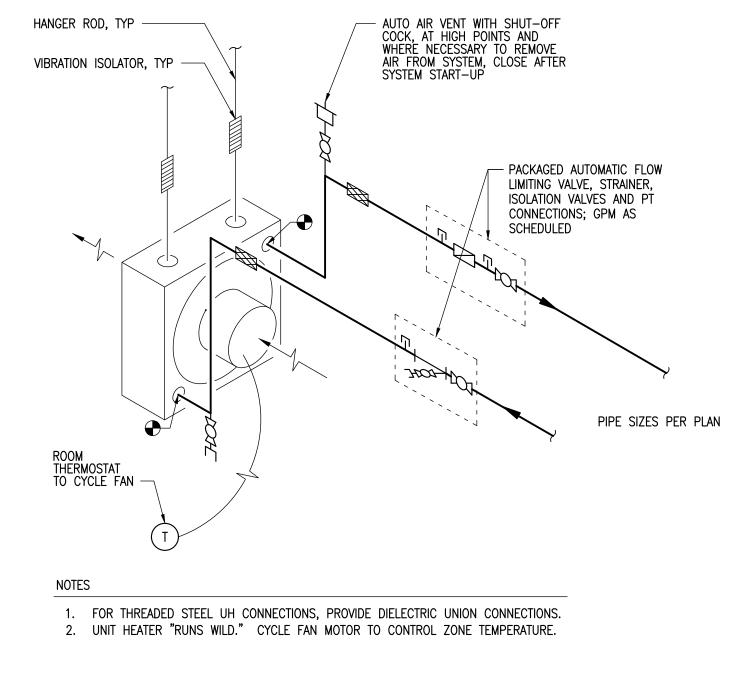
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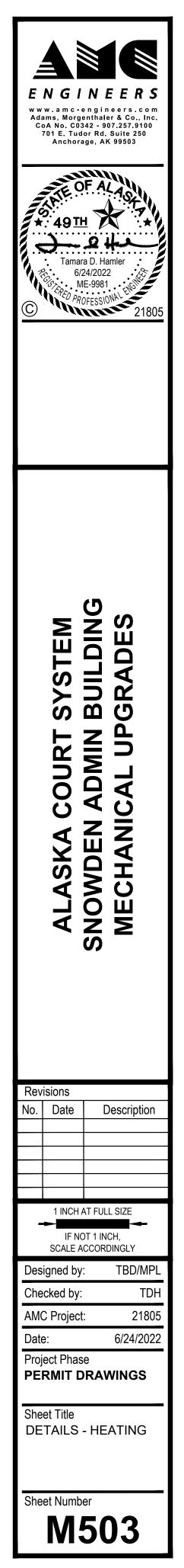


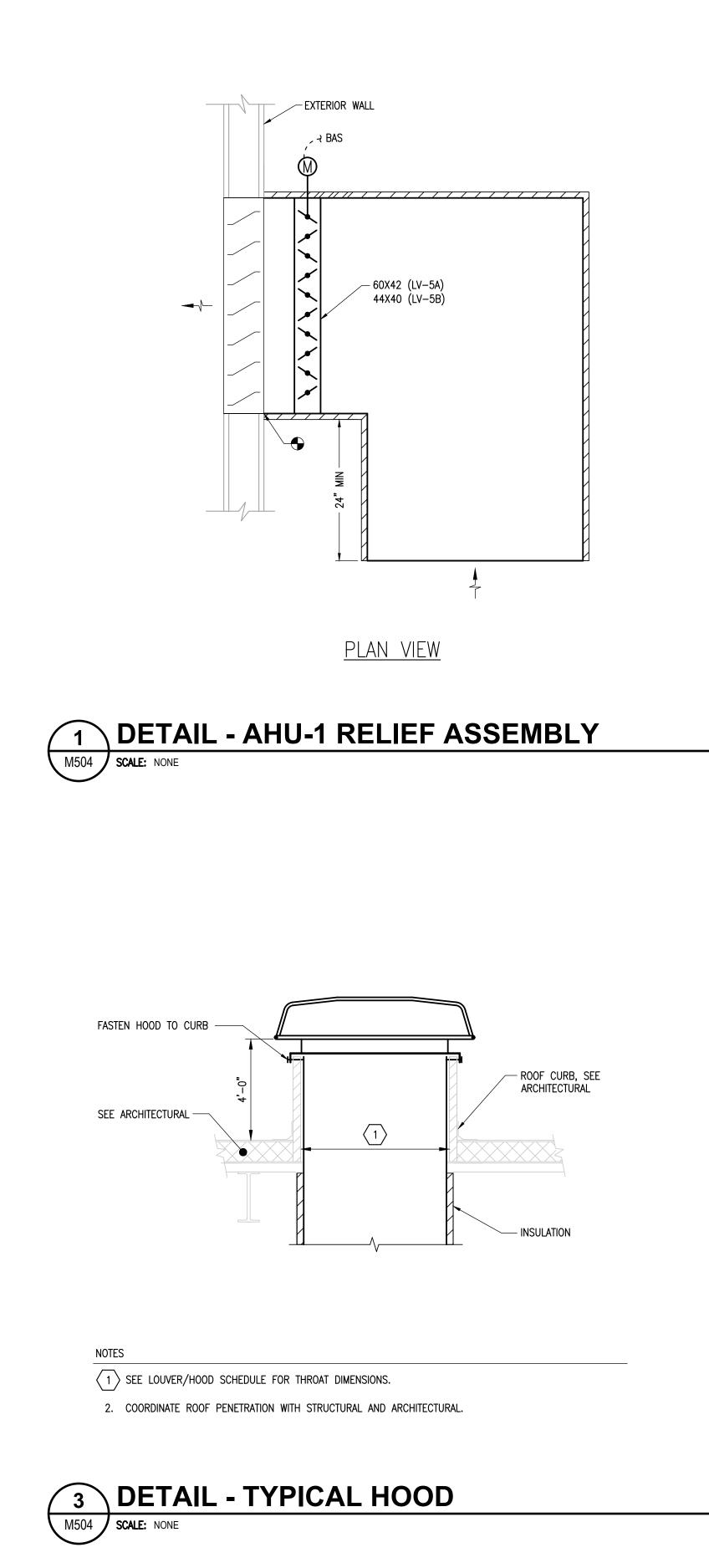
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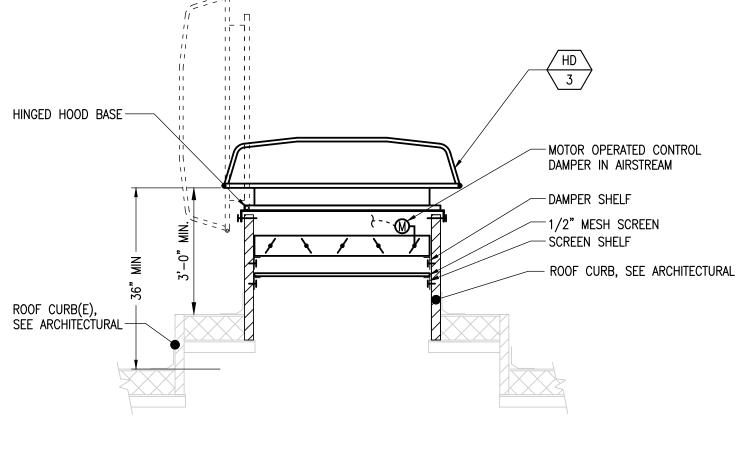
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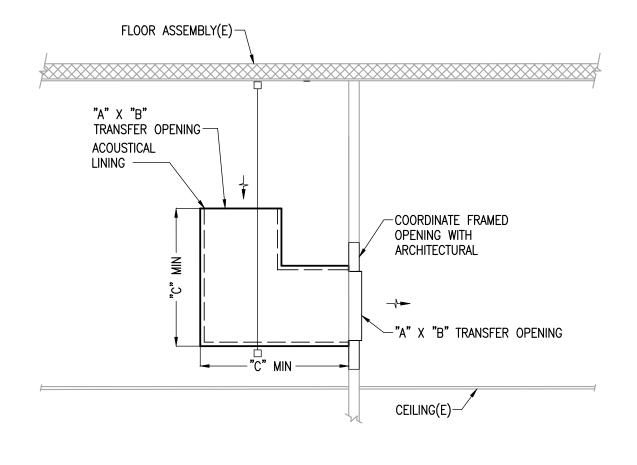
NOTES

1. COORDINATE ROOF PENETRATION WITH STRUCTURAL AND ARCHITECTURAL.

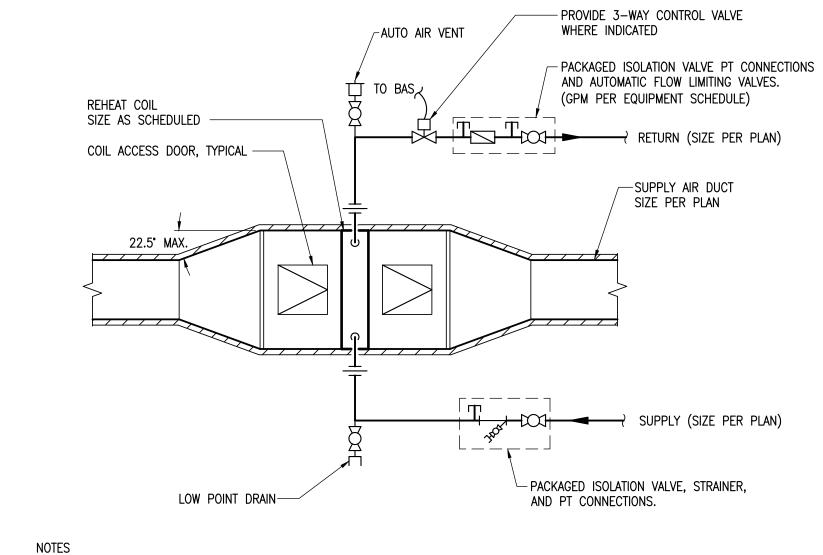
#### DETAIL - AHU-4 RELIEF ASSEMBLY 2

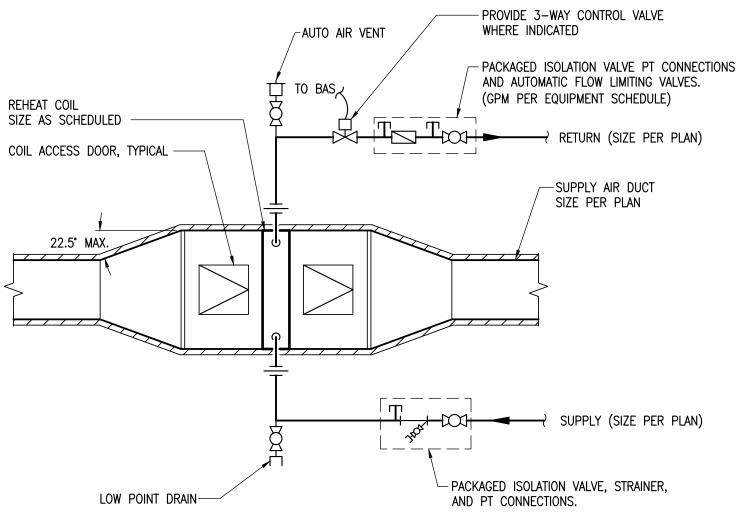
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	DIM	ENSIONS	5 (IN)
TRANSFER OPENING (SF)	A	В	С
0.5 SF	6	12	12
1 SF	6	24	12

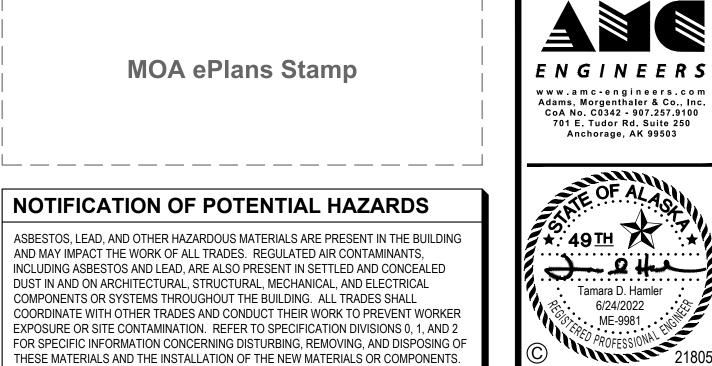












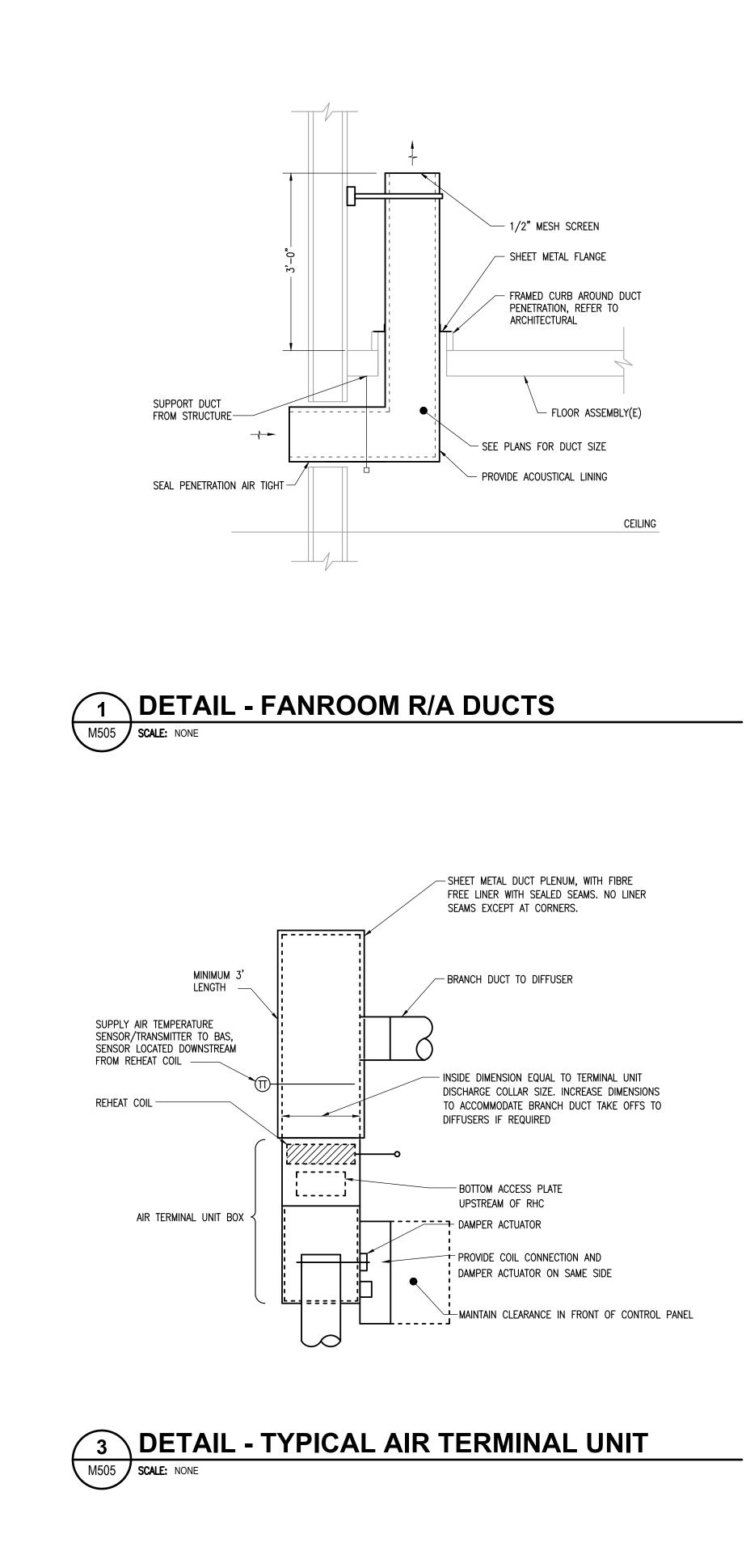
THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS

1. HWS AND HWR HYDRONIC PIPING SHOWN OFFSET FOR CLARITY.

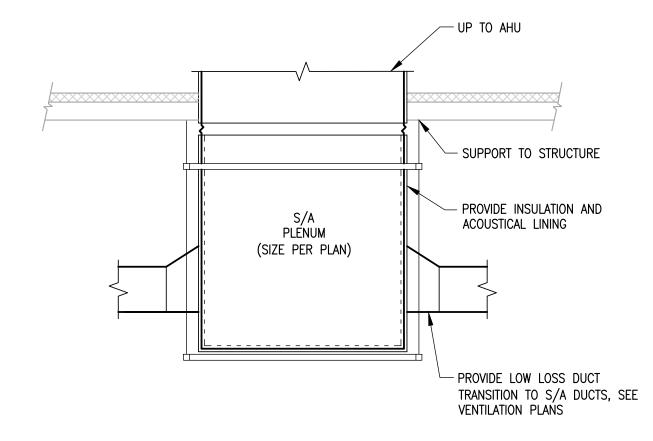
# **5** DETAIL - TYPICAL DUCT MOUNTED REHEAT COIL

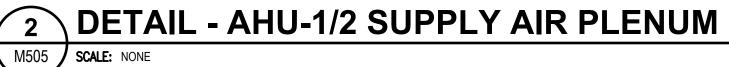
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	ALASKA COURT SYSTEM	SNOWDEN ADMIN BUILDING MECHANICAL UPGRADES
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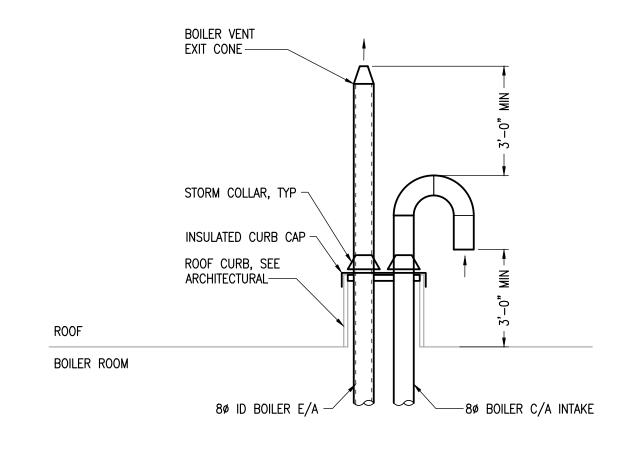
M504

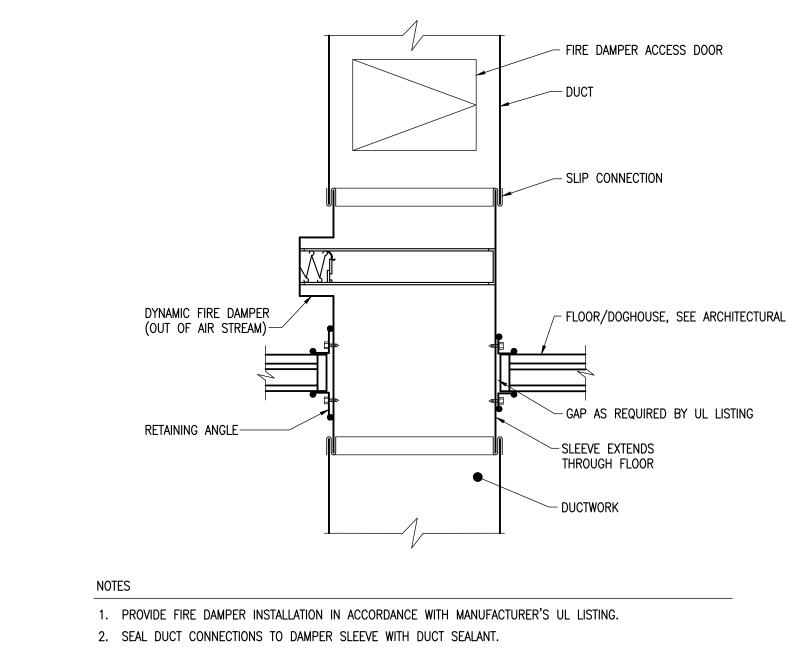


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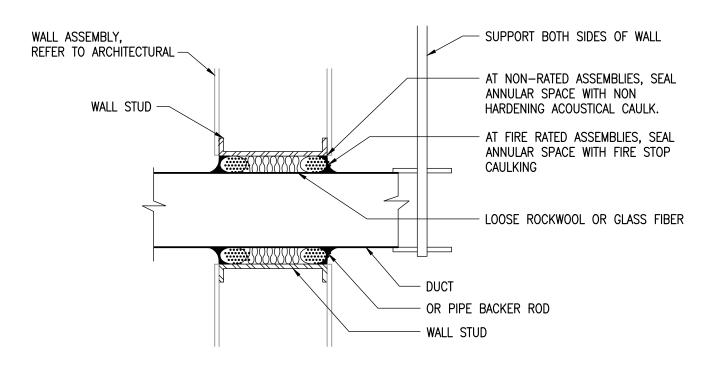
## MOA ePlans Stamp

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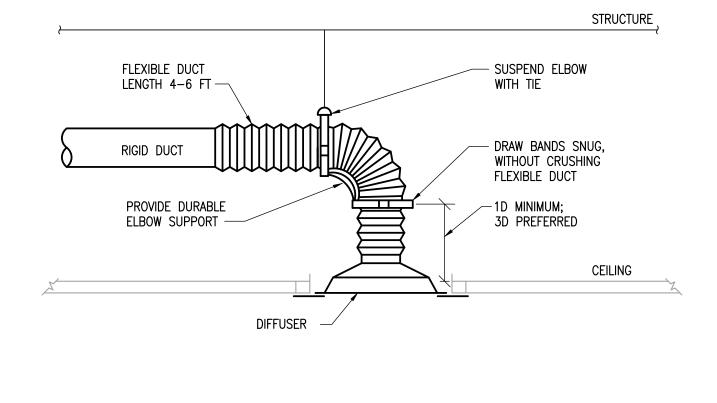
ww Ada Co	w. a m c	engin enthale 342 - 90 or Rd. age, Ar <b>F A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b> <b>A</b>	x 99503
		SNOWDEN ADMIN BUILDING	MECHANICAL UPGRADES
Rev No.	isions Date		Description
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	IF NO SCALE A	ot 1 in Ccori	
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She	et Numb		)5



#### NOTES

- 1. CAULKING SHALL FORM AIR-TIGHT SEAL AROUND DUCT.
- 2. TERMINATE AND SEAL DUCT INSULATION ON BOTH SIDES OF WALL PENETRATION.
- 3. PROVIDE DUCT SLEEVE FOR CONCRETE BLOCK WALL PENETRATION.



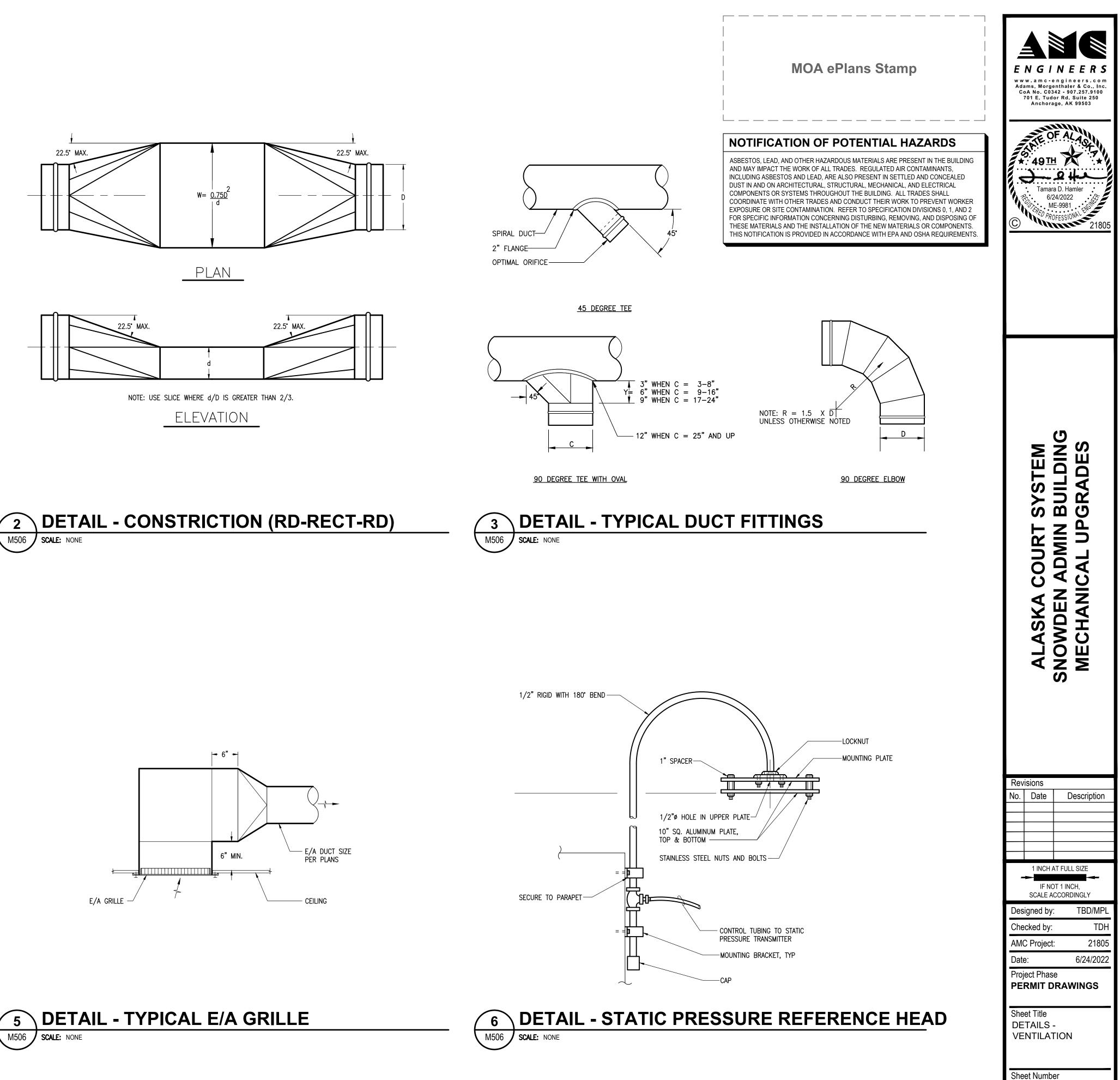


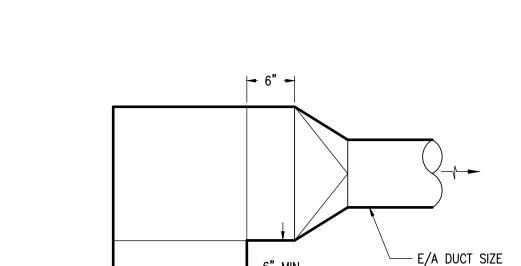
NOTES 1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3D, PROVIDE AN EQUALIZING GRID.

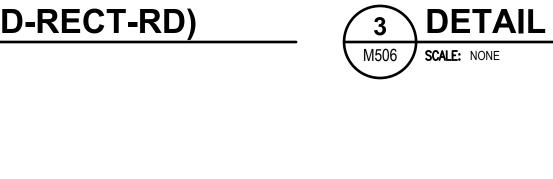


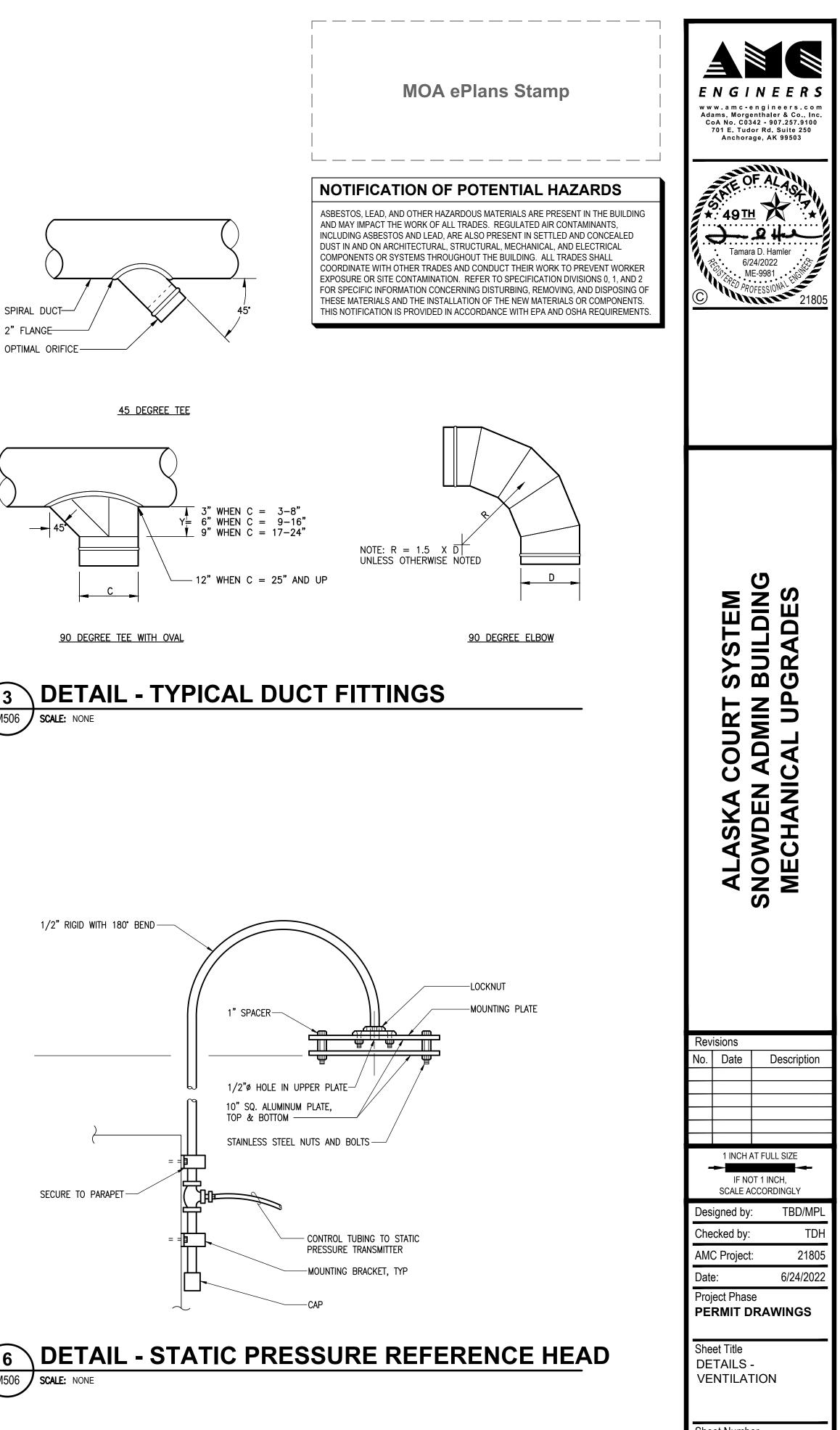




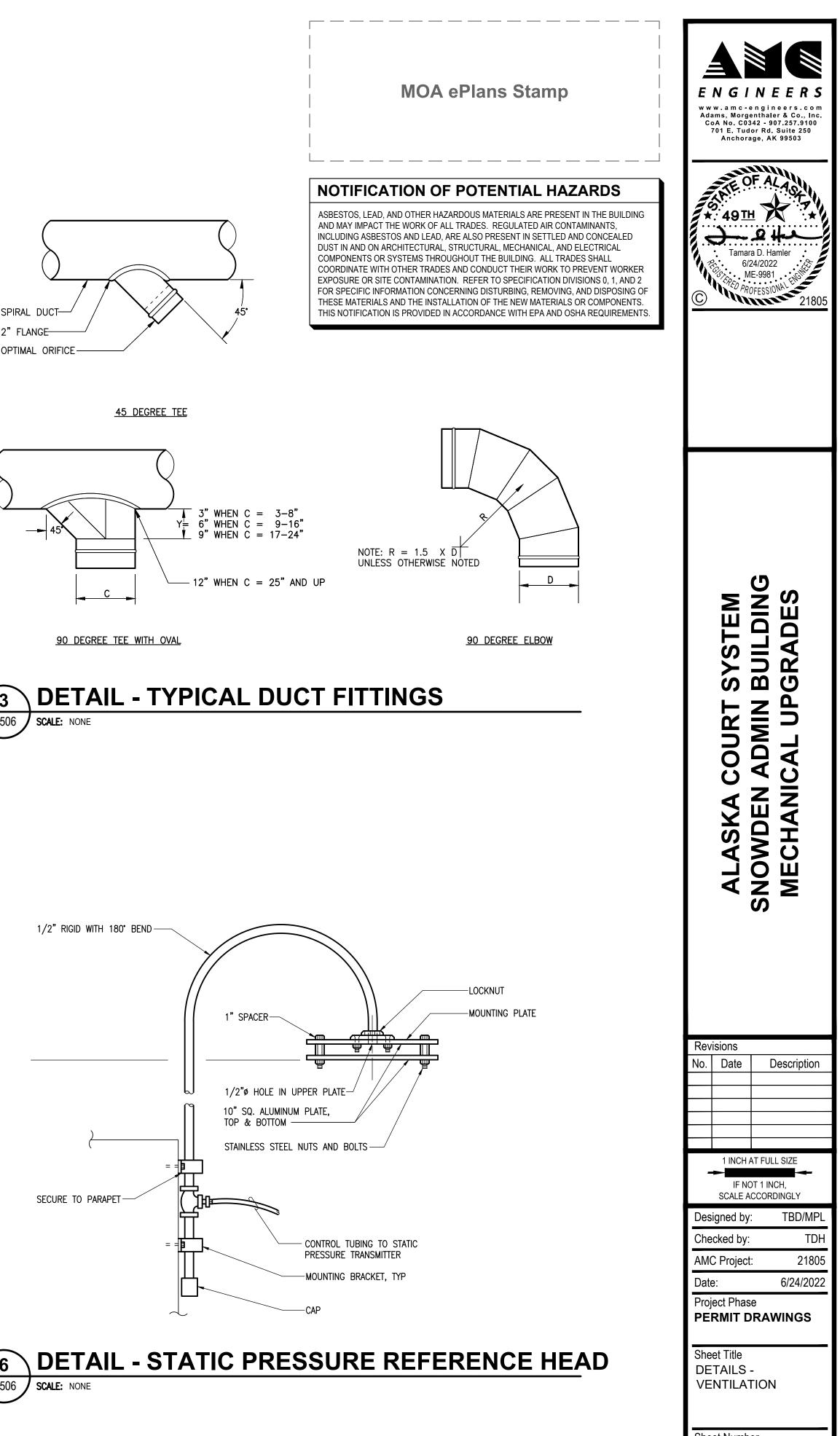




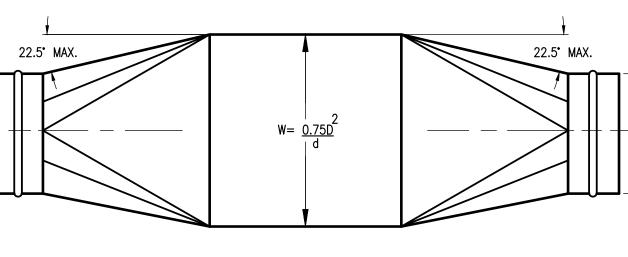




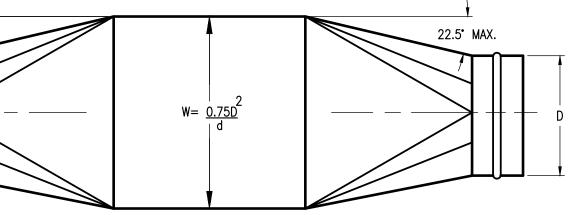




**M506** 







	GENERAL		AE
SYMBOL	DESCRIPTION	ACS	ACCESS CO
	SHEET NOTE CONVENTION:	ACT AFF	ACOUSTIC ( ABOVE FINI
$\langle 1 \rangle$	REFERENCED SHEET NOTE	AFG	ABOVE FINI ABOVE FINI ALUMINUM
2.	GENERAL SHEET NOTE	APPROX	APPROXIMA
$( \ddagger )$	FEEDER IDENTIFICATION TAG	AHJ BAS	AUTHORITY BUILDING A
	FEEDER NUMBER	CKT CCTV	CIRCUIT CLOSED CII
(1)	DETAIL REFERENCE	CMH C.	COMMUNICA CONDUIT
E0.1	DETAIL NUMBER	C.O. CU	CONDUIT O COPPER
$\bigcirc$ $\Box$	SHEET WHERE DETAIL APPEARS	(D) DB	DEMOLISH DECIBEL
		EL ELU	EMERGENCY EMERGENCY
	A SECTION REFERENCE D.1 SECTION LETTER	ENL EPD	EMERGENCY EQUIPMENT
	SHEET WHERE SECTION APPEARS	ETR (E)	EXISTING TO EXISTING
		(E) _ (F) _ FAA	FUTURE FIRE ALARM
	LINE WORK CONVENTION:	FACP FO	FIRE ALARM FIBER OPTI
$\ominus$ —	NEW OR REINSTALLED ITEM	FOPP FSD	FIBER OPTI FIRE/SMOK
€)	ITEM TO BE DEMOLISHED	HZ	FREQUENCY
$\ominus$ —	EXISTING ITEM TO REMAIN	HP IAW	HORSEPOWI
⊖	FUTURE ITEM	K KVA	KELVIN KILO VOLT-
	EXISTING ITEM TO BE RELOCATED	KW LCP	KILOWATT LIGHTING C
		MCC MCP	MOTOR CON MOTOR CON
	CONDUIT/FEEDER LINE CONVENTION:	MDS MIN	MAIN DISTR
$\frown$	CONCEALED	MM	MULTIMODE
·`	UNDERGROUND OR CONCEALED IN FLOOR	MSB MTR	MAIN SWITC
	EXPOSED	NEC NFPA	NATIONAL E NATIONAL F
		NL NC	NIGHT LIGH NORMALLY
	FLEXIBLE CONDUIT	NO N/A	NORMALLY NOT APPLI
P-1,3	CIRCUITING CONVENTION	NIC NTS	NOT IN CO
	CIRCUIT NUMBER(S)	OFC	OPTICAL FI
\	PANEL	OFOI PA	OWNER FU OWNER FU PUBLIC AD
	BRANCH CIRCUIT HOMERUN TO PANELBOARD	PA PH PLC	PUBLIC AD PHASE (EL PROGRAMM
	NUMBER OF CONDUCTORS IN RACEWAY,	PMCS	POWER MC
	NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO	SM SMR	SINGLEMOD SURFACE
	CONDUCTORS, PLUS REQUIRED GROUNDS)	SPD SSYS	SURGE PR SPECIAL S
	NUMBER OF ARROWS INDICATE	TELECOM TR	TELECOMM
		TYP UON	TYPICAL UNLESS 0
	NEUTRAL	VR VSD	VANDAL RE
\		VAC VDC	VOLTS (AL VOLTS (DI
		VDC V W	VOLIS (DI VOLTS OR WATT
ELECT	RICAL DRAWING INDEX	WP WG	WATT WEATHERPF WIRE GUAF
		-	
	AND ABBREVIATIONS JLES AND CALCULATIONS		
E003 PANELS	CHEDULES ICAL - OVERALL PLANS		
	- LIGHTING - DEMOLITION		
-	- LIGHTING - DEMOLITION - LIGHTING - DEMOLITION		
	LAN - ELECTRICAL - DEMOLITION		
E200 SITE LIG E201 LEVEL 1	-		
E202 LEVEL 2			
E203 LEVEL 3 E301 ENLARG	- LIGHTING ED PLANS - LEVELS 1 & 2 - POWER & SSYS		
	ED PLANS - LEVELS 1 & 2 - POWER & SSYS ED PLANS - LEVEL 3 - POWER & SSYS		
	LAN - ELECTRICAL M - POWER ONE-LINE		
		_	

BREVIATIONS SYMBOL NTROL SYSTEM CEILING TILE SHED FLOOR SHED GRADE <u>ጉ</u> ያ HAVING JURISDICTION Ο JTOMATION SYSTEM 0 CUIT TELEVISION TIONS MANHOLE ILY  $\bigcirc 0$ LIGHT LIGHTING UNIT НŴ NIGHT LIGHT PROTECTION DEVICE REMAIN ANNUNCIATOR CONTROL PANEL PATCH PANEL DAMPER NCE WITH ●• ●•□ AMPS NTROL PANEL TROL CENTER TROL PANEL BUTION SWITCHBOARD FIBER OPTIC CABLE HBOARD OM ROOM ECTRICAL CODE RE PROTECTION ASSOCIATION CLOSED )PEN ABLE ITRACT ER CABLE NISHED, CONTRACTOR INSTALLED NISHED, OWNER INSTALLED RESS н⊛ ECTRICAL) ABLE LOGIC CONTROLLER IITORING CONTROL SYSTEM FIBER OPTIC CABLE OUNTED RACEWAY DTECTIVE DEVICE STEMS NICATION NICATION ROOM HERWISE NOTED SISTANT PEED DRIVE ERNATING CURRENT) CT CURRENT) /OLTAGE DOF

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**©** 

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**\$**a,b,c LV

**\$**a,b,c KLV

PLOTTED: Epagula

LIGHTING		POWER		SPECIAL SYSTEMS
DESCRIPTION	SYMBOL		SYMBOL	DESCRIPTION
LIGHTING FIXTURE		RECEPTACLE MOUNTING: RECEPTACLE – WALL MOUNTED	<b>⊲</b> 2	TELECOMMUNICATION OUTLET – WALL MOUNTED (X DENOTES NUMBER OF PORTS)
LIGHTING FIXTURE - WALL MOUNTED	<b>₩</b>	(SEE "RECEPTACLE TYPES" BELOW)	<b>2</b>	TELECOMMUNICATION OUTLET – FLOOR MOUNTED (X DENOTES NUMBER OF PORTS)
LIGHTING FIXTURE – SURFACE OR PENDANT MOUNTED		RECEPTACLE – FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)	<b>d</b> C,2	TELECOMMUNICATION OUTLET – CEILING MOUNTED (X DENOTES NUMBER OF PORTS)
LIGHTING FIXTURE - RECESS MOUNTED	₿	RECEPTACLE – CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)	IC	INTERCOM CALL IN STATION
LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT	Ũ	(SEE RECEPTACLE TIPES BELOW)	F	FIRE ALARM MANUAL PULL STATION
LIGHTING FIXTURE CONNECTED TO		RECEPTACLE TYPES:	X	FIRE ALARM STROBE – WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
EMERGENCY POWER CIRCUIT	₩	DUPLEX RECEPTACLE	<b>@</b> ×	FIRE ALARM STROBE – CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
EXIT FIXTURE – WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN,	₩	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE	П	FIRE ALARM HORN - WALL MOUNTED
ARROWS AS NOTED (FIXTURE TYPE EX) EXIT FIXTURE - CEILING MOUNTED	l ⊕	DOUBLE DUPLEX RECEPTACLE	(H)d	FIRE ALARM HORN - CEILING MOUNTED
SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)				FIRE ALARM SPEAKER - WALL MOUNTED
EMERGENCY LIGHTING UNIT - WALL MOUNTED	₩ FØ	GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE		FIRE ALARM SPEAKER - CEILING MOUNTED
(FIXTURE TYPE XA) EMERGENCY LIGHTING UNIT – CEILING MOUNTED	⊨	RANGE RECEPTACLE – 50 AMP/250 VOLT		BELL – WALL MOUNTED FIRE ALARM HORN/STROBE – WALL MOUNTED
(FIXTURE TYPE XA)			<b></b> X	(X DENOTES CANDELA RATING IF OTHER THAN 15cd)
SITE LIGHTING - POLE MOUNTED		ELECTRICAL DEVICES:	(Q)4 ×	FIRE ALARM HORN/STROBE — CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
SINGLE POLE SWITCH	۲	SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED	XN	FIRE ALARM SPEAKER/STROBE – WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
THREE-WAY SWITCH FOUR-WAY SWITCH		POWER POLE	(C)d X	FIRE ALARM SPEAKER/STROBE – CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
SWITCH FOR FIXTURES MARKED 'a',	$\Theta$	DRYER	Xc	FIRE ALARM CHIME/STROBE – WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
DIMMER SWITCH	9	MOTOR	(C) C	FIRE ALARM CHIME/STROBE - CEILING MOUNTED
KEYED SWITCH		SWITCH - THERMAL TRIP WITH HEATER	P	(X DENOTES CANDELA RATING IF OTHER THAN 15cd) PHOTOELECTRIC SMOKE DETECTOR
MOMENTARY SWITCH	\$ <sub>1</sub>		0	MULTI-TECHNOLOGY SMOKE DETECTOR
OCCUPANCY SENSOR/SWITCH		SURFACE MOUNTED RACEWAY FUSED DISCONNECT	H	HEAT DETECTOR
PILOT LIGHTED SWITCH		NON-FUSED DISCONNECT	(H) <sub>135</sub> .	FIXED TEMPERATURE HEAT DETECTOR (135 DEGREES FAHRENHEIT)
PHOTOCELL		COMBINATION STARTER/FUSED DISCONNECT	DD	DUCT DETECTOR
OCCUPANCY SENSOR - WALL MOUNTED		STARTER OR CONTACTOR	FS	FLOW SWITCH
OCCUPANCY SENSOR – CEILING MOUNTED LOW VOLTAGE SWITCH(ES) FOR FIXTURES	J	JUNCTION BOX AND/OR CONNECTION	TS	TAMPER SWITCH
MARKED 'a', 'b', 'c' AS NOTED		METERING DEVICE	PS	PRESSURE SWITCH
KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c', ETC	VSD	VARIABLE SPEED DRIVE		DOOR HOLDER
	PB)	PUSHBUTTON – SPECIAL	DC	DOOR HOLDER/CLOSER
	●	PUSHBUTTON (1 BUTTON)	FACP	FIRE ALARM CONTROL PANEL
	••	PUSHBUTTON (2 BUTTON)	FAA	FIRE ALARM ANNUNCIATOR
	•••	PUSHBUTTON (3 BUTTON)	HGB	GLASS BREAK DETECTOR - WALL MOUNTED
		PANEL - SURFACE MOUNTED	GB	GLASS BREAK DETECTOR - CEILING MOUNTED
		PANEL – FLUSH MOUNTED		SECURITY INFRARED MOTION DETECTOR – LONG RANGE – WALL MOUNTED
		TRANSFORMER		SECURITY INFRARED MOTION DETECTOR -
	R	RELAY	(R)360	360 DEGREE COVERAGE – CEILING MOUNTED
	G	GROUND FAULT RELAY	D	DOOR CONTACT
	•	POINT OF CONNECTION	KP	SECURITY KEYPAD
				SECURITY CARD READER
				CCTV CAMERA – PAN TILT ZOOM
				CCTV CAMERA – FIXED
			HS	SPEAKER – WALL MOUNTED
			(S)	SPEAKER – CEILING OR PENDANT MOUNTED
			H®	HEARING IMPAIRED INFRARED RADIATOR
			HM	MICROPHONE - WALL MOUNTED
				MICROPHONE - FLOOR MOUNTED
			H® ©	TELEVISION OUTLET, +90" AFF, UON.
			©₽	DOCUMENT CAMERA – CEILING MOUNTED OVERHEAD PROJECTOR
			HO RO	ANALOG CLOCK ANALOG CLOCK/SPEAKER UNIT
			<u>C</u> S H©	DIGITAL CLOCK
				DIGITAL CLOCK/SPEAKER UNIT
				Some severy of Ennen Unit
NOTE: THIS IS A STANDARD LEGEND. NOT ALL	SYMBOLS NECESSA	RILY APPEAR ON THE DRAWINGS		

TED NTED

l 15cd) l 15cd)

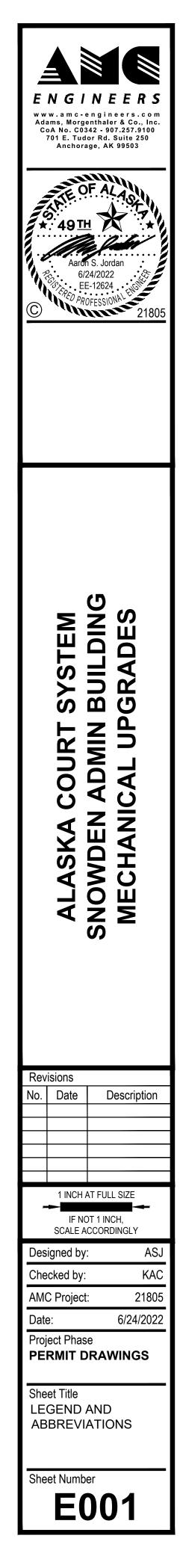
l 15cd) ED 15cd) TED l 15cd) UNTED N 15cd)

v 15cd) ITED 15cd) **MOA ePlans Stamp** 

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## NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



Location: Level 1 Fed From: MSB Mounting: Flush						PHASES:	3	20 Wye				ALC. RATING: MATCH EXISTING MAINS TYPE: LUGS RATING: 200A	
CIRCUIT DESCRIPTION		AMP	POLE	VA - P	HASE A	VA - P	HASE B	VA - P	HASE C	POLE	AMP	CIRCUIT DESCRIPTION	СКТ
REC – VEST, ED COORD		20	1	900	660					1	20	REC – COMPUTER	2
			1			720	900			1	20		4
			1					540	1200	1			6
			1	360	1200					1			8
			1			900	1440			1			1
			1					900	1120	1			1
			1	580	360					1	20		1
EQPMT – PLANETARY CAMERA		20	1			580	1200			1	20		1
EQPMT – 3M CAMERA		20	1					580	1730	1	20	REC – DUPLICATOR	1
EQPMT – 3M CAMERA		20	1	580	1500					1	20	REC – DUPLICATOR	1
REC – MICROGRAPHICS		20	1			180	1200			1	20	REC – READER PRINTER	1
			1					580	1200	1	20		2
		20	1	580	1200					1	20	REC – READER PRINTER	1
EQPMT – ZONE VALVE XFMR C2		20	1			580	900			1	20		1
REC – 145 SOUTH		20	1					180	180	1	20	REC – BREAK AREA	
REC – 145 SOUTH		20	1	540	540					1	20	REC – BREAK AREA	
REC – COPIER IBM		30	2			180				1	20	SPARE TO C2 FL1 WEST	
								180		1	20	SPARE	1
EQPMT - WATER HEATER WH-2		70	2	5304						3	15	SPARE	3
						5304							4
TP-1 - FAN ROOM 226								180					
				PHA	SE A	PHAS	BE B	PHA	SE C				
	PANEL	L	DAD	14.3	kVA			8.6	kVA				
		AN	<b>I</b> PS	119	А	117	А	71	А				
TYPE	CON	IECTED	LOAD	DEM	AND FA	CTOR	NE	C FACT	ORS			PANEL TOTALS	
		10788	VA		125%			13485					
UOUS		0	VA		100%			0			TOT	TAL CONNECTED LOAD: 37.0 kVA	
G		0										TOTAL NEC LOAD: 34.1 kVA	
		0	VA		0%			0					
G			VA VA		0% 100%			0 4960			TOT	AL CONNECTED AMPS: 102.6 A	
G		0	VA								тот		
	FED FROM: MSB MOUNTING: FLUSHCIRCUIT DESCRIPTIONREC - VEST, ED COORDREC - PERS DIRECTORREC - PM WORK AREAREC - PM WORK AREAREC - PM WORK AREAREC - PM WORK PERS ANALYSTEQPMT - PLANETARY CAMERAEQPMT - PLANETARY CAMERAEQPMT - PLANETARY CAMERAEQPMT - SIM CAMERAEQPMT - SIM CAMERAEQPMT - SIM CAMERAEQPMT - SIM CAMERAEQPMT - FF500 CAMERAEQPMT - EF500 CAMERAEQPMT - ZONE VALVE XFMR C2REC - 145 SOUTHREC - 145 SOUTHREC - 145 SOUTHREC - COPIER IBM	FED FROM: MSB MOUNTING: FLUSH CIRCUIT DESCRIPTION REC – VEST, ED COORD REC – PERS DIRECTOR REC – PM WORK AREA REC – PM WORK AREA REC – PM WORK PERS ANALYST EQPMT – PLANETARY CAMERA EQPMT – PLANETARY CAMERA EQPMT – PLANETARY CAMERA EQPMT – SM CAMERA EQPMT – 3M CAMERA EQPMT – 3M CAMERA EQPMT – STOO CAMERA EQPMT – EF500 CAMERA EQPMT – TONE VALVE XFMR C2 REC – 145 SOUTH REC – 145 SOUTH REC – COPIER IBM  EQPMT – WATER HEATER WH–2 	FED FROM: MSB MOUNTING: FLUSH         CIRCUIT DESCRIPTION       AMP         REC - VEST, ED COORD       20         REC - PERS DIRECTOR       20         REC - PM WORK AREA       20         EQPMT - PLANETARY CAMERA       20         EQPMT - PLANETARY CAMERA       20         EQPMT - PLANETARY CAMERA       20         EQPMT - SM CAMERA       20         EQPMT - EF500 CAMERA       20         EQPMT - ZONE VALVE XFMR C2       20         REC - 145 SOUTH       20         REC - 145 SOUTH       20         REC - COPIER IBM       30 <b>EQPMT - WATER HEATER WH-2 70 FOP-1 - FAN ROOM 226</b>	FED FROM: MSB MOUNTING: FLUSHCIRCUIT DESCRIPTIONAMPPOLEREC - VEST, ED COORD201REC - PERS DIRECTOR201REC - PM WORK AREA201REC - PM WORK AREA201REC - PM WORK AREA201EQPMT - PLANETARY CAMERA201EQPMT - PLANETARY CAMERA201EQPMT - PLANETARY CAMERA201EQPMT - SIM CAMERA201EQPMT - SIM CAMERA201EQPMT - SIM CAMERA201EQPMT - EF500 CAMERA201EQPMT - ZONE VALVE XFMR C2201REC - 145 SOUTH201REC - 145 SOUTH201REC - COPIER IBM302EQPMT - WATER HEATER WH-2702TP-1 - FAN ROOM 226	FED FROM: MSB mounting: FLUSH         CIRCUIT DESCRIPTION       AMP       POLE       VA - PI         REC - VEST, ED COORD       20       1       900         REC - PERS DIRECTOR       20       1       1         REC - PM WORK AREA       20       1       360         REC - PM WORK AREA       20       1       1         EQPMT - PLANETARY CAMERA       20       1       1         EQPMT - PLANETARY CAMERA       20       1       580         EQPMT - PLANETARY CAMERA       20       1       1         EQPMT - SM CAMERA       20       1       580         EQPMT - SM CAMERA       20       1       580         EQPMT - SM CAMERA       20       1       580         EQPMT - SON CAMERA       20       1       580         EQPMT - EF500 CAMERA       20       1       580         EQPMT - ZONE VALVE XFMR C2       20       1       580         EQPMT - TAS SOUTH       20       1       540         REC - 145 SOUTH       20       1       540         REC - 145 SOUTH       20       1       540         REC - 145 SOUTH       20       1       540	LOCATION:         LEVEL 1           FED FROM:         MSB         MOUNTING:         FLUSH           CIRCUIT DESCRIPTION         AMP         POLE         VA - PHASE A           REC - VEST, ED COORD         20         1         900         660           REC - PERS DIRECTOR         20         1         900         660           REC - PERS DIRECTOR         20         1         1         1           REC - PM WORK AREA         20         1         360         1200           REC - PM WORK AREA         20         1         1         1           EQPMT - PLANETARY CAMERA         20         1         1         1           EQPMT - PLANETARY CAMERA         20         1         580         360           EQPMT - PLANETARY CAMERA         20         1         1         1           EQPMT - PLANETARY CAMERA         20         1         1         1           EQPMT - SM CAMERA         20         1         580         1500           REC - MICROGRAPHICS         20         1         580         1200           EQPMT - EF500 CAMERA         20         1         580         1200           EQPMT - EF500 CAMERA         20         1<	FED FROM: MSB MOUNTING: FLUSHAMPPOLEVA.PHASEA: WRES:CIRCUIT DESCRIPTIONAMPPOLEVA.PHASEAVA.PREC - VEST, ED COORD201900660REC - PERS DIRECTOR20110720REC - PM WORK AREA2013601200REC - PM WORK AREA2013601200REC - PM WORK PERS ANALYST201360900EQPMT - PLANETARY CAMERA201580360EQPMT - PLANETARY CAMERA201580360EQPMT - SM CAMERA2015801500EQPMT - SM CAMERA2015801500EQPMT - SM CAMERA2015801200EQPMT - STANCAMERA2015801200EQPMT - STANCAMERA2015801200EQPMT - STANCAMERA2015801200EQPMT - EF500 CAMERA2015801200EQPMT - EF500 CAMERA2015801200EQPMT - EF500 CAMERA201540540REC - 145 SOUTH201540540REC - 145 SOUTH201114CO111 <td>LOCATION:         LEVEL 1         VOLTS:         208/12           FED FROM:         MSB         WIRES:         3           MOUNTING:         FLUSH         WIRES:         4           CIRCUIT DESCRIPTION         AMP         POLE         VA - PHASE A         VA - PHASE B           REC -         VEST, ED COORD         20         1         900         660        </td> <td>LOCATION:         LEVEL 1         VOLT8:         208/120         Wye           FED FROM:         MSB MOUNTING:         FLUSH         WIRES:         3           REC - VEST,         ED COORD         20         1         900         660         -         -           REC - VEST, ED COORD         20         1         900         660         -         -         -           REC - PERS DIRECTOR         20         1         900         1         -         720         900           REC - PM WORK AREA         20         1         360         1200         -         -         540           REC - PM WORK AREA         20         1         360         1200         -         -         900         1440         -           EQPMT - PLANETARY CAMERA         20         1         580         1200         -         -         -         -         580         1200         -         -         580         1200         -         -         580         1200         -         -         580         1200         -         -         -         580         1200         -         -         -         580         1200         -         -         <t< td=""><td>LOCATION:       LEVEL 1 FED FROM: MSB MOUNTING:       VOLTS:       208/120       Wye         REC FROM:       MSB MOUNTING:       FLUSH       WIRES:       3         CIRCUIT DESCRIPTION       AMP       POLE       VA - PHASE A       VA - PHASE B       VA - PHASE C         REC - VEST,       ED COORD       20       1       900       600       —       —         REC - PERS DIRECTOR       20       1       900       1       720       900       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1</td><td>LOCATION:         LEVEL 1 FED FROM:         Solution         Solution</td></t<><td>LOCATION: LEVEL 1 FED FROM: MSB MOUNTING: FLUSH VOLT8: 208/120 Wye PHASES: 3 WIRES: 4 CIRCUIT DESCRIPTION AMP POLE VA - PHASE A VA - PHASE B VA - PHASE C POLE AMP REC - VEST, ED COORD 20 1 900 660 1 1 20 REC - PERS DIRECTOR 20 1 720 900 1 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 580 160 1 20 REC - PM WORK AREA 20 1 580 160 1 1 20 REC - PM WORK AREA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - SM CAMERA 20 1 580 1500 1 1 20 REC - MICROGRAPHICS 20 1 580 1500 1 1 20 REC - 145 SOUTH 20 1 580 1200 1 20 REC - 145 SOUTH 20 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>LOCATION: LEVEL 1 FED FROM: MSB         YOLTS: 208/120 Wye         ALC RATING: MATCH EXISTING MAINS TYPE: LUGS RATING: 200A           CIRCUIT DESCRIPTION         AIP         POLE         VA - PHASE A         VA - PHASE C         POLE         AMP         CIRCUIT DESCRIPTION           REC - VEST, ED COORD         20         1         900         660         1         20         RC         PREN         CIRCUIT DESCRIPTION           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         720         900         140         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         360         100         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         580         1200         1         1         20         RC         TAPE EQUIPMENT           EOPMT - PLANETARY CAMERA         20         1         580         1200         1         20         RC&lt;</td>         FLW ROCESSOR</td>	LOCATION:         LEVEL 1         VOLTS:         208/12           FED FROM:         MSB         WIRES:         3           MOUNTING:         FLUSH         WIRES:         4           CIRCUIT DESCRIPTION         AMP         POLE         VA - PHASE A         VA - PHASE B           REC -         VEST, ED COORD         20         1         900         660	LOCATION:         LEVEL 1         VOLT8:         208/120         Wye           FED FROM:         MSB MOUNTING:         FLUSH         WIRES:         3           REC - VEST,         ED COORD         20         1         900         660         -         -           REC - VEST, ED COORD         20         1         900         660         -         -         -           REC - PERS DIRECTOR         20         1         900         1         -         720         900           REC - PM WORK AREA         20         1         360         1200         -         -         540           REC - PM WORK AREA         20         1         360         1200         -         -         900         1440         -           EQPMT - PLANETARY CAMERA         20         1         580         1200         -         -         -         -         580         1200         -         -         580         1200         -         -         580         1200         -         -         580         1200         -         -         -         580         1200         -         -         -         580         1200         -         - <t< td=""><td>LOCATION:       LEVEL 1 FED FROM: MSB MOUNTING:       VOLTS:       208/120       Wye         REC FROM:       MSB MOUNTING:       FLUSH       WIRES:       3         CIRCUIT DESCRIPTION       AMP       POLE       VA - PHASE A       VA - PHASE B       VA - PHASE C         REC - VEST,       ED COORD       20       1       900       600       —       —         REC - PERS DIRECTOR       20       1       900       1       720       900       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1</td><td>LOCATION:         LEVEL 1 FED FROM:         Solution         Solution</td></t<> <td>LOCATION: LEVEL 1 FED FROM: MSB MOUNTING: FLUSH VOLT8: 208/120 Wye PHASES: 3 WIRES: 4 CIRCUIT DESCRIPTION AMP POLE VA - PHASE A VA - PHASE B VA - PHASE C POLE AMP REC - VEST, ED COORD 20 1 900 660 1 1 20 REC - PERS DIRECTOR 20 1 720 900 1 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 580 160 1 20 REC - PM WORK AREA 20 1 580 160 1 1 20 REC - PM WORK AREA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - SM CAMERA 20 1 580 1500 1 1 20 REC - MICROGRAPHICS 20 1 580 1500 1 1 20 REC - 145 SOUTH 20 1 580 1200 1 20 REC - 145 SOUTH 20 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>LOCATION: LEVEL 1 FED FROM: MSB         YOLTS: 208/120 Wye         ALC RATING: MATCH EXISTING MAINS TYPE: LUGS RATING: 200A           CIRCUIT DESCRIPTION         AIP         POLE         VA - PHASE A         VA - PHASE C         POLE         AMP         CIRCUIT DESCRIPTION           REC - VEST, ED COORD         20         1         900         660         1         20         RC         PREN         CIRCUIT DESCRIPTION           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         720         900         140         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         360         100         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         580         1200         1         1         20         RC         TAPE EQUIPMENT           EOPMT - PLANETARY CAMERA         20         1         580         1200         1         20         RC&lt;</td> FLW ROCESSOR	LOCATION:       LEVEL 1 FED FROM: MSB MOUNTING:       VOLTS:       208/120       Wye         REC FROM:       MSB MOUNTING:       FLUSH       WIRES:       3         CIRCUIT DESCRIPTION       AMP       POLE       VA - PHASE A       VA - PHASE B       VA - PHASE C         REC - VEST,       ED COORD       20       1       900       600       —       —         REC - PERS DIRECTOR       20       1       900       1       720       900       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       360       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         REC - PM WORK AREA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1200       —       —       —       —         EQPMT - PLANETARY CAMERA       20       1       580       1	LOCATION:         LEVEL 1 FED FROM:         Solution         Solution	LOCATION: LEVEL 1 FED FROM: MSB MOUNTING: FLUSH VOLT8: 208/120 Wye PHASES: 3 WIRES: 4 CIRCUIT DESCRIPTION AMP POLE VA - PHASE A VA - PHASE B VA - PHASE C POLE AMP REC - VEST, ED COORD 20 1 900 660 1 1 20 REC - PERS DIRECTOR 20 1 720 900 1 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 360 1200 1 20 REC - PM WORK AREA 20 1 580 160 1 20 REC - PM WORK AREA 20 1 580 160 1 1 20 REC - PM WORK AREA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - PLANETARY CAMERA 20 1 580 1500 1 1 20 EQPMT - SM CAMERA 20 1 580 1500 1 1 20 REC - MICROGRAPHICS 20 1 580 1500 1 1 20 REC - 145 SOUTH 20 1 580 1200 1 20 REC - 145 SOUTH 20 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 540 540 1 1 20 REC - 145 SOUTH 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOCATION: LEVEL 1 FED FROM: MSB         YOLTS: 208/120 Wye         ALC RATING: MATCH EXISTING MAINS TYPE: LUGS RATING: 200A           CIRCUIT DESCRIPTION         AIP         POLE         VA - PHASE A         VA - PHASE C         POLE         AMP         CIRCUIT DESCRIPTION           REC - VEST, ED COORD         20         1         900         660         1         20         RC         PREN         CIRCUIT DESCRIPTION           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PERS DIRECTOR         20         1         720         900         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         720         900         140         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         360         100         1         20         RC         PRINTER           REC - PM WORK AREA         20         1         580         1200         1         1         20         RC         TAPE EQUIPMENT           EOPMT - PLANETARY CAMERA         20         1         580         1200         1         20         RC<

	LIGHTING FIXTUR	RE SCHEDU	JLE		
TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A	LITHONIA 2BLT4-48L-ADSM-EZ1-LP840 2'X4', LED TROFFER, ACRYLIC REFRACTOR, ACRYLIC DIFFUSERS, DAMP LOCATION SUITABLE, MULTIVOLT.	4000K	4800	38	RECESSED CEILING NOTE 2, 4
A2	LITHONIA 2BLT4-60L-ADSM-EZ1-LP840 SAME AS TYPE A BUT WITH 6000 LUMEN PACKAGE	4000K	6000	46	RECESSED CEILING NOTE 2, 4
В	LITHONIA LDN6-AL01-SWW1-LO6-AR-LS-MVOLT-UGZ1 6" DIAMETER, RECESSED LED, STEEL HOUSING, 55 DEGREE CUTOFF, SWITCHABLE LUMENS AND COLOR TEMPERATURE	4000K	1000	13	RECESSED CEILING NOTE 4, 9
С	KELVIX PQ35K-WR-24V LED TAPE, INDOOR/OUTDOOR USE, 24V POWER SUPPLY, DIMMABLE, 90+ CRI	3500К	551/FT	2.6/FT	SURFACE NOTE 7
D	JUNO R605L-40K-80CRI-PDIM-FL-WH LED CYLINDER TRACK LIGHT, DIE CAST ALUMINUM BODY, FLOOD DISTRIBUTION, PHASE DIMMABLE	4000K	1034	10.5	TRACK NOTE 8
Z	LITHONIA CSS-L48-ALO3-MVOLT-SWW3-80CRI 4' STRIPLIGHT, SYMMETRIC REFLECTOR, ACRYLIC DIFFUSE LENS, WHITE FINISH. SWITCHABLE LUMENS AND COLOR TEMPERATURE.	4000K	5000	44	SURFACE CEILING OR SUSPENDED NOTE 2, 3, 4, 9
SA	BEACON VP-Micro Strike-1-160L-50-4K8-4W-UNV-A-BLS; MTG-WB-BLS 14.4"X21.8", AREA/SITE LED, WIDE DISTRIBUTION, BLACK GLOSS FINISH, 120-277VAC	4000K	21000	160	WALL MOUNT NOTE 5
SB	BEACON VP-Micro Strike-1-160L-50-4K8-4F-UNV-A-BLS; MTG-ASQU-BLS; 14.4"X21.8", AREA/SITE LED, FORWARD THROW DISTRIBUTION, BLACK GLOSS FINISH, 120-277VAC	4000K	21000	160	POLE MOUNT NOTE 6
SC	LITHONIA WDGE3 LED-P2-40K-80CRI-RFT-MVOLT-SRM-DBLXD 18"X9", LED WALL MOUNT LUMINAIRE, DIE-CAST ALUMINUM HOUSING, POWDER COAT FINISH, FORWARD THROW MEDIUM, BLACK FINISH	4000K	8597	59	WALL MOUNT
EX	LITHONIA LQM-S-W-3-R-MVOLT-EL-N-SD; ELA-WG1 EXIT SIGN, STENCIL FACE TYPE, 1 OR 2 FACES AS SHOWN ON DRAWINGS, RED LETTER COLOR, ARROWS AS SHOWN ON DRAWINGS.	N/A	N/A	1	WALL OVER DOOR OR CEILING AS NOTED NOTE 2
	FIXTURE SCHEI	DULE NOTE	S		

1 REFER TO SPECIFICATION SECTION 26500 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHT FIXTURES, LED LAMPS AND DRIVERS.

2 PROVIDE AN UNSWITCHED CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES.

3 SURFACE CEILING MOUNT FIXTURES IN ROOMS/AREAS WITH CEILINGS. IN AREAS WITHOUT CEILINGS, PENDANT FIXTURES DOWN FROM BOTTOM OF STRUCTURE TO HEIGHT INDICATED. IN AREAS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, PENDANT FIXTURES DOWN TO BOTTOM OF MECHANICAL DUCTWORK OR PIPING AS APPROPRIATE. FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR RODS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH.

4 PROVIDE BATTERY PACK OPTION FOR EMERGENCY FIXTURES (OPTION E10WLCP FOR TYPE A AND A2; OPTION E10WCP FOR TYPE B, OPTION IE10WCPHE FOR TYPE Z).

5 ORDER WITH WALL MOUNT ACCESSORY BEACON CATALOG # MTG-WB-BLS

6 ORDER WITH POLE MOUNT ACCESSORY BEACON CATALOG # MTG-ASQU-BLS, LIGHT POLE BEACON CATALOG # SSS-B-30-40-B-1-BLS-UL HOUSE SIDE SHIELD BEACON CATALOG # SHD-1-HSS-90-S-BLS, AND VIBRATION DAMPER BEACON CATALOG # VM1

7 ORDER WITH KELVIX CHANNEL CATALOG # CH502A-CL-PV-EC, AND KELVIX POWER SUPPLY CATALOG # ULV96

8 ORDER WITH JUNO TRACK CATALOG # T-4FT-WH, AND JUNO FLOATING ELECTRICAL FEED CATALOG # T29-WH

9 ADJUST INTEGRATED LUMEN/CCT SWITCH ON FIXTURE TO VALUES SHOWN IN LIGHTING FIXTURE SCHEDULE.

ILE NAME: PLOTTED:

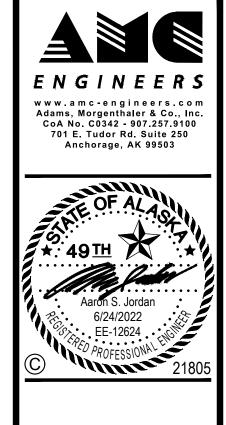
Location: Telecom RM						21 VOLTS:	208/120	0 \\\\\\						MATCH EXIS		
FED FROM: MSB MOUNTING: FLUSH						VOLTS: PHASES: WIRES:	3	U wye					IC. RATING IAINS TYPE RATING	LUGS	STING	
CKT#   CIRCUIT DESCRIPTION		AMP	POLE					VA - PHA	SE C I		AMP	CIR	CUIT DESC	RIPTION		CKT#
1 LTG – OPEN OFFICE HALL		20	1	960	720					3	20	REC - WA	TING			2
<ul> <li>3 LTG – ST.RULES, PURCH</li> <li>5 LTG – MECH, DUPL BREAK</li> </ul>		20 20	1			960	540	960 9	900		 	REC – PU REC – TEL		11		4
7 LTG – FISCAL CLERICAL		20	1	960	900	0.60	700					REC - TEL				8
9 LTG – ACCT, FISCAL PLA 11 LTG – CLERICAL CIRC		20 20	1			960	720	960 5	540			REC – ME REC – DU		MAIL		10 12
13 LTG – LAW CL, MAG CNC 15 STEAM		20 20	1	960	1200	1200	540					REC – DU REC – BR		RM		14
16 STEAM 17 STEAM		20	1			1200	540	1200 5	540			REC - BR				16 18
19 STEAM 21 HUMIDIFIER		20 20	1	1200	720	1200	540					REC – OP REC – PU		- 1		20 22
23 PWR - CL-2ND FLR, WEST		20	1			1200	010	1200 9	900	1	20	REC - OP	EN OFFICE			24
<ul> <li>26 REC – DUPLICATION SHREDDER</li> <li>27 AC-1, TELECOM ROOM</li> </ul>		20 <b>20</b>	1 2	1200	540	1144	720					REC – AD REC – FA>		RULE		26 28
29				0400	0.00			1144	720		20	REC - FAX	( AREA			30
31         AHU-1, SUPPLY FAN 1 (5HP)           33		35 	3	2102	900	2102	720				20 20	REC – OP REC – OP		WAITING		32 34
35            37         AHU-1, SUPPLY FAN 2 (5HP)		 35	 3	2102	1000			<b>2102</b> 1	000			PWR - CO REC - CO		IEL 227b		36 38
<b>39</b>				2102	1000	2102					20	SPARE	TER			40
41								2102		1	20	SPARE				42
	PANEL	LO	ΔN		kva	<b>PHAS</b>		<b>PHASE</b> 14.3 kV								
	FANGL	AM		129		13.4		14.3 KV 119 A								
							TOTA	. LOAD W		I						
OAD TYPE	CONNE	CTED I	LOAD	DEM	AND FA	CTOR	-	. LOAD W C FACTOR					PANEL	TOTALS		
CONTINUOUS			VA		125%			0								
IGHTING		0	VA		100%			0			TOT/	L CONNEC		+		
IOTOR	1	4897			111%			16473			TOT		NEC LOAD:		1	
NON-CONTINUOUS RECEPTACLE	2	0 28280	VA VA		100% 68%			0				L CONNEC TOTAL	NEC AMPS:			
					55%			0								
	SED ON AS-		VA DRAWIN	IGS AND	LIMITED	FIELD	DBSERVAT	TIONS								
Load Type Iotes: Existing Loads are estimated bas Bold text indicates changes mai		BUILT	DRAWIN	IGS AND			DBSERVAT	TIONS								
OTES: EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI LOCATION: TELECOM RM FED FROM: MSB	de under ti	BUILT	DRAWIN	IGS AND	C	22 Volts: Phases:	208/120 3						IAINS TYPE		STING	
OTES: EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI LOCATION: TELECOM RM FED FROM: MSB MOUNTING: FLUSH	de under Ti	Built <b>His Pr</b>	DRAWIN Coject		C	22 Volts: Phases: Wires:	208/120 3 4	O Wye				N	iains type Rating	LUGS 225A	STING	
OTES: EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI LOCATION: TELECOM RM FED FROM: MSB MOUNTING: FLUSH XT# CIRCUIT DESCRIPTION 1 REC - OPEN OFFICE	de under Ti	BUILT HIS PR	DRAWIN		C	22 Volts: Phases: Wires: Va - P	208/120 3 4		SE C	1		N Rec – Acc	IAINS TYPE RATING	: LUGS 225A <b>RIPTION</b>	STING	CKT# 2
OTES: EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI LOCATION: TELECOM RM FED FROM: MSB MOUNTING: FLUSH KT# CIRCUIT DESCRIPTION 1 REC - OPEN OFFICE 3 REC - OPEN OFFICE	de under Ti	BUILT HIS PR	DRAWIN Coject	VA - P	C2 HASE A	22 Volts: Phases: Wires:	208/120 3 4	0 Wye VA - PHAS		1 1	20 20	REC – ACC REC – FIE	IAINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT	: LUGS 225A <b>RIPTION</b>	STING	2 4
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         7       REC - OPEN OFFICE	de under Ti	BUILT HIS PR 20 20 20 20 20	DRAWIN Coject	VA - P	C2 HASE A	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360	208/120 3 4 <b>IASE B</b> 900	0 Wye VA - PHAS	<b>BE C</b>	1 1 1 1	20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAW	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK	: LUGS : 225A CRIPTION ST	STING	2 4 6 8
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         11       REC - OPEN OFFICE	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20	DRAWIN Coject	<b>VA - P</b> 360 360	<b>HASE A</b> 900 720	22 Volts: Phases: Wires: Va - P	208/120 3 4	0 Wye VA - PHA3 360 S		1 1 1 1 1 1	20 20 20	REC – ACC REC – FIE REC – FIS REC – LAW REC – STA REC – GRA	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE	EL	STING	2 4 6 8 10 12
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN Coject	<b>VA - P</b> 360	C: HASE A 900	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360	208/120 3 4 <b>IASE B</b> 900	0 Wye VA - PHA3 360 S	900	1       1       1       1       1       1       1       1       1       1       1	20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK ANT OFFICE G TRAINING	EL	STING	2 4 6 8 10 12 14
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         3       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         13       REC - OPEN OFFICE         15       REC - SHARED WORK	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN Coject	<b>VA - P</b> 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360	208/120 3 4 <b>IASE B</b> 900	0 Wye VA - PHAS 360 9 360 9	900	1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIS REC – FIS REC – LAV REC – GR/ REC – GR/ REC – MAY C2–2ND FI <b>REC – LEV</b>	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP	EL <b>RIPTION</b>	STING	2 4 6 8 10 12 14 14 16 18
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         15       REC - SHARED WORK	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN Coject	<b>VA - P</b> 360 360	<b>HASE A</b> 900 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360	208/120 3 4 <b>IASE B</b> 900	0 Wye VA - PHAS 360 9 360 9	900 900	1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – IAW REC – STA REC – GRA REC – MAA C2–2ND FI <b>REC – LEV</b> <b>REC – LEV</b>	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b>		2 4 6 8 10 12 14 16
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         13       REC - OPEN OFFICE         15       REC - SHARED WORK         17       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>VA - P</b> 360 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	0 Wye VA - PHAS 360 9 360 9	900 900	1       1	20 20 20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b>	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – MAC REC – LEV REC – LEV REC – LEV REC – LEV REC – LEV REC – LEV REC – LEV	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 14 16 18 20 22 22 24
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         4       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         15       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          25          27       SPARE	de under Ti	AMP 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT	<b>VA - P</b> 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	VA - PHAN 360 (\$ 360 (\$ 360 (\$ 360 (\$ 360 (\$	900 900	1       1	20 20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> <b></b>	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 24 26 28
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         9       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         15       REC - OPEN OFFICE         16       REC - SHARED WORK         17       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23          25	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>VA - P</b> 360 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	VA - PHAN 360 (\$ 360 (\$ 360 (\$ 360 (\$ 360 (\$	900 900	1       1	20 20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – STA REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 14 16 18 20 22 22 24 26 28 30
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         4       REC - OPEN OFFICE         5       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - OPEN OFFICE         15       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          26          27       SPARE         29       SPARE         29       SPARE         29       SPARE         31          33       REC	de under Ti	AMP 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>VA - P</b> 360 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	VA - PHAN 360 (\$ 360 (\$ 360 (\$ 360 (\$ 360 (\$	900 900	1       1	20 20 20 20 20 20 20 20 <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – FIS REC – LAW REC – STA REC – GRA REC – MAA C2–2ND FI <b>REC – LEV</b> <b>REC – LEV</b> <b>REC – LEV</b> <b>REC – LEV</b> <b>REC – LEV</b> <b>SPARE</b> SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 22 24 24 26 28 30 30 32 34
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         ELOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         29       SPARE         31	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>VA - P</b> 360 360 360	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	VA - PHAN 360 (\$ 360 (\$ 360 (\$ 360 (\$ 360 (\$	900 900	1       1	20 20 20 20 20 20 20 20 <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 22 24 26 28 30 32
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         XT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         4       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         18       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23          26          27       SPARE         29       SPARE         31          33       REC - ATTORNEY OFFICE         36       RECEPTACLE         37       REC - COPIER         39       SPARE <td>de under Ti</td> <td>BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>VA - P 360 360 360 180</td> <td>C2 HASE A 900 720 720</td> <td><b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720</td> <td>208/120 3 4 <b>1ASE B</b> 900 720 720</td> <td>VA - PHA 360 5 360 5 360 5 180 5</td> <td>900 900</td> <td>1       1</td> <td>20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN</td> <td>EL <b>RIPTION</b> EL <b>Y ROOM</b></td> <td></td> <td>2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40</td>	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180	C2 HASE A 900 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720	208/120 3 4 <b>1ASE B</b> 900 720 720	VA - PHA 360 5 360 5 360 5 180 5	900 900	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         9       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         29       SPARE         31          32       REC - ATTORNEY OFFICE         35       RECEPTACLE         36       RECEPTACLE	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>VA - P</b> 360 360 360 180 180	Cá HASE A 900 720 720 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 	208/120 3 4 <b>ASE B</b> 900 720 720 1 10 10	0       Wye         VA - PHAS         360       9	900 900 540	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 22 24 24 26 28 30 32 34 36 38
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         6       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         31          32       REC - ATTORNEY OFFICE         33       REC - COPIER         39       SPARE		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT	VA - P 360 360 360 180 180 180 180	Cá HASE A 900 720 720 720 720 720 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 180 180 9 180 9 180	208/120 3 4 <b>1ASE B</b> 900 720 720 10 10 10 10 10 10	0       Wye         VA - PHAX         360       9         360       9         360       9         360       9         360       9         360       9         360       9         360       9         360       9         360       10         360       10         360       10         180       10         180       10         180       10         180       10         180       10         180       10         180       10         180       10         180       10         180       10	900 900 540	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         6       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         31          32       REC - ATTORNEY OFFICE         33       REC - COPIER         39       SPARE	de under Ti	BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT	VA - P 360 360 360 180 180 180 4.5	Cá HASE A 900 720 720 720 720	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 180 180 9 180 9 180	208/120 3 4 1ASE B 900 720 720 10 10 10 10 10 10 10 10 10 10 10 10	0       Wye         VA - PHAS         360       9	900 900 540	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         6       REC - OPEN OFFICE         11       REC - OPEN OFFICE         5       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         31          32       REC - ATTORNEY OFFICE         33       REC - COPIER         39       SPARE		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5	Ci         HASE A         900         720 <td< td=""><td>22 VOLTS: PHASES: WIRES: VA - P 360 360 720 180 180 180 9 180 180 3.3</td><td>208/120 3 4 1ASE B 900 720 720 1 720 1 10 1 10 1 10 1 10</td><td>VA - PHAX         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         180         180         180         180         180         3.8         3.8         3.8         3.8         32</td><td>2000 2000 540 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>1       1</td><td>20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td><td>CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN</td><td>EL <b>RIPTION</b> EL <b>Y ROOM</b></td><td></td><td>2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40</td></td<>	22 VOLTS: PHASES: WIRES: VA - P 360 360 720 180 180 180 9 180 180 3.3	208/120 3 4 1ASE B 900 720 720 1 720 1 10 1 10 1 10 1 10	VA - PHAX         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         360         180         180         180         180         180         3.8         3.8         3.8         3.8         32	2000 2000 540 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	CUIT DESC CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK AFF COUNS ANT OFFICE G TRAINING L. WEST VEL 2 COP VEL 2 FAN	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         ELOCATION:       TELECOM RM FED FROM:         MSB MOUNTING:       FLUSH         KT#       CIRCUIT DESCRIPTION         1       REC -         3       REC -         4       REC -         5       REC -         6       REC -         7       REC -         8       REC -         9       REC -         11       REC -         12       REC -         13       REC -         14       REC -         15       REC -         16       REC -         17       REC -         18       SPARE         21       HUMIDIFIER         23          25          26          27       SPARE         31		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5 38	Ci         HASE A         900         720 <td< td=""><td><b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180</td><td>208/120 3 4 9000 7200 7200 1 10 1 10 1 10 1 10 1 10 1</td><td>VA - PHAN         360         360         360         360         360         360         360         360         360         360         360         360         360         360         180         180         180         180         180         38</td><td>900 900 540 540 6 7 7 7 7 7</td><td>1       1</td><td>20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td><td>AINS TYPE RATING</td><td>EL <b>RIPTION</b> EL <b>Y ROOM</b></td><td></td><td>2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40</td></td<>	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180	208/120 3 4 9000 7200 7200 1 10 1 10 1 10 1 10 1 10 1	VA - PHAN         360         360         360         360         360         360         360         360         360         360         360         360         360         360         180         180         180         180         180         38	900 900 540 540 6 7 7 7 7 7	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	AINS TYPE RATING	EL <b>RIPTION</b> EL <b>Y ROOM</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM FED FROM:         MSB       MOUNTING:         FLUSH       CIRCUIT DESCRIPTION         1       REC -         0PEN OFFICE       REC -         3       REC -         7       REC -         9       REC -         10       REC -         11       REC -         12       HUMIDIFIER         13       REC -         14       HUMIDIFIER         15       REC -         16       REC -         17       REC -         18       REC -         19       SPARE         21       HUMIDIFIER         23          24       SPARE		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5 38	C2 HASE A 900 720 720 720 720 720 720 720 7	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180	208/120 3 4 9000 7200 7200 1 7200 1 10 1 10 1 10 1 10	VA - PHAX 360 5 360 5 360 5 360 5 180 7 180 7	900 900 540 540 6 7 7 7 7 7	1       1	20 20 20 20 20 20 20 <b>20</b> <b>20</b> <b>20</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	REC – ACC REC – FIE REC – FIS REC – LAV REC – STA REC – GRA REC – GRA REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	AINS TYPE RATING	EL <b>Y ROOM</b> <b>ROOM</b> <b>L 2 FAN ROC</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         ELOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         XT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         5       REC - OPEN OFFICE         6       REC - OPEN OFFICE         7       REC - OPEN OFFICE         8       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          25          26          31          33       REC - COPIER         39       SPARE         31          33       REC - COPIER         39       SPARE         41       FIRE ALARM AUTO		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5 38	Cá HASE A 900 720 720 720 720 720 720 720 7	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180	208/120 3 4 9000 7200 7200 1 7200 1 10 1 10 1 10 1 10	VA - PHAX 360 S 360 S 360 S 360 S 360 S 4 360 S 4 37 4 4 37 4 37 4 37 4 37 4 37 4 37 4 37 4 4 37 4 4 4	900 900 540 540 6 7 7 7 7 7	1       1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	REC – ACC REC – FIE REC – FIS REC – IAV REC – ST/ REC – GR/ REC – AAC REC – AAC REC – AAC REC – AAC REC – AAC REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK ANT OFFICE G TRAINING WEST VEL 2 COP VEL 2 FAN ER LEVE	ELUGS 225A <b>CRIPTION</b> ST EL <b>Y ROOM</b> <b>ROOM</b> <b>L 2 FAN ROO</b> <b>I 2 FAN ROO</b> <b>I 11.5 kVA</b>		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         FED FROM:       MSB         MOUNTING:       FLUSH         XT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         6       REC - OPEN OFFICE         7       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - SHARED WORK         15       REC - SHARED WORK         19       SPARE         21       HUMIDIFIER         23          25          26          37       REC - COPIER         39       SPARE         31          33       REC - COPIER         39       SPARE         41       FIRE ALARM AUTO DIALER		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5 38	Cá HASE A 900 720 720 720 720 720 720 720 7	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180	208/120 3 4 9000 7200 7200 1 7200 1 10 1 10 1 10 1 10	VA - PHAX         360       9         180       9         180       9         180       9         180       9         180       9         180       9         180       9         180       9         180       9         13       9         0       9	900 900 540 540 6 7 7 7 7 7	1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	REC – ACC REC – FIE REC – FIS REC – IAV REC – ST/ REC – GR/ REC – AAC REC – AAC REC – AAC REC – LEV REC – LEV REC – LEV REC – LEV SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK FF COUNS ANT OFFICE G TRAINING - WEST FEL 2 COP FEL 2 FAN ER - LEVE	EL <b>Y ROOM</b> <b>ROOM</b> <b>L 2 FAN ROC</b> <b>TOTALS</b> 111.5 kVA 10.9 kVA		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40
OTES:       EXISTING LOADS ARE ESTIMATED BAS         BOLD TEXT INDICATES CHANGES MAI         BOLD TEXT INDICATES CHANGES MAI         LOCATION:       TELECOM RM         FED FROM:       MSB         MOUNTING:       FLUSH         XT#       CIRCUIT DESCRIPTION         1       REC - OPEN OFFICE         3       REC - OPEN OFFICE         6       REC - OPEN OFFICE         7       REC - OPEN OFFICE         8       REC - OPEN OFFICE         9       REC - OPEN OFFICE         11       REC - OPEN OFFICE         12       REC - OPEN OFFICE         13       REC - OPEN OFFICE         14       REC - OPEN OFFICE         15       REC - SHARED WORK         17       REC - SHARED WORK         18       SPARE         21       HUMIDIFIER         23          26          27       SPARE         29       SPARE         31          33       REC - ATTORNEY OFFICE         35       RECEPTACLE         37       REC - COPIER         39       SPARE <td></td> <td>BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20</td> <td>DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>VA - P 360 360 360 180 180 180 4.5 38</td> <td>Cá HASE A 900 720 720 720 720 720 720 720 7</td> <td><b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180</td> <td>208/120 3 4 14SE B 900 720 720 1 720 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>VA - PHAS 360 S 360 S 370 S</td> <td>900 900 540 540 6 7 7 7 7 7</td> <td>1    </td> <td>20 20 20 20 20 20 20 20 20 20 20 20 20 2</td> <td>REC       –       ACC         REC       –       FIE         REC       –       FIS         REC       –       IAV         REC       –       IAV         REC       –       IAV         REC       –       MAI         C2       –       IAV         REC       –       LEV         REC       –       LEV         REC       –       LEV         REC       –       LEV         SPARE       –       SPARE         SPARE       –       –         SPARE       –       –      &lt;</td> <td>AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK FF COUNS ANT OFFICE G TRAINING - WEST FEL 2 COP FEL 2 FAN ER - LEVE</td> <td>ELUGS 225A CRIPTION ST EL EL Y ROOM ROOM L 2 FAN ROO I 2 FAN ROO I 11.5 kVA 10.9 kVA 32.0 A</td> <td></td> <td>2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40</td>		BUILT HIS PR 20 20 20 20 20 20 20 20 20 20 20 20 20	DRAWIN COJECT COJECT POLE 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - P 360 360 360 180 180 180 4.5 38	Cá HASE A 900 720 720 720 720 720 720 720 7	<b>22</b> <b>VOLTS:</b> <b>PHASES:</b> <b>WIRES:</b> <b>VA - P</b> 360 360 720 180 720 180 9 180 180 9 180 180 180 180 180 180 180 180	208/120 3 4 14SE B 900 720 720 1 720 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VA - PHAS 360 S 360 S 370 S	900 900 540 540 6 7 7 7 7 7	1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	REC       –       ACC         REC       –       FIE         REC       –       FIS         REC       –       IAV         REC       –       IAV         REC       –       IAV         REC       –       MAI         C2       –       IAV         REC       –       LEV         REC       –       LEV         REC       –       LEV         REC       –       LEV         SPARE       –       SPARE         SPARE       –       –         SPARE       –       –      <	AINS TYPE RATING CUIT DESC CTS ANALYS LD ACCT CAL MGR V CLERK FF COUNS ANT OFFICE G TRAINING - WEST FEL 2 COP FEL 2 FAN ER - LEVE	ELUGS 225A CRIPTION ST EL EL Y ROOM ROOM L 2 FAN ROO I 2 FAN ROO I 11.5 kVA 10.9 kVA 32.0 A		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 38 40

## MOA ePlans Stamp

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## NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



## NEC 220.87 SERVICE CALCULATION

ELECTRICAL LOAD IS CALCULATED IN ACCORDANCE WITH NEC 220.87 FOR DETERMINING EXISTING NEW LOADS ARE CALCULATED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE NEC, WITH T GIVEN FOR DEMOLISHED LOADS.

ARAMETERS					
VOLTAGE:	208	VOLTS			
PHASE:	3	PHASE			
CAPACITY (AMPS):	2000	AMPS			
.OAD					
PEAK DEMAND kW:	133.6	kW (UTILITY	READINGS 2/3	3/2021 THROUGH	1/10/2022)
POWER FACTOR:	0.90	(ESTÌMATED)	,	,	, , ,
PEAK DEMAND kVA:	148.4	kVA			
NEC kVA:	185.6		25 <b>%</b> PEAK kVA	PER 220.87(2))	
		,			
NEW LOADS					
		VA PER	N.E.C.	kVA	
	QUAN	UNIT	FACTOR	LOAD	
PANEL "B31" :	1	47585.6	1.04	49.5	
PANEL "B32" :	1	68139.8	1.02	69.7	
PANEL "B33" :	1	65346.5	1.10	71.8	
AC-1:	1	2288.0	1.00	2.3	
AHU1-SF-1:	1	6306.0	1.25	7.9	
AHU1-SF-2:	1	6306.0	1.00	6.3	
RECEPTACLES:	1	1620.0	1.00	1.6	
WATER HEATER:	1	10608.0	1.25	13.3	
TOTAL NEW LOAD:				222.4	
D TOTAL LOAD					
EXISTING LOAD:	185.6	kVA			
TOTAL NEW LOAD:	222.4	kVA			
TOTAL LOAD:	407.9	kVA			
TOTAL LOAD AMPS:	1132	AMPS			
PARE CAPACITY					
SYSTEM CAPACITY:	2000	AMPS			
CALCULATED TOTAL LOAD:	1132	AMPS			
SPARE CAPACITY:	43.4%				
-					

C SYSTEM BUILDING GRADES URT S MIN A D O C  $\mathbf{O}$ Z 1 4  $\square$ CH S **V** AL NO ME

S

Rev	isions						
No.	Date	Description					
	1 INCH A	AT FULL SIZE					
_		DT 1 INCH, CCORDINGLY					
Des	igned by						
Checked by: KA							
AM	C Project	: 21805					
Date	ə:	6/24/2022					
	Project Phase PERMIT DRAWINGS						
Sheet Title SCHEDULES AND CALCULATIONS							
She	et Number	er <b>)02</b>					

						D	31							
	LOCATION: LEVEL 3 FAI	N ROOM						208/12	20 Wye				ALC. RATING:	
	FED FROM: MSB						PHASES:						MAINS TYPE:	
	MOUNTING: SURFACE						WIRES:	4					RATING:	200A
(T#	CIRCUIT DESCRIPTION		AMP	POLE	VA - PI	HASE A	VA - P	HASE B	VA - P	HASE C	POLE	AMP	CIRCUIT DESCI	RIPTION
1	AHU-3, SF-1 (5HP)		35	3	2102	576					3	15	AHU-3, RF-1 (1HP)	
3							2102	576						
5									2102	576		-		
7	AHU-3, SF-2 (5HP)		35	3	2102	576					3	15	AHU-3, RF-2 (1HP)	
9							2102	576						
H									2102	576		-		
3	ACC-3 (55FLA)		80	3	6605	1321					3	20	RF-2 (3HP)	
5							6605	1321						
7									6605	1321				
9	REC – MECH 307 WEST #1, TRAP	PRIMER	20	1	550	937					3	15	SCF-1 (1HP)	
21	REC – EXT (ROOF)		20	1			540	937						
3	REC – MECH 307 AHU-2, SOUTH	VEST	20	1					360	937				
5	SPARE		20	1		1920		400			1	30	EF-1 (1HP)	
7	SPARE		20	1				180		400	1	20	HEAT TRACE	
9	SPARE		20	1						180	1	20	UH-1	
3	SPARE		20	1			1000				1	20	SPARE	
3	HEAT TRACE (NOTE 1)		20	1			1200						SPACE	
5	SPACE												SPACE	
7	SPACE												SPACE	
9	SPACE												SPACE	
1	SPACE												SPACE	
						SE A	PHAS			SE C				
		PANEL	LC	DAD	16.7		16.1		14.8					
			AN	<i>I</i> IPS	139	A	134	Α	123	A				
								ΤΟΤΑ	L LOAD	WITH				
)AD '	TYPE	CONN	ECTED	LOAD	DEM	IAND FA	CTOR		C FACT				PANEL 1	OTALS
	IUOUS		1380	VA		125%			1725					
GHTIN	IG		0	VA		100%			0 26517 19815			τοτ	AL CONNECTED LOAD:	47.6 kVA
DTOR			24941			106%							TOTAL NEC LOAD:	49.5 kVA
<u>)N-</u> (	CONTINUOUS		19815	VA		100%						TOT	AL CONNECTED AMPS:	132.1 A
CEP	TACLE		1450	VA		100%			1450				TOTAL NEC AMPS:	137.4 A

1 PROVIDE GFCI BREAKER AND CONNECT LOAD AS SHOWN.

					B	33							
	LOCATION: LEVEL 3 FAN ROOM FED FROM: MSB MOUNTING: SURFACE				l	Volts: Phases: Wires:		20 Wye				ALC. RATING: 13,285 MAINS TYPE: LUGS RATING: 200A	
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA - P	HASE A	VA - P	HASE B	VA - P	HASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#
1	BOILER BLR-1	30	2	2080	2102					3	35	PMP-1 (5HP)	2
3						2080	2102						4
5	SPARE	20	1						2102				6
7	PMP-6, DDC PANEL (NOTE 1,2)	15	1	240						3	35	PMP-2 (5HP) REDUNDANT	8
9	WATER HEATER WH-1	60	2			4992							10
ti								4992					12
13	PMP-3 (3HP)	35	2	775	180					1	20	DUCT-TRANSFORMERS (NOTE 1)	14
15						775				1	20	SPARE	16
17	SPACE									1	20	SPARE	18
19	PMP-4 (3HP) REDUNDANT	35	2							1	20	SPARE	20
21										1	20	SPARE	22
23	SPACE									1	20	SPARE	24
25	ACC-1 (62FLA)	90	3	7446	5928					3	70	PANEL B34	26
27						7446	6772						28
29								7446	6800				30
31	REC – AHU–3, AHU–4	20	1	360								SPACE	32
33	REC – MECH 307 SOUTH	20	1			720						SPACE	34
35	TRAP PRIMER, BOILER ROOM	20	1					10				SPACE	36
37	SPARE	20	1									SPACE	38
39	SPARE	20	1									SPACE	40
41	SPARE	20	1									SPACE	42

		load Amps	PHASE A           19.1 kVA           159 A	<b>PHASE</b> 24.9 k 207 A	/A 21.3 kVA			
LOAD TYPE	CONNECTED	) LOAD	DEMAND FAC		TOTAL LOAD WITH NEC FACTORS		PANEL 1	TOTALS
CONTINUOUS	5320	) VA	125%		6650			
LIGHTING	1052	2 VA	125%		13153	ΤΟΤ	AL CONNECTED LOAD:	65.3 kVA
MOTOR	18080	O VA	114%		20576		TOTAL NEC LOAD:	71.8 kVA
NON-CONTINUOUS	2233	7 VA	100%		22337	тот/	L CONNECTED AMPS:	181.4 A
RECEPTACLE	9088	S VA	100%		9088		TOTAL NEC AMPS:	199.3 A

NOTES: EXISTING LOADS ARE ESTIMATED BASED ON AS-BUILT DRAWINGS AND LIMITED FIELD OBSERVATIONS 1 DISCONNECT LOAD FROM EXISTING PANEL B31 AND CONNECT TO CIRCUIT BREAKER SHOWN.

2 LOAD DESCRIPTION FROM EXISTING PANEL B31: "DOMESTIC HW CIRC PUMP, DDC PANEL"

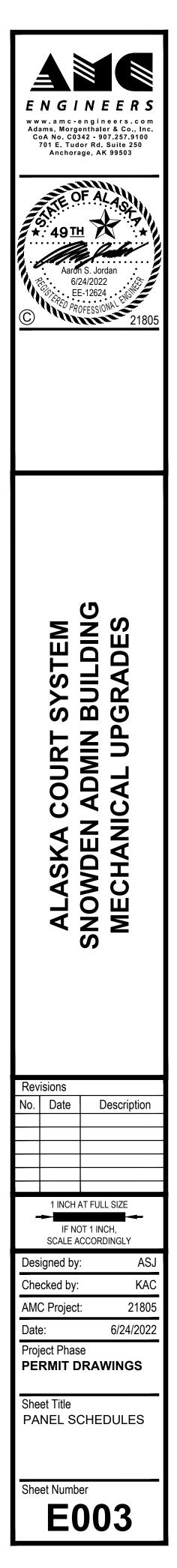
						B	32								
	Location: Level 3 FA FED FROM: MSB Mounting: Surface	N ROOM					Volts: Phases: Wires:		20 Wye				ALC. RATING: MAINS TYPE: RATING:	LUGS	
CKT#	CIRCUIT DESCRIPTION		AMP	POLE	<b>VA - P</b>	HASE A	VA - P	HASE B	VA - F	PHASE C	POLE	AMP	CIRCUIT DESCI	RIPTION	
	AHU-4, SF-1 (5HP)		35	3	2102	2102	0400	0400			3	35	AHU-2, SF-1 (5HP)		
3 5							2102	2102	2102	2102			 		
-	AHU-4, SF-2 (5HP)		35	3	2102	2102			2102	2102	3	35	AHU-2, SF-2 (5HP)		
9							2102	2102							
11					0005	7440			2102	2102					
13 15	ACC-4 (55FLA)		80	3	6605	7446	6605	7446			3	90	ACC-2 (62FLA)		
17							0000	7 ++0	6605	7446					
19	SPARE		20	1		385					2	15	PMP-5 (3/4HP)		
21 23	SPARE SPARE		20 20	1				385				 20	SPARE		
23 25	SPARE		20	1							1	20	SPARE		
27	SPARE		20	1							1	20	SPARE		
29 ~	SPARE		20	1									SPACE		
31 33	SPACE SPACE									_			SPACE SPACE		
35	SPACE												SPACE		
37	SPACE												SPACE		
39 41	SPACE SPACE												SPACE SPACE		
41	JFAUL			1				I					JFAUE		
		PANEL		)ad /Ps	<b>PHA</b> 22.8 190		22.8	kVA		ASE C 5 kVA 7 A					
							100			D WITH					
LOAD 1	ТҮРЕ		IECTED	LOAD	DEM	iand fa	CTOR	NE	C FAC	TORS			PANEL 1	TOTALS	
CONTIN	NUOUS		0	VA		125%			0	)					
LIGHTIN	NG		0	VA		100%			0	)		TOT	AL CONNECTED LOAD:	68.1 kVA	
MOTOR	?		25989	VA		106%			27565	5			TOTAL NEC LOAD:	69.7 kVA	
NON-C	CONTINUOUS		42151	VA		100%			42151	1		TOT	AL CONNECTED AMPS:	189.1 A	
RECEPT	PTACLE		0	VA		0%			0	)			TOTAL NEC AMPS:	193.5 A	
NOTES:	EXISTING LOADS ARE ESTIMATED B 1 DISCONNECT LOAD FROM EXISTING					CUIT BR			ATIONS						
NOTES:	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB	PANEL B31				CUIT BR	BAKER S 34 VOLTS: PHASES:	SHOWN. 208/1: 3					ALC. RATING: MAINS TYPE: DATING:	LUGS	
NOTES: 1	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE	PANEL B31			TO CIRC	DUIT BRI	BAKER S 34 VOLTS: PHASES: WIRES:	SHOWN. 208/1: 3 4	20 Wye		POLE	AMP		LUGS 200A	
NOTES: 1 CKT# 1	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG - SOUTH LIGHTS, EM LIGHTS	PANEL B31	AND C	ONNECT	TO CIRC	DUIT BRI	BAKER S 34 VOLTS: PHASES: WIRES: VA - P	208/1: 3 4 HASE B	20 Wye	PHASE C	<b>POLE</b>	20	Mains Type: Rating: Circuit desci Rec – Wiremold RM	LUGS 200A <b>RIPTION</b> #302 (NOTE 1)	
NOTES: 1 CKT# 1 3	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG – SOUTH LIGHTS, EM LIGHTS LTG – RM #305 (NOTE 1)	PANEL B31	AMP 20 20	ONNECT  POLE  1  1	TO CIRC 	B; B	BAKER S 34 VOLTS: PHASES: WIRES:	SHOWN. 208/1: 3 4	20 Wye	PHASE C	<b>POLE</b> 1 1 1	20 20	Mains type: Rating: Circuit desci Rec – Wiremold RM Rec – Wiremold RM	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1)	
NOTES: 1 CKT# 1	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 FA FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG – SOUTH LIGHTS, EM LIGHTS LTG – RM #305 (NOTE 1) LTG – EM LTS, EAST HALLWAY LTS	PANEL B31 AN ROOM (NOTE 1) S (NOTE 1)	AMP 20 20 20	ONNECT	TO CIRC VA - PI 96	B	BAKER S 34 VOLTS: PHASES: WIRES: VA - P	208/1: 3 4 HASE B	20 Wye		<b>POLE</b> 1 1 1 1 1	20 20 20	Mains type: Rating: CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1)	1)
NOTES: 1 CKT# 1 3 5 7 9	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG – SOUTH LIGHTS, EM LIGHTS LTG – RM #305 (NOTE 1) LTG – EM LTS, EAST HALLWAY LTS LTG – WORK OUT RM LIGHTS EM LIGHTING CONT. COIL (NOTE 1)	PANEL B31 AN ROOM (NOTE 1) S (NOTE 1)	AMP 20 20 20 20 20 20	ONNECT  POLE  1  1	TO CIRC 	B; B	BAKER S 34 VOLTS: PHASES: WIRES: VA - P	208/1: 3 4 HASE B	20 Wye <b>VA - F</b> 480	<b>PHASE C</b> 180	<b>POLE</b> 1 1 1 1 1 1	20 20 20 20 20 20	CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N LTG – EM LTS, EAST LTG – FLAG LIGHTS (N	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1)	1)
NOTES: 1 CKT# 1 3 5 7 9 11	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG – SOUTH LIGHTS, EM LIGHTS LTG – RM #305 (NOTE 1) LTG – EM LTS, EAST HALLWAY LTS LTG – WORK OUT RM LIGHTS EM LIGHTING CONT. COIL (NOTE 1) LTG – CLUSTERS (NOTE 1)	PANEL B31 AN ROOM (NOTE 1) S (NOTE 1)	AMP 20 20 20 20 20 20 20	ONNECT  POLE  1  1	TO CIRC VA - PI 96 712	B B HASE A 180 300	BAKER S B4 VOLTS: PHASES: WIRES: VA - P 384	208/1: 3 4 <b>HASE B</b> 180	20 Wye	PHASE C	1 1 1 1	20 20 20 20 20 20 20	CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N LTG – EM LTS, EAST LTG – FLAG LIGHTS (N LTG – M57 ENTRY CA	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1) NS (NOTE 1)	1)
NOTES: 1 CKT# 1 3 5 7 9 11 13	1 DISCONNECT LOAD FROM EXISTING LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG – SOUTH LIGHTS, EM LIGHTS LTG – RM #305 (NOTE 1) LTG – EM LTS, EAST HALLWAY LTS LTG – WORK OUT RM LIGHTS EM LIGHTING CONT. COIL (NOTE 1) LTG – CLUSTERS (NOTE 1) LTG – CLUSTERS (NOTE 1)	PANEL B31 AN ROOM (NOTE 1) S (NOTE 1)	AMP 20 20 20 20 20 20 20 20 20 20 20	ONNECT  POLE  1  1	TO CIRC VA - PI 96	B	EAKER S 34 VOLTS: PHASES: WIRES: VA - P 384	208/1: 3 4 HASE B 180	20 Wye <b>VA - F</b> 480	<b>PHASE C</b> 180	1 1 1 1	20 20 20 20 20 20 20 20	MAINS TYPE: RATING: CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N LTG – EM LTS, EAST LTG – FLAG LIGHTS (N LTG – M57 ENTRY CAI LTG – 1ST FLR BATH	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1) NS (NOTE 1) ENTRY (NOTE 1)	
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NOTES: 1 CKT# 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29	1 DISCONNECT LOAD FROM EXISTING         LOCATION: LEVEL 3 F/         FED FROM: MSB         MOUNTING: SURFACE         CIRCUIT DESCRIPTION         LTG - SOUTH LIGHTS, EM LIGHTS         LTG - RM #305 (NOTE 1)         LTG - EM LTS, EAST HALLWAY LT:         LTG - CLUSTERS (NOTE 1)         LTG - CLUSTERS (NOTE 1) <tr< td=""><td>PANEL B31 AN ROOM (NOTE 1) (NOTE 1) (NOTE 1) (NOTE 1) 1) E 1) E 1) D (NOTE 1)</td><td>AMP 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>TO CIRC VA - PI 96 712 1000 1080 1080</td><td><b>HASE A</b> 180 70 250 180</td><td>EAKER S 34 VOLTS: PHASES: WIRES: VA - P 384 180 1000 1000</td><td>208/1: 3 4 HASE B 180 1000 808 180</td><td>20 Wye <b>VA - F</b> 480 1000 1000</td><td>PHASE C 180 1000 720</td><td>1 1 1 1 1 1 1 1 1 1 1 1 2 </td><td>20 20 20 20 20 20 20 20 20 20 20 20 20 2</td><td>CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N LTG – EM LTS, EAST LTG – FLAG LIGHTS (N LTG – M57 ENTRY CAI LTG – 1ST FLR BATH REC – BOILER RM LTS REC – S. OFF. OUTLE ATRIUM PADDLE FANS HEAT TRACE (NOTE 2,3 LTG CONT. COIL – SIT LTG CONT. COIL – SIT LTG CONT. COIL – LOI LTG – EXTERIOR BUILE</td><td>LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1) NS (NOTE 1) ENTRY (NOTE 1) S &amp; OUTLETS (NOTE TS, SURFACE (NOTE (NOTE 2) 3) E-LTG BBY-LTG DING MOUNTED LTG</td><td>. 1)</td></tr<>	PANEL B31 AN ROOM (NOTE 1) (NOTE 1) (NOTE 1) (NOTE 1) 1) E 1) E 1) D (NOTE 1)	AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO CIRC VA - PI 96 712 1000 1080 1080	<b>HASE A</b> 180 70 250 180	EAKER S 34 VOLTS: PHASES: WIRES: VA - P 384 180 1000 1000	208/1: 3 4 HASE B 180 1000 808 180	20 Wye <b>VA - F</b> 480 1000 1000	PHASE C 180 1000 720	1 1 1 1 1 1 1 1 1 1 1 1 2 	20 20 20 20 20 20 20 20 20 20 20 20 20 2	CIRCUIT DESCI REC – WIREMOLD RM REC – WIREMOLD RM REC – WIREMOLD RM REC – 305 COPIER (N LTG – EM LTS, EAST LTG – FLAG LIGHTS (N LTG – M57 ENTRY CAI LTG – 1ST FLR BATH REC – BOILER RM LTS REC – S. OFF. OUTLE ATRIUM PADDLE FANS HEAT TRACE (NOTE 2,3 LTG CONT. COIL – SIT LTG CONT. COIL – SIT LTG CONT. COIL – LOI LTG – EXTERIOR BUILE	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1) NS (NOTE 1) ENTRY (NOTE 1) S & OUTLETS (NOTE TS, SURFACE (NOTE (NOTE 2) 3) E-LTG BBY-LTG DING MOUNTED LTG	. 1)
NOTES: 1 CKT# 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31	LOCATION: LEVEL 3 F/ FED FROM: MSB MOUNTING: SURFACE CIRCUIT DESCRIPTION LTG - SOUTH LIGHTS, EM LIGHTS LTG - RM #305 (NOTE 1) LTG - EM LTS, EAST HALLWAY LT: LTG - WORK OUT RM LIGHTS EM LIGHTING CONT. COIL (NOTE 1) LTG - CLUSTERS (NOTE 1) REC - HALLWAY OUTLETS (NOTE REC - WIREMOLD RM #305 (NOTE REC - WIREMOLD RM #305, #310 REC - BATH AND HALL REC. (NO	PANEL B31 AN ROOM (NOTE 1) (NO	AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO CIRC VA - PI 96 712 1000 1000	HASE A 180 300 70 250	EAKER S 34 VOLTS: PHASES: WIRES: VA - P 384 180 1000 1000	208/1: 3 4 HASE B 180 1000 808 180	20 Wye <b>VA - F</b> 480 1000 900	PHASE C 180 1000 720 180	1 1 1 1 1 1 1 1 1 1 1 1 2	20 20 20 20 20 20 20 20 20 20 20 20 20 2	MAINS TYPE: RATING:         CIRCUIT DESCI REC – WIREMOLD RM         REC – WIREMOLD RM         REC – 305 COPIER (N         LTG – EM LTS, EAST I         LTG – FLAG LIGHTS (N         LTG – TLAG LIGHTS (N         LTG – ST FLR BATH         REC – S. OFF. OUTLE         ATRIUM PADDLE FANS         HEAT TRACE (NOTE 2,3         LTG CONT. COIL – SIT         LTG CONT. COIL – LOB	LUGS 200A <b>RIPTION</b> #302 (NOTE 1) #302 (NOTE 1) NOTE 1) HALLWAY LTS (NOTE NOTE 1) NS (NOTE 1) ENTRY (NOTE 1) S & OUTLETS (NOTE TS, SURFACE (NOTE (NOTE 2) 3) E-LTG BBY-LTG DING MOUNTED LTG	. 1)
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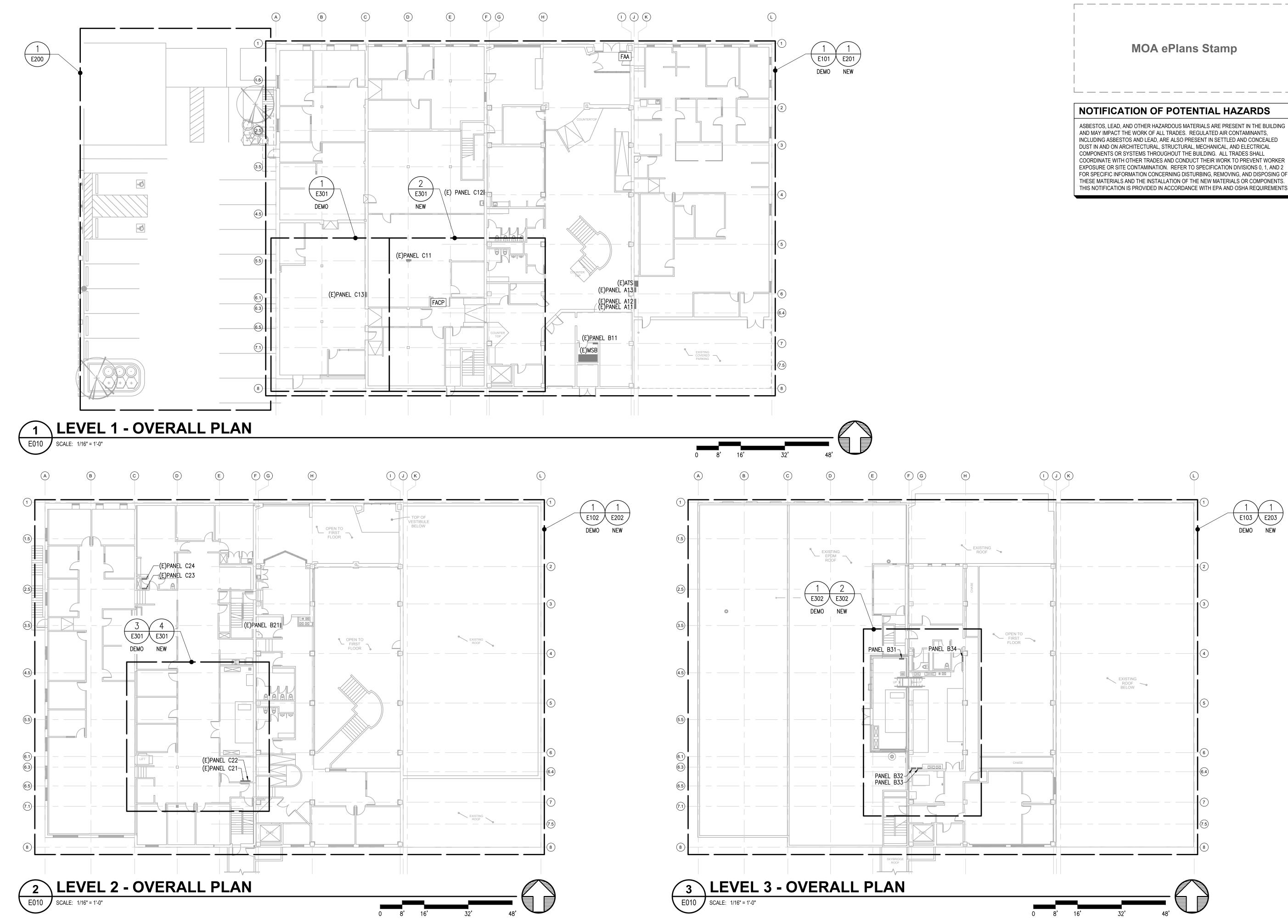
3 PROVIDE GFCI CIRCUIT BREAKER AND CONNECT LOAD.

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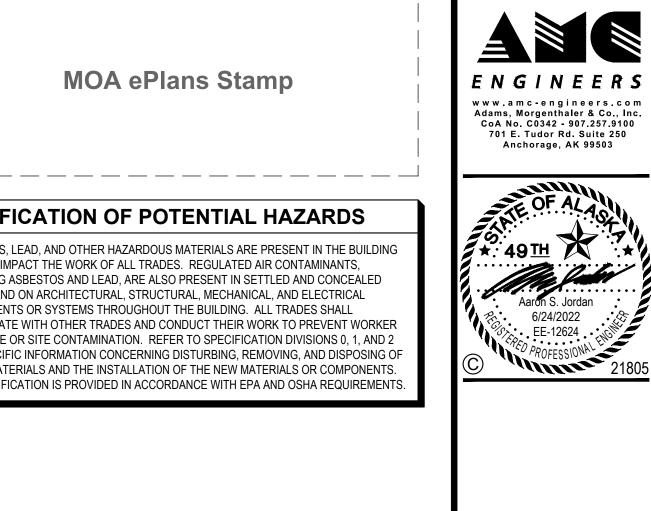
## NOTIFICATION OF POTENTIAL HAZARDS

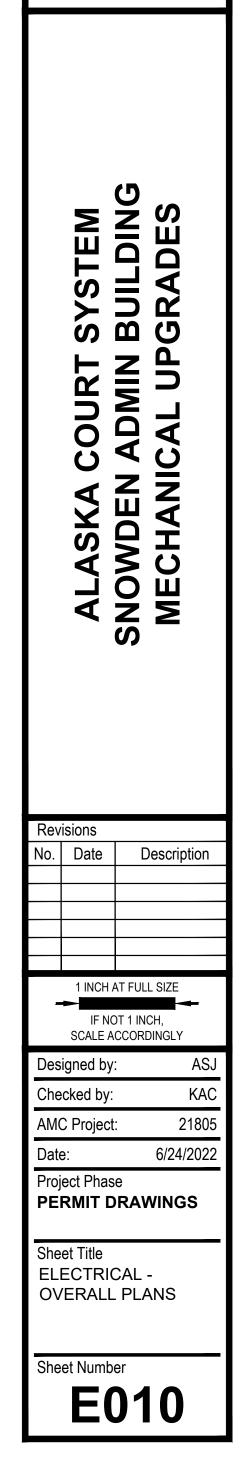
ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

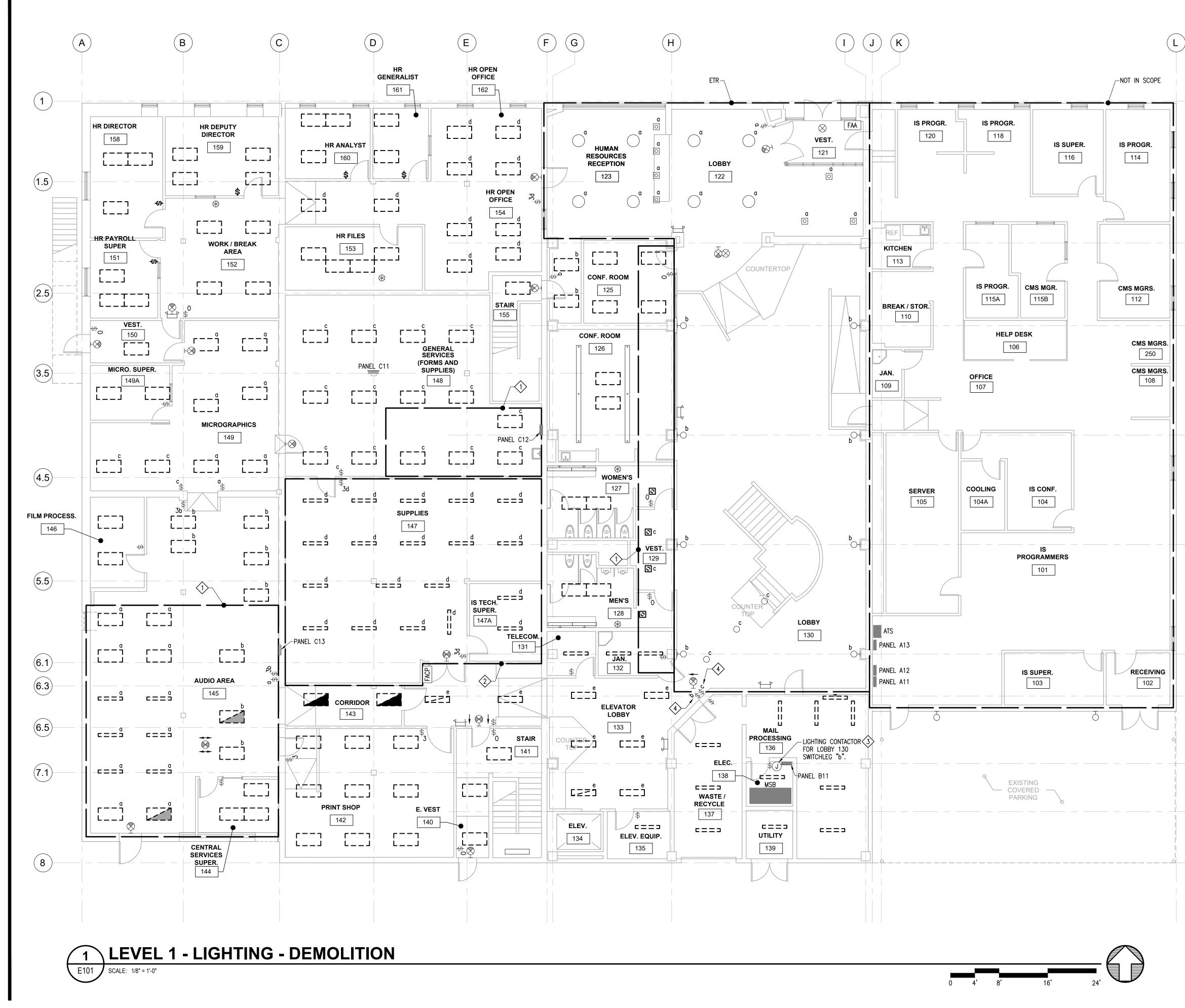




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#### NOTIFICATION OF POTENTIAL HAZARDS

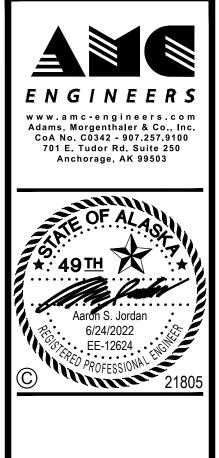
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## **DEMOLITION NOTES**

BASE BID: REMOVE AND RETAIN EXISTING RECESSED LIGHTING FIXTURES AS REQUIRED TO FACILITATE THE REMOVAL OF THE ABOVE CEILING MECHANICAL EQUIPMENT AND/OR DUCT WORK. STORE FIXTURES IN A SAFE PLACE FOR REINSTALLATION IAW SHEET E201.

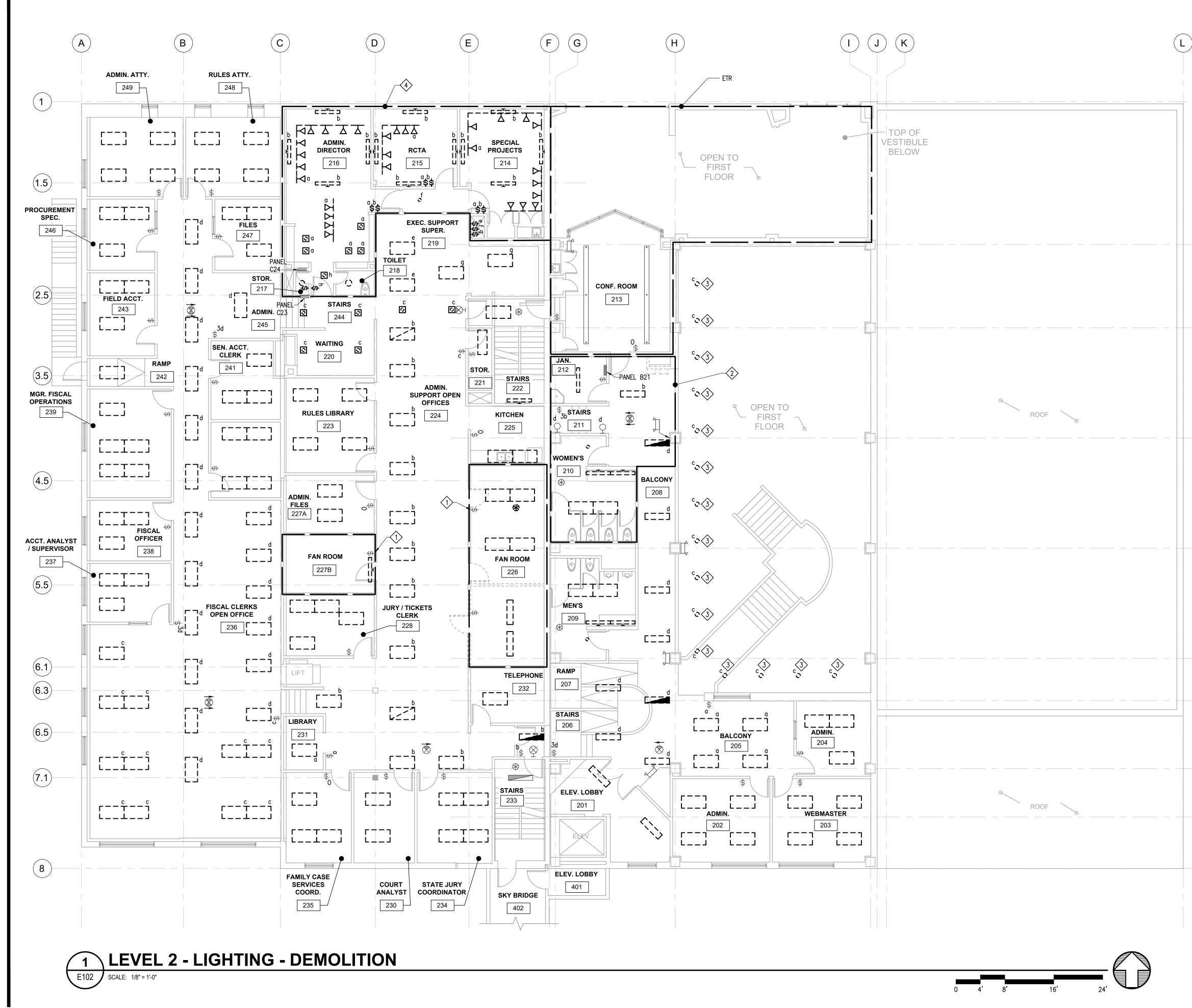
ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E201.

- BASE BID; DEMOLISH EXISTING SURFACE MOUNTED FIXTURES, RETAIN EXISTING CIRCUITS FOR RECONNECTION IAW SHEET E201
- BASE BID: LIGHT SWITCH CONTROLS DOWN LIGHTS IN LEVEL 2 SOFFIT VIA CONTACTOR IN ELEC ROOM 138. REFER TO SHEET E101 FOR CONTACTOR LOCATION, AND E102 FOR LIGHT LOCATIONS.
- ABASE BID: LIGHT SWITCH CONTROLS PENDANT LIGHTS ON LEVEL 3 LOBBY<br/>CEILING, DOWN LIGHTS UNDER STAIRS IN LOBBY, AND DOWN LIGHTS IN<br/>VESTIBULE 129 VIA CONTACTOR IN MECH ROOM 307. REFER TO SHEET<br/>E302 FOR CONTACTOR LOCATION, AND E203 FOR LIGHT LOCATIONS.
- 5. UON DEMOLITION ON THIS SHEET SHALL BE ALTERNATE #2. ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E201. REFER TO ARCHITECTURAL RCP PLANS FOR ADDITIONAL INFORMATION.



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#### NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

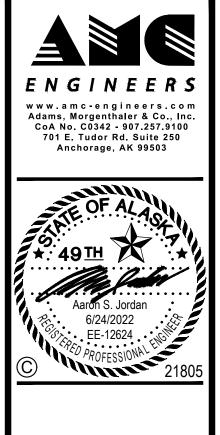
## **DEMOLITION NOTES**

- BASE BID: DEMOLISH EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROL SWITCHES IN EXISTING FAN ROOMS. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E202.
- BASE BID: REMOVE AND RETAIN EXISTING RECESSED LIGHTING FIXTURES AS REQUIRED TO FACILITATE THE REMOVAL OF THE ABOVE CEILING MECHANICAL EQUIPMENT AND/OR DUCT WORK. STORE FIXTURES IN A SAFE PLACE FOR REINSTALLATION IAW SHEET E202.

ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E202.

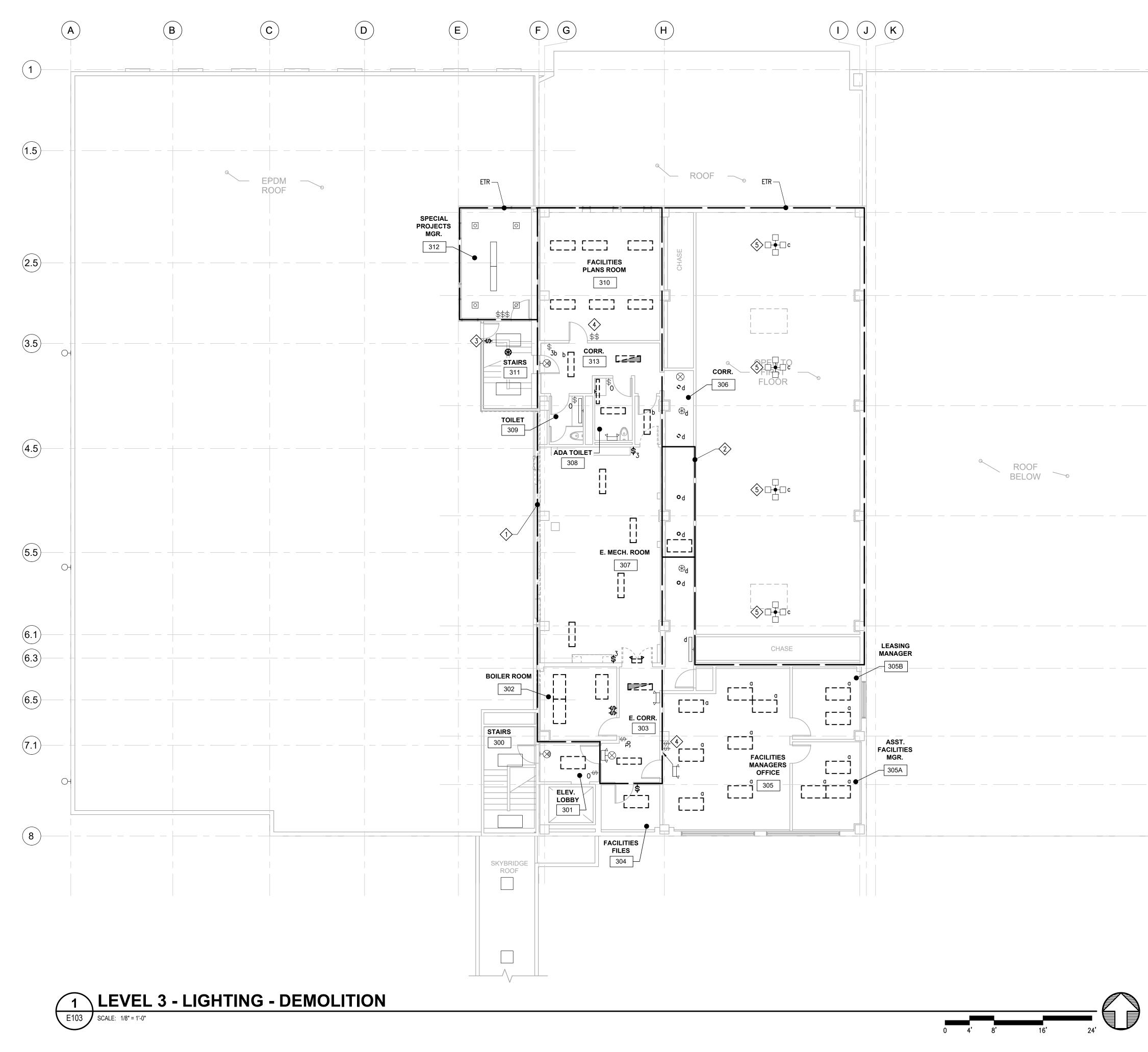
 $\langle 3 \rangle$  BASE BID: SEE SHEET E101 FOR LOCATION OF LIGHTING CONTROL SWITCH.

- BASE BID; DEMOLISH EXISTING LIGHTING FIXTURES, RETAIN EXISTING CIRCUITS FOR RECONNECTION IAW SHEET E202.
- 5. UON DEMOLITION ON THIS SHEET SHALL BE ALTERNATE #2. ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E202. REFER TO ARCHITECTURAL RCP PLANS FOR ADDITIONAL INFORMATION.



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#### NOTIFICATION OF POTENTIAL HAZARDS

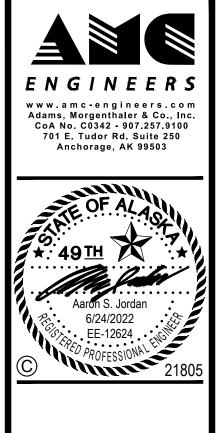
ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

## **DEMOLITION SHEET NOTES**

- BASE BID: DEMOLISH EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROL SWITCHES IN EXISTING FAN ROOM, OFFICES, TOILET ROOMS AND  $\langle 1 \rangle$ CORRIDORS.
- BASE BID: REMOVE AND RETAIN EXISTING RECESSED LIGHTING FIXTURES AS  $\langle 2 \rangle$ REQUIRED TO FACILITATE THE REMOVAL OF THE ABOVE CEILING MECHANICAL EQUIPMENT AND/OR DUCT WORK. STORE FIXTURES IN A SAFE PLACE FOR REINSTALLATION AW SHEET E203.

ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E203.

- BASE BID: DEMOLISH EXISTING EXTERIOR ROOF LIGHT SWITCH. PROVIDE  $\langle 3 \rangle$ NEW SWITCH IAW SHEET E203.
- DUAL LIGHT SWITCHES CONTROL IN-BOARD AND OUT-BOARD BALLASTS.  $\langle 4 \rangle$ RECONFIGURE SWITCHING IAW SHEET E203.
- 5 BASE BID: SEE SHEET E101 FOR LOCATION OF LIGHTING CONTROL SWITCH.
- 6. UON DEMOLITION ON THIS SHEET SHALL BE ALTERNATE #2. ALTERNATE #2: DEMOLISH EXISTING LIGHTING FIXTURES LOCATED IN ACT. RETAIN EXISTING LIGHTING CIRCUITS FOR RE-CONNECTION TO NEW LIGHTING PROVIDED IAW SHEET E203. REFER TO ARCHITECTURAL RCP PLANS FOR ADDITIONAL INFORMATION.



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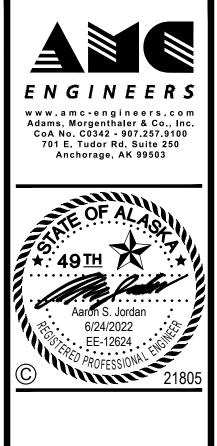
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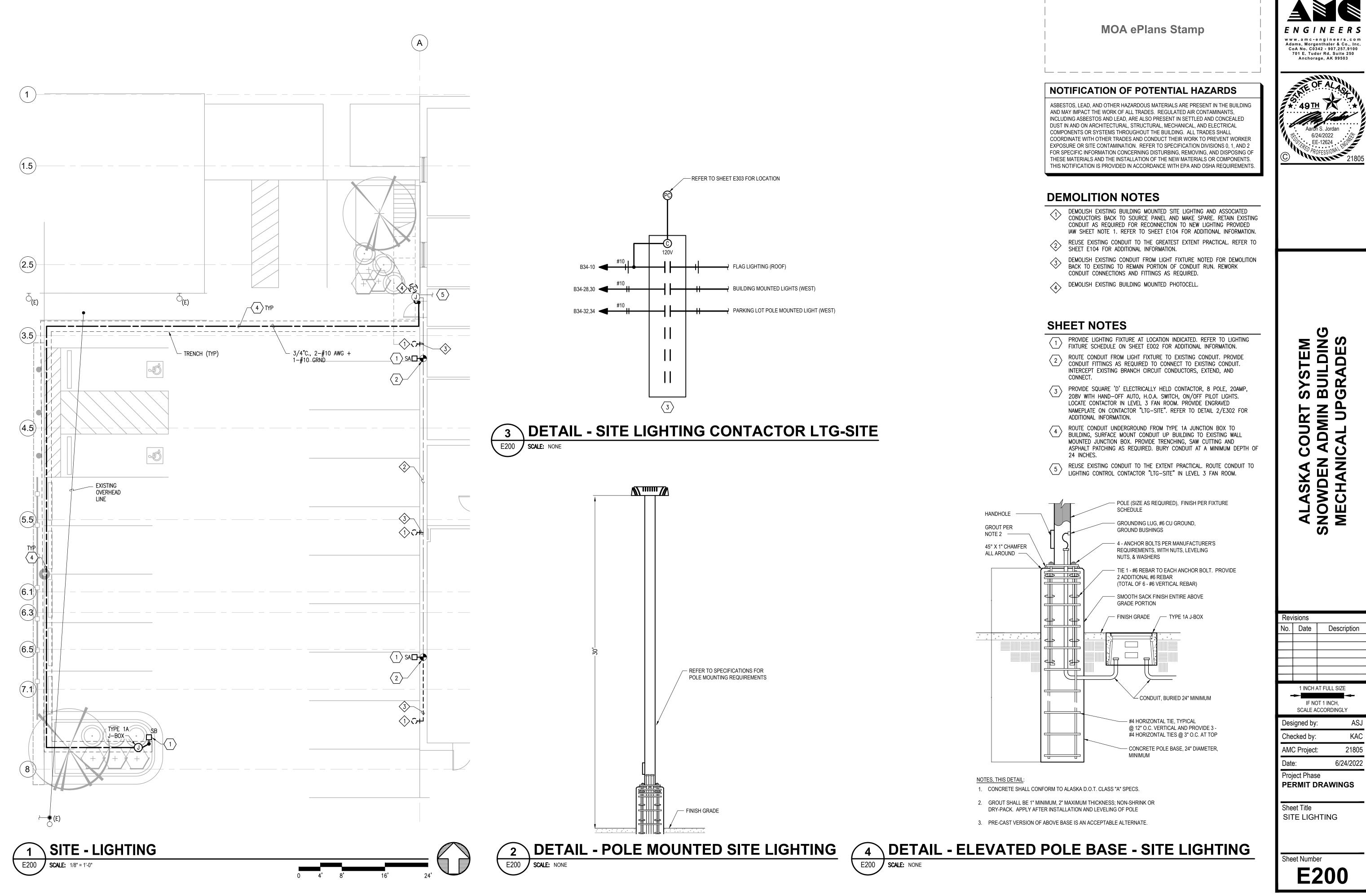
### **DEMOLITION SHEET NOTES**

- DEMOLISH EXISTING CONNECTIONS TO MECHANICAL EQUIPMENT INDICATED. DEMOLISH ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL.
- DEMOLISH EXISTING FLAG LIGHT PHOTOCELL AND ASSOCIATED CONDUIT AND CONDUCTORS ON EXTERIOR WALL BACK TO SOURCE PANEL.
- BEMOLISH EXISTING FIRE ALARM ACTUATORS AND ASSOCIATED CONDUIT AND CABLING BACK TO FACP. PROVIDE REQUIRED PROGRAMMING TO REMOVE FROM SYSTEM. REFER TO OVERALL PLAN ON SHEET E010 FOR FACP LOCATION.
- DEMOLISH EXISTING LIGHT AND LIGHT SWITCH. LIGHT SWITCH LOCATED INSIDE ADJACENT TO DOORWAY AT TOP OF STAIRS. REFER TO SHEET E103 FOR ADDITIONAL INFORMATION.
- DEMOLISH EXISTING BUILDING MOUNTED LIGHTS IAW SHEET E200. RETAIN EXISTING CONDUIT FOR REUSE WHERE FEASABLE.



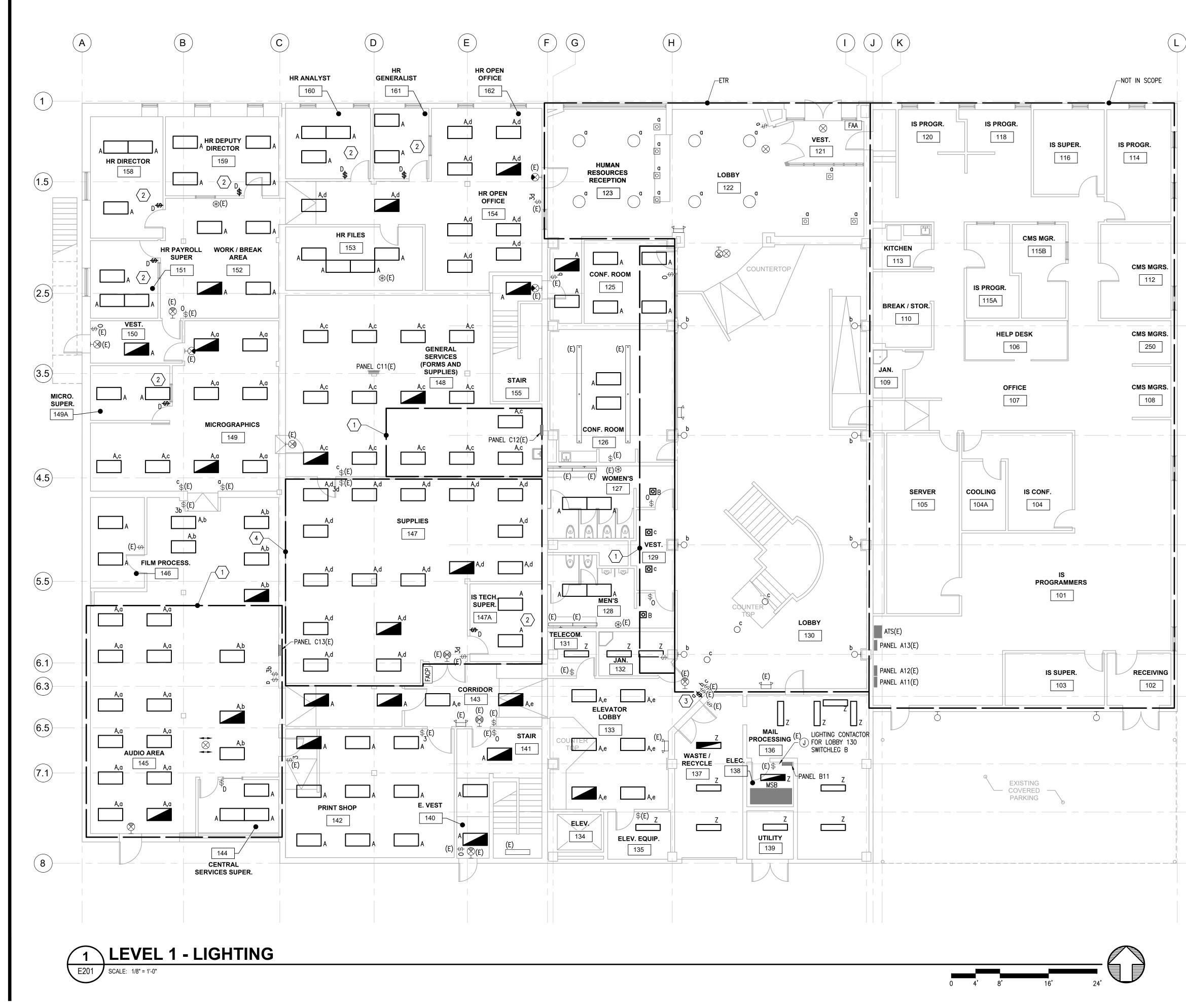
ALASKA COURT SYSTEM SNOWDEN ADMIN BUILDING MECHANICAL UPGRADES

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## NOTIFICATION OF POTENTIAL HAZARDS

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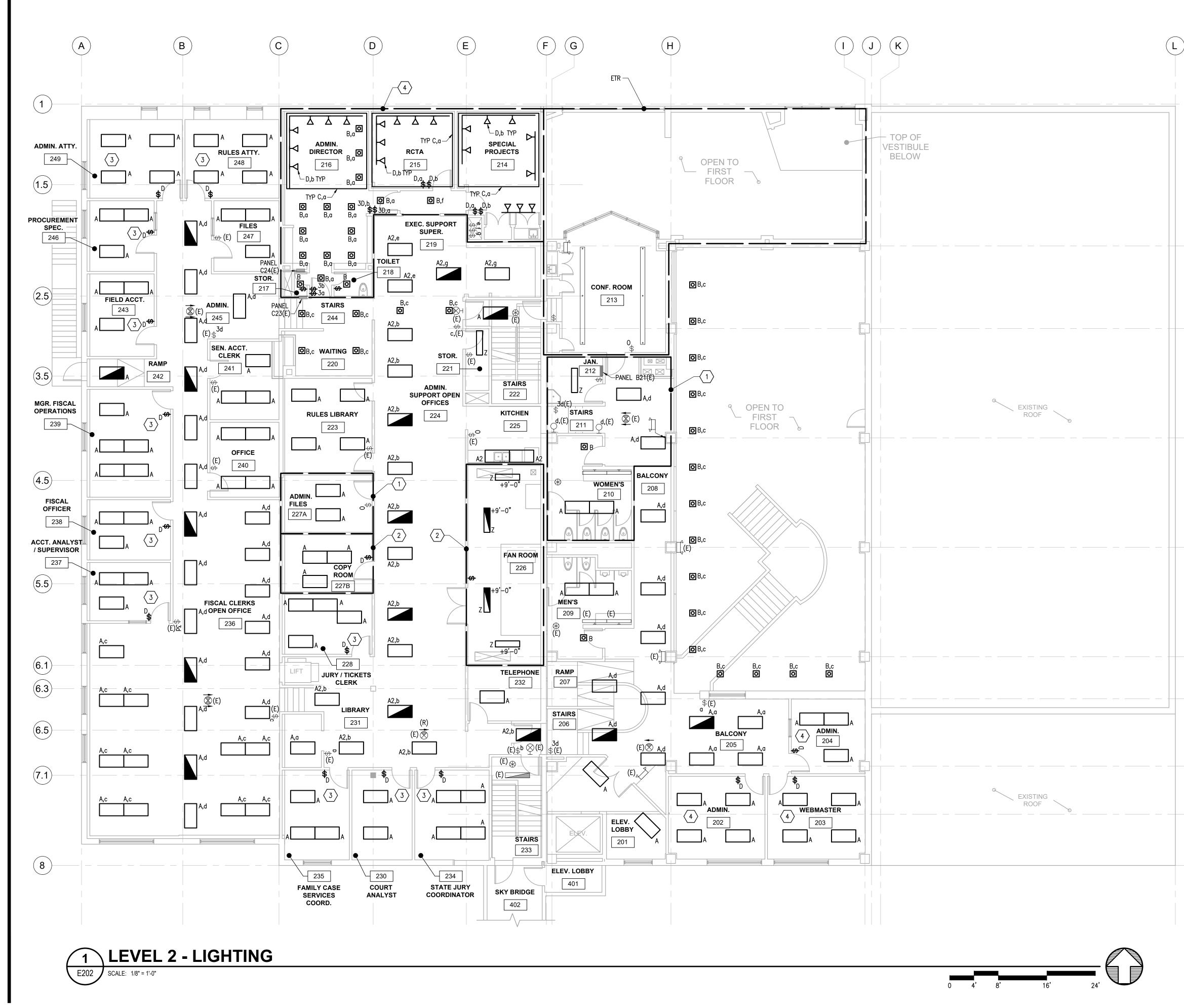
## SHEET NOTES

- BASE BID: CLEAN AND RE-INSTALL EXISTING FIXTURES RETAINED IAW SHEET E101. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED.
- ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- ALTERNATE #2: REPLACE EXISTING LIGHTING CONTROLS WITH DIMMING LIGHTING CONTROLS AT LOCATION INDICATED.
- 3PROVIDE LIGHTING CONTROL SWITCH AND CONNECT TO CONTACTOR"LTG-LOBBY" IN MECH 307. SEE SHEET E302 FOR LOCATION OF<br/>CONTACTOR.
- 4 BASE BID; PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 AND ARCHITECTURAL RCP DRAWINGS FOR ADDITIONAL INFORMATION.
- 5. UON LIGHTING INDICATED ON THIS SHEET SHALL BE ALTERNATE #2 ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 AND ARCHITECTURAL RCP DRAWINGS FOR ADDITIONAL INFORMATION.



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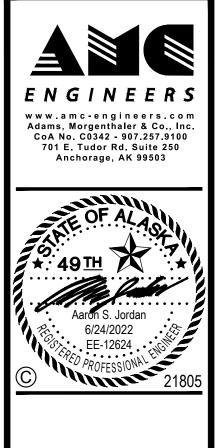
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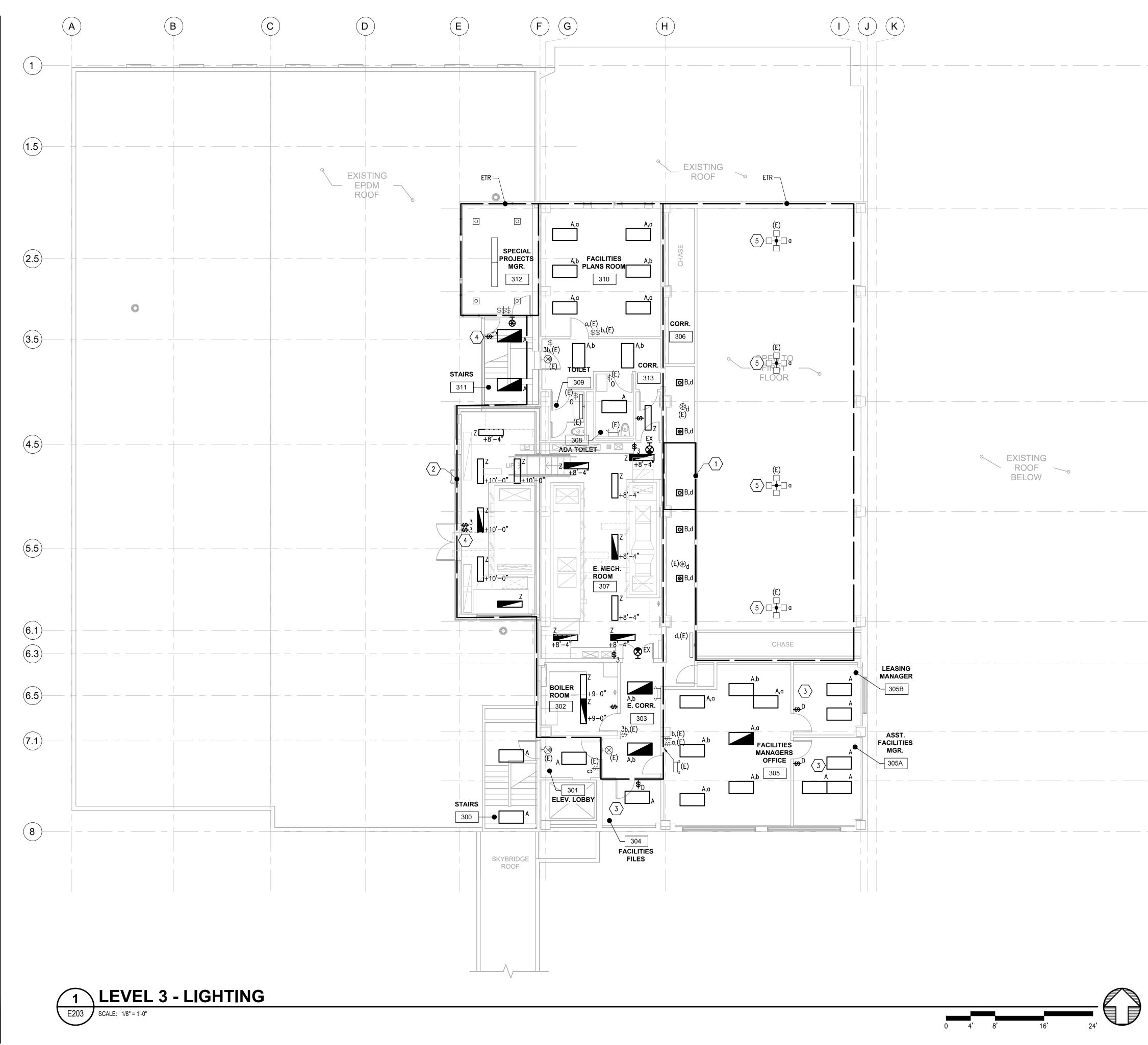
## SHEET NOTES

- BASE BID: CLEAN AND RE-INSTALL EXISTING FIXTURES RETAINED IAW SHEET E102. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED.
  - ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- BASE BID: PROVIDE NEW LIGHTING AND LIGHTING CONTROL SWITCH AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- 3 ALTERNATE #2: REPLACE EXISTING LIGHTING CONTROLS WITH DIMMING LIGHTING CONTROLS AT LOCATION INDICATED.
- 4 BASE BID; PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 AND ARCHITECTURAL RCP DRAWINGS FOR ADDITIONAL INFORMATION.
- 5. UON LIGHTING INDICATED ON THIS SHEET SHALL BE ALTERNATE #2 ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 AND ARCHITECTURAL RCP DRAWINGS FOR ADDITIONAL INFORMATION.



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## SHEET NOTES

- $\langle 1 \rangle$ BASE BID: CLEAN AND RE-INSTALL EXISTING FIXTURES RETAINED IAW SHEET E103. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED.
  - ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- BASE BID: PROVIDE NEW LIGHTING AND LIGHTING CONTROLS AS INDICATED.  $\left(2\right)$ INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- 3 ALTERNATE #2: REPLACE EXISTING LIGHTING CONTROLS WITH DIMMING LIGHTING CONTROLS AT LOCATION INDICATED.
- BASE BID: PROVIDE 3-WAY SWITCH FOR CONTROL OF EXTERIOR WALL  $\langle 4 \rangle$ MOUNTED ROOF LIGHTS. REFER TO SHEETS E104 AND E303 FOR ADDITIONAL INFORMATION.
- BASE BID: CONNECT EXISTING CLUSTER LIGHTS TO CONTACTOR "LTG-LOBBY" IN MECH 307. SEE SHEET E302 FOR LOCATION OF  $\langle 5 \rangle$ CONTACTOR.
- 6. UON LIGHTING INDICATED ON THIS SHEET SHALL BE ALTERNATE #2 ALTERNATE #2: PROVIDE NEW LIGHTING AS INDICATED. INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUITS AS REQUIRED. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 AND ARCHITECTURAL RCP DRAWINGS FOR ADDITIONAL INFORMATION.

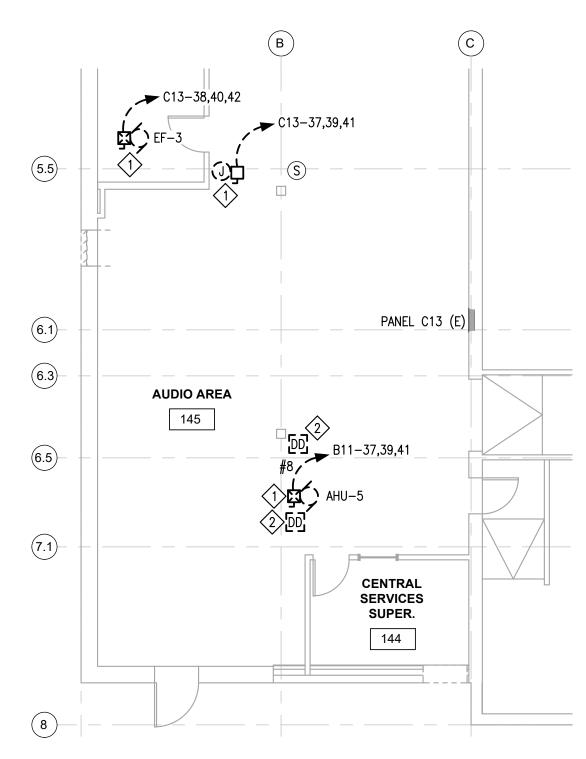


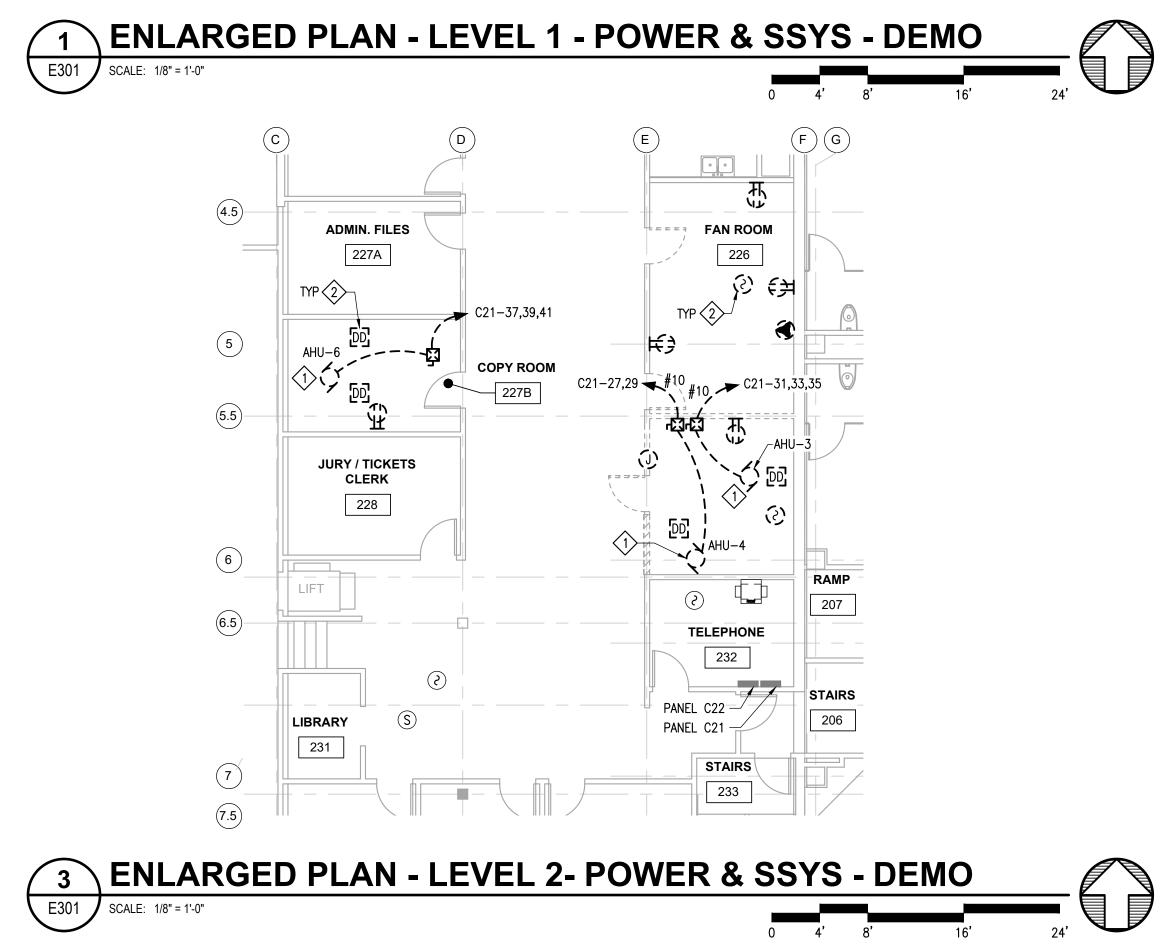
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# **DEMOLITION SHEET NOTES**

- DEMOLISH CONNECTIONS TO MECHANICAL EQUIPMENT AS INDICATED. DEMOLISH EXISTING CONDUITS AND CONDUCTORS BACK TO SOURCE PANEL  $\langle 1 \rangle$ AND MAKE SPARE.
- DEMOLISH EXISTING FIRE ALARM SYSTEM INITIATING DEVICES AND ASSOCIATED CONDUIT AND CABLING. PROVIDE REQUIRED PROGRAMMING TO REMOVE FROM SYSTEM.





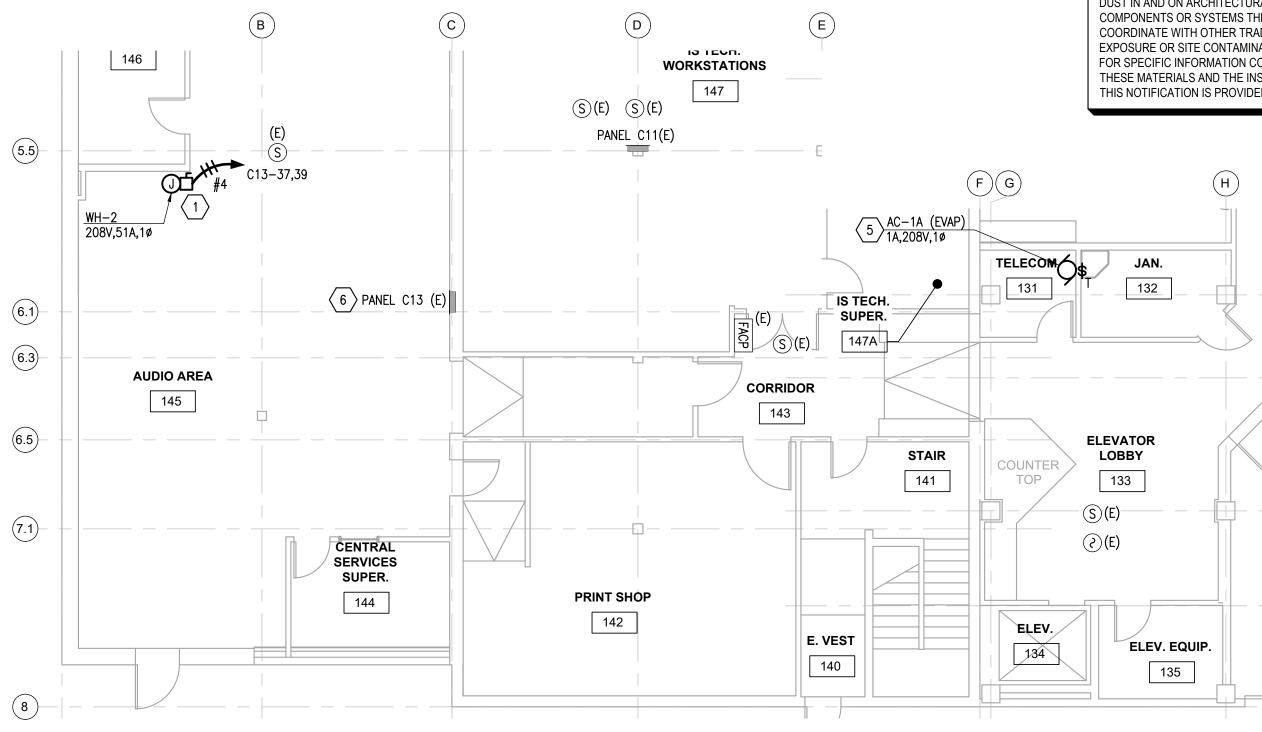
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# SHEET NOTES

- PROVIDE CONNECTION TO MECHANICAL EQUIPMENT AS INDICATED. REFER TO
- MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE DUCT DETECTOR IN RETURN DUCT OF AIR HANDLING UNIT. REFER TO OVERALL PLAN LEVEL 1 ON SHEET E010 FOR LOCATION OF EXISTING FACP.  $\langle 2 \rangle$
- $\langle 3 \rangle$  PROVIDE RECEPTACLE AT LOCATION INDICATED, CIRCUIT AS NOTED.

INTERCEPT EXISTING SLC CIRCUIT, EXTEND, AND CONNECT.

- PROVIDE TELECOM OUTLET AT LOCATION INDICATED. ROUTE CABLING TO LEVEL 2 TELECOM ROOM AND TERMINATE ON EXISTING PATCH PANEL.
- PROVIDE SINGLE POINT CONNECTION TO SPLIT AC SYSTEM AT CONDENSOR. PROVIDE  $\langle 5 \rangle$
- CONNECTION FROM CONDENSOR TO EVAPORATOR LOCATED IN LEVEL 1 TELECOM ROOM 6 LOCATION OF EXISTING BRANCH CIRCUIL PAN SHEET E002 FOR ADDITIONAL INFORMATION. LOCATION OF EXISTING BRANCH CIRCUIT PANEL. REFER TO PANEL SCHEDULE ON

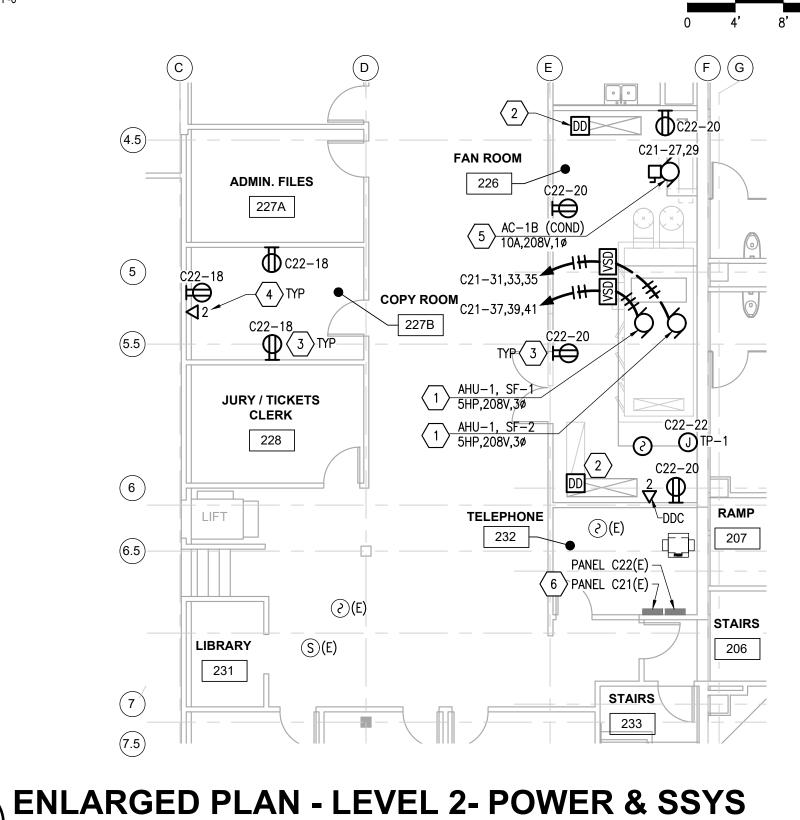


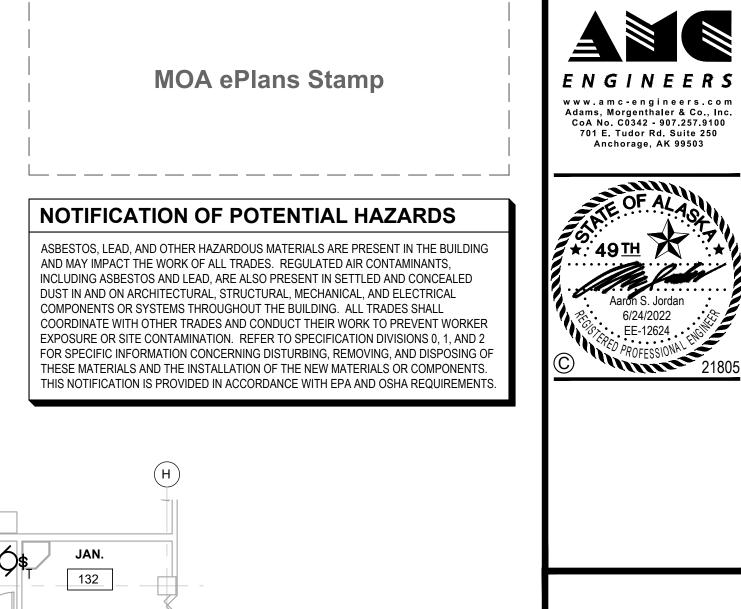
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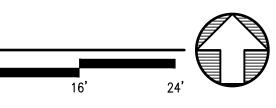
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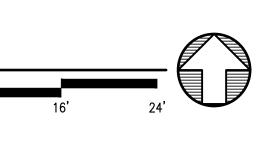
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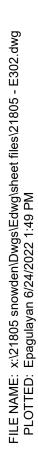


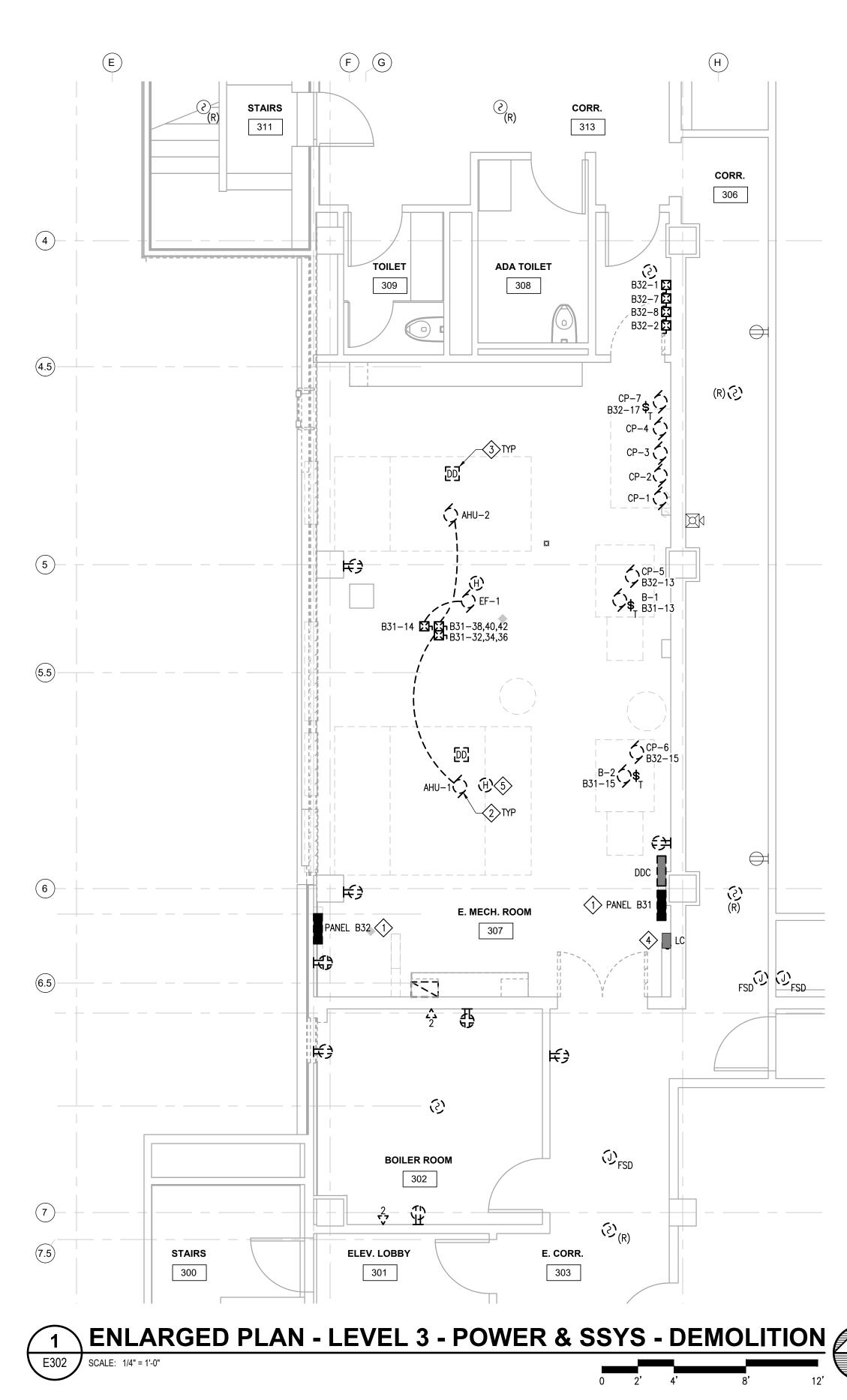


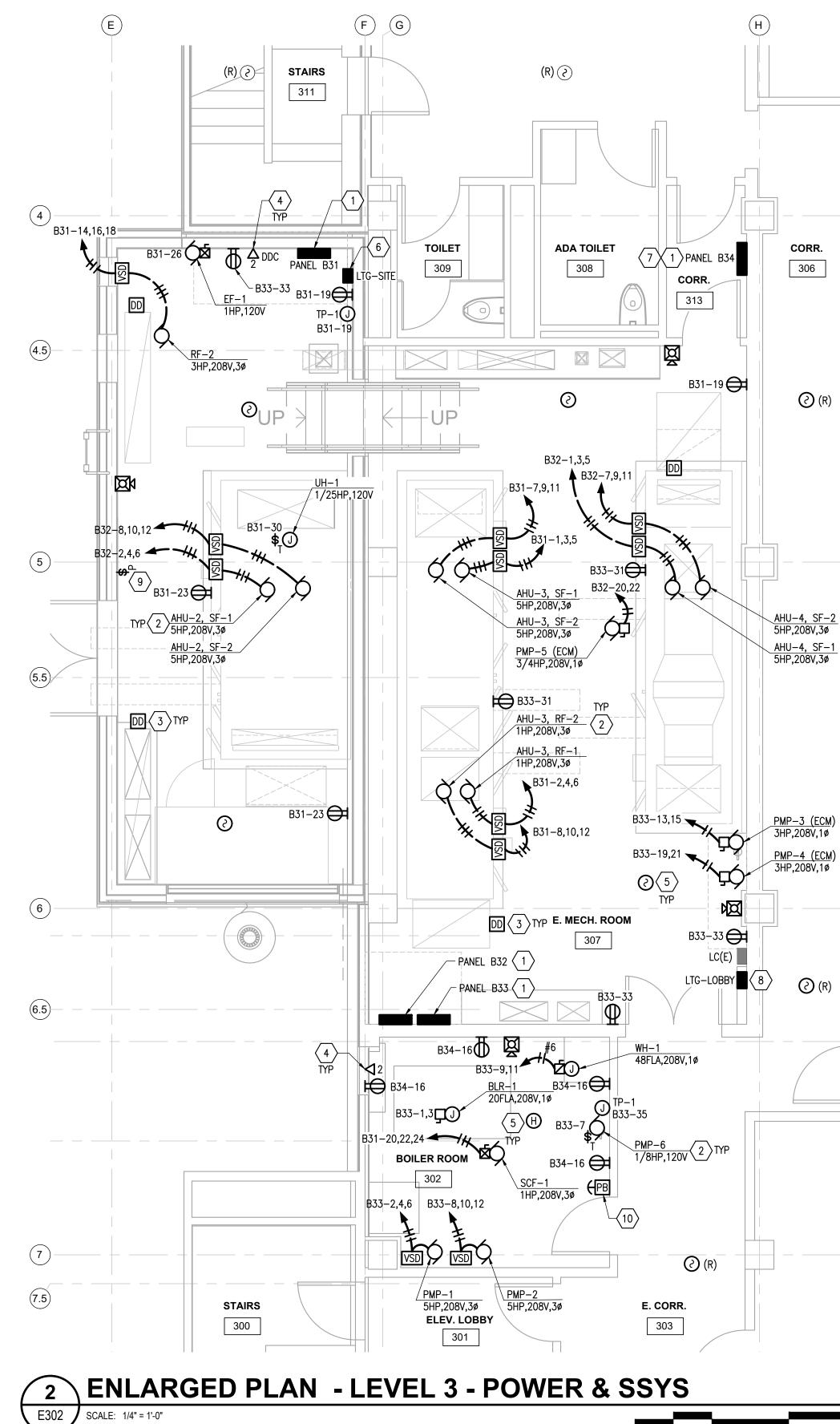


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## **DEMOLITION NOTES**

- DEMOLISH EXISTING BRANCH CIRCUIT PANELS. RELOCATE LIGHTING AND RECEPTACLE CIRCUITS NOT ASSOCIATED WITH NEW BOILER AND FAN ROOM EQUIPMENT TO NEW PANEL "B34" PROVIDED IAW SHEET NOTE 1
- DEMOLISH CONNECTIONS TO EXISTING MECHANICAL EQUIPMENT AS  $\langle 2 \rangle$ INDICATED. DEMOLISH EXISTING CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL AND MAKE SPARE.
- DEMOLISH EXISTING DUCT DETECTORS AND ASSOCIATED CONDUIT AND CABLING BACK TO FIRE ALARM CONTROL PANEL. PROVIDE REQUIRED  $\langle 3 \rangle$ PROGRAMING TO REMOVE FROM SYSTEM.
- RETAIN EXISTING LIGHTING CONTROL CONTACTOR. RE-CIRCUIT LIGHTING TO  $\langle 4 \rangle$ NEW PANEL "B34" PROVIDED IAW SHEET NOTE 1.
- DEMOLISH EXISTING FIRE ALARM INITIATING DEVICE. RETAIN EXISTING SLC  $\langle 5 \rangle$ CIRCUIT FOR RECONNECT TO NEW DEVICES PROVIDED IAW DETAIL 2 OF THIS SHEET.

## SHEET NOTES

- PROVIDE CIRCUIT PANELS AT LOCATION INDICATED. REFER TO POWER ONE-LINE DIAGRAM ON SHEET E401 FOR ADDITIONAL INFORMATION.
- PROVIDE CONNECTIONS TO MECHANICAL EQUIPMENT AS INDICATED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.  $\langle 2 \rangle$
- PROVIDE DUCT DETECTOR IN RETURN DUCT OF AIR HANDLING UNIT (AHU) PROVIDE EQUIPMENT, PROGRAMMING AND CONNECTIONS TO FIRE ALARM PANEL AND AHU SUCH THAT FIRE ALARM SYSTEM SHUTS DOWN AHU ON ALARM. REFER TO OVERALL PLAN LEVEL 1 FOR LOCATION OF FIRE ALARM CONTROL PANEL.
- PROVIDE TELECOM OUTLET AT LOCATION INDICATED. ROUTE CABLING TO LEVEL 2 TELECOM ROOM AND TERMINATE ON EXISTING PATCH PANEL.
- PROVIDE FIRE ALARM SYSTEM INITIATING DEVICE. INTERCEPT EXISTING SLC 5 CIRCUIT, EXTEND, AND RECONNECT.
- PROVIDE CONTACTOR FOR CONTROL OF EXTERIOR LIGHTING. REFER TO SITE LIGHTING PLAN ON SHEET E200 AND ROOF PLAN ON SHEET E303 FOR ADDITIONAL INFORMATION.
- INTERCEPT, EXTEND AND RECONNECT EXISTING TO REMAIN CIRCUITS, LOCATED OUTSIDE OF THE NEW BOILER AND FAN ROOM, FROM EXISTING PANELS B31 AND B32 TO THIS PANEL.
- PROVIDE SQUARE 'D' ELECTRICALLY HELD CONTACTOR, 8 POLE, 20AMP,  $\langle 8 \rangle$ 208V WITH HAND-OFF AUTO, H.O.A. SWITCH, ON/OFF PILOT LIGHTS. LOCATE CONTACTOR IN LEVEL 3 FAN ROOM. PROVIDE ENGRAVED NAMEPLATE ON CONTACTOR "LTG-LOBBY". RELOCATE "CLUSTER" CIRCUITS FROM EXISTING "LC" CONTACTOR TO NEW CONTACTOR. RECIRCUIT CLUSTER LIGHTS TO PANEL B34
- PROVIDE PILOT LIGHTED SWITCH FOR CONTROL OF HEAT TRACE. REFER TO ROOF PLAN ON SHEET E303 FOR ADDITIONAL INFORMATION.
- PROVIDE 2 POSITION, PUSH-PULL, LED ILLUMINATED, RED KNOB WITH "PUSH EMERGENCY STOP" PRINTED ON KNOB, MUSHROOM TYPE BUTTON. SQUARE D MODEL #9001KR9P1LRR05H2, FOR REMOTE SHUTDOWN OF AUTOMATICALLY FIRED BOILER IN ACCORDANCE WITH ASME CSD-1-2009. PROVIDE FLIP UP POLYCARBONATE COVER SUCH THAT LIFTING UP ON THE COVER WILL GAIN ACCESS TO EMERGENCY SHUT DOWN BUTTON. PROVIDE LABEL TO READ: "BOILER EMERGENCY SHUTDOWN BUTTON". CONNECT EMERGENCY SHUTDOWN SWITCH TO BOILER STARTER.

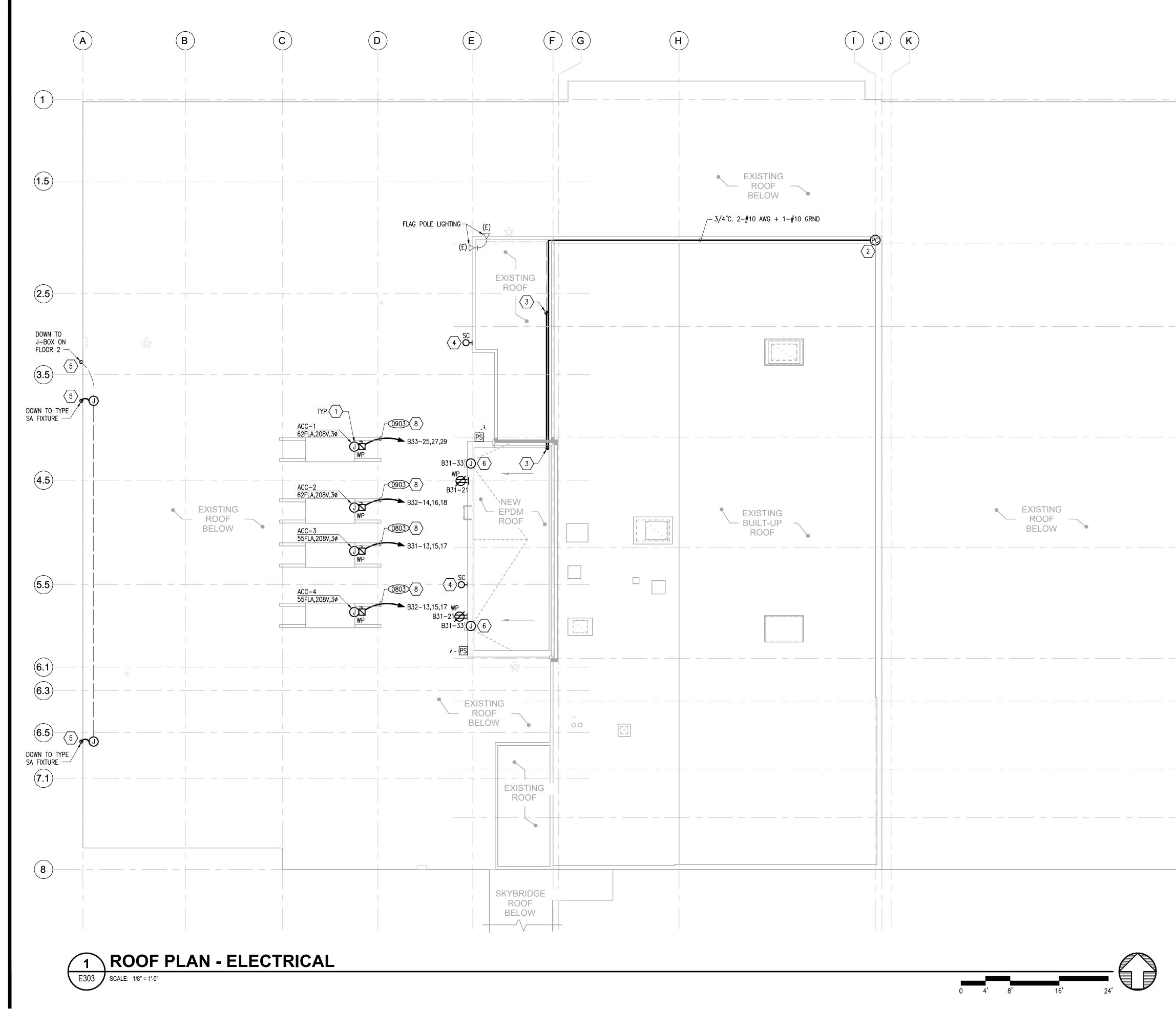


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# MOA ePlans Stamp

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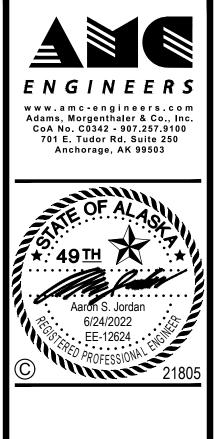
#### NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

## SHEET NOTES

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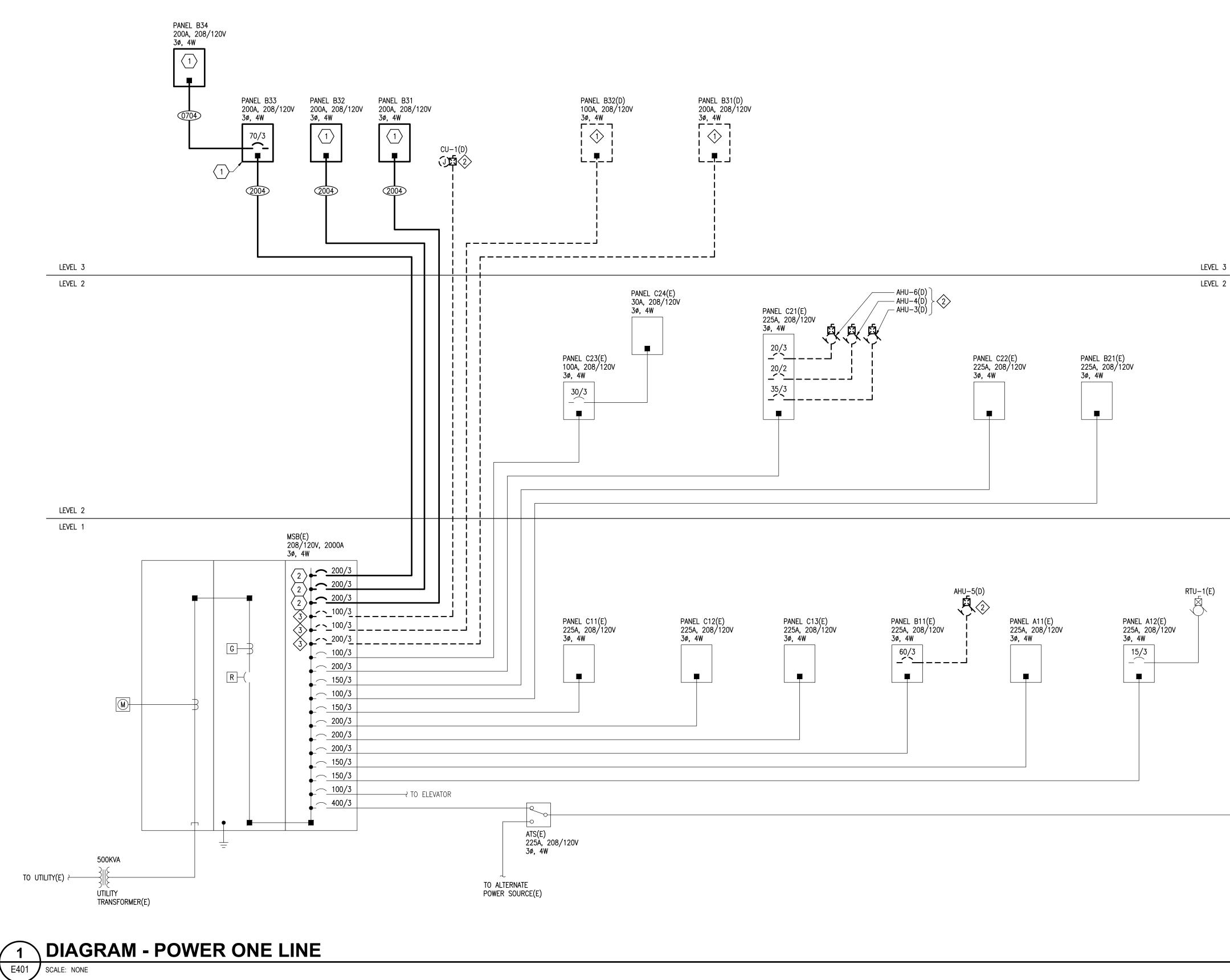
- PROVIDE CONNECTION TO MECHANICAL EQUIPMENT AS INDICATED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 PROVIDE PHOTOCELL AT NORTH EAST CORNER OF BUILDING. ROUTE CONDUIT AND CONDUCTORS TO LIGHTING CONTROL CONTACTOR "LTG-
- CONDUIT AND CONDUCTORS TO LIGHTING CONTROL CONTACTOR "LTG-SITE" IN LEVEL 3 FAN ROOM.
- 3 INTERCEPT EXISTING CONDUIT FOR EXISTING FLAG POLE LIGHTS. EXTEND CONDUIT TO LIGHTING CONTACTOR IN LEVEL 3 FAN ROOM. REFER TO SHEETS E200 AND E302 FOR ADDITIONAL INFORMATION.
- 4 PROVIDE EXTERIOR BUILDING MOUNTED LIGHTS AT LOCATION INDICATED. CONNECT LIGHTS TO LIGHT SWITCHES PROVIDED IAW SHEET E203. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E002 FOR ADDITIONAL INFORMATION.
- $\fbox{5} \qquad \text{REFER TO SHEET E200 FOR ADDITIONAL INFORMATION.}$
- 6 PROVIDE RAYCHEM MODEL GM-1XT HEATING CABLING IN QUANTITIES AS INDICATED ON THE ARCHITECTURAL DRAWINGS. CONNECT HEAT TRACE TO CIRCUIT INDICATED VIA PILOT LIGHT SWITCH PROVIDED IAW SHEET E302.
- 7. REFER TO SHEET E302 FOR BRANCH CIRCUIT PANEL LOCATIONS SERVING MECHANICAL EQUIPMENT. REFER TO SHEET E003 FOR ASSOCIATED PANEL SCHEDULES.
- 8 REFER TO ONE-LINE FEEDER SCHEDULE ON E401 FOR CORRESPONDING FEEDER TAG INFORMATION.



ALASKA COURT SYSTEM SNOWDEN ADMIN BUILDING MECHANICAL UPGRADES

Rev	isions		
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Che	cked by:	KAC	
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Sheet Title ROOF PLAN - ELECTRICAL			
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# **MOA ePlans Stamp**

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### NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1, AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF THE NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

# **DEMOLITION SHEET NOTES**

- DEMOLISH PANEL AND ASSOCIATED CONDUCTORS BACK TO MAIN SWITCHBOARD, CONDULT MAY BE DELISED AS SELECTIONS SWITCHBOARD. CONDUIT MAY BE REUSED AS FEASIBLE.
- DEMOLISH ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.
- $\langle 3 \rangle$  demolish existing circuit breaker in main switchboard.

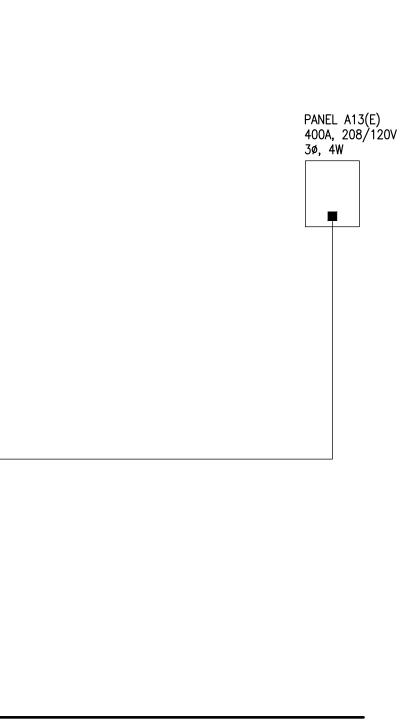
## SHEET NOTES

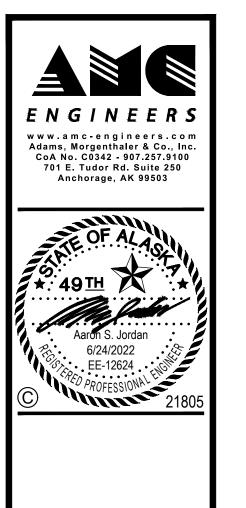
- PROVIDE NEW PANEL IN LEVEL 3 MECH ROOM. SEE SHEET E302 FOR  $\langle 1 \rangle$ EXACT LOCATION.
- 2 PROVIDE NEW CIRCUIT BREAKER IN EAISTING MICHT STATES PROVIDE NEW CIRCUIT BREAKER IN EXISTING MAIN SWITCHBOARD IN SPACE

# FEEDER SCHEDULE

0704	1-1/4" C., 4-#4 AWG + 1-#8 GROUND
(0803)	1-1/4" C., 3-#4 AWG + 1-#8 GROUND
0903	1-1/4" C., 3-#3 AWG + 1-#8 GROUND
2004	2"C., 4-#3/0 AWG + 1-#6 GROUND

LEVEL 2 LEVEL 1





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Project Phase PERMIT DRAWINGS

Sheet Title DIAGRAM - POWER ONE-LINE

Sheet Number E401

#### **GENERAL NOTES**

- THE HAZARDS ABATEMENT PORTION OF THIS PROJECT INCLUDES THE DISTURBANCE AND/OR REMOVAL AND DISPOSAL OF SELECTED ASBESTOS-CONTAINING MATERIALS, MERCURY-CONTAINING MATERIALS, LEAD-CONTAINING MATERIALS AND ITEMS CONTAINING RADIOACTIVE COMPOUNDS. THE PURPOSE OF THE HAZARDS ABATEMENT PORTION OF THE WORK IS TO REMOVE THESE MATERIALS FR THE SNOWDEN ADMINISTRATION BUILDING PRIOR TO RENOVATION OR DEMOLITION SO THAT PERSONNEL CAN SAFELY PERFORM THEIR WORK WITHOUT CREATING HAZARDS TO HEALTH OR THE ENVIRONMENT.
- THE WORK DOES NOT INCLUDE REMOVAL OF ALL HAZARDOUS MATERIALS IN THE BUILDING. REMOVE HAZARDOUS MATERIALS COORDINATING WITH OTHER TRADES, AS SPECIFIED AND/OR INDICATED ON 2. THE DRAWINGS, OUTLINED IN THE SPECIFICATIONS, AND AS REQUIRED TO COMPLETE THE WORK. "REMOVAL" INCLUDES PROPER HANDLING, PACKAGING AND DISPOSAL OF MATERIALS REMOVED.
- POTENTIALLY HAZARDOUS MATERIALS SUCH AS MERCURY-CONTAINING LAMPS AND THERMOSTATS, SMOKE DETECTORS CONTAINING RADIOACTIVE COMPONENTS, METALLIC LEAD ITEMS, REFRIGERANTS AND HEATING SYSTEM FLUIDS AFFECTED BY THE PROJECT ARE TO BE REMOVED AND DISPOSED OF PROPERLY. REFER TO SPECIFICATIONS AND THE CONTRACTOR'S APPROVED WORK PLAN FOR HAZARDOUS MATERIALS REMOVAL, DISTURBANCE, CLEARANCE, AND DISPOSAL PROCEDURES.
- LEAD-BASED PAINTS (PAINT CONTAINING EQUAL TO OR GREATER THAN 1.0 mg/cm<sup>2</sup>) WERE IDENTIFIED DURING THE LIMITED LEAD TESTING SHOWN IN THE HAZMAT SURVEY, AND LEAD-BASED PAINTS MAY B PRESENT AT OTHER LOCATIONS. LOW LEVELS OF LEAD FOUND BY XRF TESTING DOES NOT MEAN THE PAINTS ARE FREE OF LEAD, THE PAINTS MAY CONTAIN MEASURABLE AMOUNTS OF LEAD. LEAD-CONTAINING MATERIALS INCLUDE ALL PAINTED SURFACES, CERAMIC TILES, AND METALLIC LEAD, AS WELL AS LEAD-CONTAINING DUSTS. THIS IS NOT A LEAD ABATEMENT PROJECT, AND ALL TRADES WILL LIKELY DISTURB SOME LEAD-CONTAINING MATERIALS. CONTROL WORKER EXPOSURES USING LEAD-SAFE WORK PRACTICES AND CHOICE OF MEANS AND METHODS OF CONDUCTING THE WORK TO COMPLY WITH 29 CFR 1926.62 AND TO AVOID CONTAMINATION OF THE WORK AREA AND SITE.
- PERFORM INITIAL AIR MONITORING TESTS ON ALL TASKS THAT DISTURB ASBESTOS OR LEAD-CONTAINING MATERIALS, DUST OR PAINT TO DETERMINE THE APPROPRIATE WORKER AND SITE PROTECTION PROCEDURES REQUIRED. METALLIC LEAD IS ASSUMED PRESENT IN BELL AND SPIGOT PIPE JOINTS AND IN SOLDER ON COPPER PIPES.
- SETTLED AND CONCEALED DUST ON ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL COMPONENTS THROUGHOUT THE PROJECT AREA(S) CONTAINS REGULATED AIR CONTAMINANTS INCLUDING ASBESTOS AND LEAD. WORK OF ALL TRADES MAY INCLUDE DISTURBANCE OF ASBESTOS AND LEAD AND MAY RESULT IN WORKER EXPOSURE TO ASBESTOS AND LEAD ABOVE THE OSHA ACTION LEVEL OR PERMISSIBLE EXPOSURE LIMITS FOR ASBESTOS OR LEAD IF PROPER WORK PRACTICES AND/OR ENGINEERING CONTROLS ARE NOT USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE APPROPRIATE WORKER AND SITE PROTECTION PROCEDURES SO THAT THEIR WORKERS ARE NOT EXPOSED ABOVE THOSE LIMITS AND THAT WORK IS PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. THE PRESENCE OF ASBESTOS OR LEAD IN DUSTS DOES NOT NECESSARILY MAKE THEM A HAZARD TO WORKERS OR A HAZARDOUS WASTE.
- THE CONTRACTOR'S INDEPENDENT LABORATORY SHALL PROVIDE ALL INSPECTIONS, MONITORING, SAMPLING, ANALYSES AND REPORTING SERVICES AS SPECIFIED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SAMPLING AND CLEARANCE REQUIREMENTS.
- LOCATIONS OF MATERIALS SHOWN ON THESE DRAWINGS ARE SCHEMATIC AND APPROXIMATE. FIELD VERIFY AND COORDINATE CONSTRUCTION DETAILS, DIMENSIONS, WORK CONDITIONS, AND LOCATIONS 8. WHICH WILL AFFECT THE REMOVAL OR DISTURBANCE OF HAZARDOUS MATERIALS. HAZARDOUS MATERIALS MAY HAVE COME LOOSE AND FALLEN ONTO FLOORS, CEILINGS, CHASES, OR WALL CAVITIES. THE QUANTITIES SHOWN IN THE SHEET SUMMARY ARE APPROXIMATE AND MAY VARY DEPENDING ON THE CONTRACTOR'S MEANS AND METHODS. REQUIRE ALL TRADES TO COORDINATE WITH EACH OTHER AND TO CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION, SEE DRAWINGS OF ALL DISCIPLINES FOR ADDITIONAL INFORMATION RELATING TO HAZARDOUS MATERIALS. IMMEDIATELY COMMUNICATE ALL DISCREPANCIES IN QUANTITIES TO THE OWNER. REFER TO HAZARDOUS MATERIALS ASSESSMENT FOR MORE INFORMATION ABOUT POTENTIALLY HAZARDOUS MATERIALS THAT ARE NOT SCHEDULED FOR DISTURBANCE BY THIS PROJECT. FURNISH ALL WORK AND MATERIALS REQUIRED FOR A FINISHED PROJECT AS DESCRIBED IN THE CONTRACT DOCUMENTS. QUANTITIES LISTED WITH A \* MAY VARY DEPENDING ON THE CONTRACTOR'S MEANS AND METHODS. CONTRACTOR'S MEANS AND METHODS RESULTING IN ADDITIONAL MATERIALS REMOVAL SHALL NOT RESULT IN ADDED CONTRACT COSTS TO THE OWNER.
- PROVIDE ALL WASTE TESTING, PACKAGING, HANDLING, TRANSPORTATION AND DISPOSAL. ALL COSTS FOR DISPOSAL SHALL BE BORNE BY THE CONTRACTOR. PERFORM TOXICITY CHARACTERISTIC 9. LEACHING PROCEDURE (TCLP) TEST(S) OF WASTE(S) CONTAINING LEAD OR PAINTED WITH LEAD-CONTAINING PAINT TO CHARACTERIZE THE WASTE(S) AS HAZARDOUS OR NON-HAZARDOUS PRIOR TO DISPOSAL. PERFORM TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TEST(S) OF HEAT TRANSFER FLUIDS (GLYCOL OR WATER) IN HEATING SYSTEM TO CHARACTERIZE THE WASTE(S) AS HAZARDOUS OR NON-HAZARDOUS PRIOR TO DISPOSAL. COORDINATE REQUIREMENTS OF LANDFILL(S) REGARDING MATERIALS PACKAGING, HANDLING, AND DISPOSAL REQUIREMENTS PRIOR TO SUBMITTING

## ESTIMATED QUANTITIES TO BE REMOVED (BASE BID)

INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED TO COMPLETE THE WORK, BUT OTHERWISE ARE TO REMAIN, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS.

- 500\* SQUARE FEET OF GYPSUM WALLBOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND.
- 2,540 SQUARE FEET OF GYPSUM WALLBOARD AT CEILINGS WITH ASBESTOS CONTAINING JOINT COMPOUND.
- 200\* SQUARE FEET ALLOWANCE OF GYPSUM WALLBOARD AT CEILINGS AND WALLS WITH ASBESTOS-CONTAINING JOINT COMPOUND TO BE DISTURBED AS NECESSARY AS COORDINATED. BUT OTHERWISE TO REMAIN.
- 6 EACH AIR HANDLING UNITS WITH ASBESTOS-CONTAINING SEALANTS, DISMANTLE AS NECESSARY.
- 60 LINEAR FEET OF ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTORS.
- 2 EACH BOILERS WITH ASSUMED ASBESTOS-CONTAINING GASKETS AND SEALANTS
- 1 LOT ASBESTOS-CONTAINING GASKETS AND VALVE PACKINGS ON PIPING
- 1 LOT HEAT TRANSFER FLUIDS, AS NECESSARY.

13,500\* SQUARE FEET, PLANAR AREA OF CEILING TILES AND GYPSUM WALL BOARD CEILINGS WITH DEBRIS FROM BUILT-UP ROOFING

1,650\* SQUARE FEET OF ROOF DECKING TO BE CLEANED OF DEBRIS FROM BUILT-UP ROOFING

- 15 EACH ROOF MOUNTED EQUIPMENT, ETC. WITH ASBESTOS-CONTAINING ROOF PATCHING COMPOUNDS
- 385 SQUARE FEET OF FLOORING WITH ASSUMED ASBESTOS-CONTAINING MASTICS.
- 1 LOT OTHER ASBESTOS-CONTAINING MATERIALS SUCH AS PIPE INSULATION, CEILING GRID MASTICS, ETC.
- 1 MERCURY-CONTAINING THERMOSTATS
- 175 MERCURY-CONTAINING FLUORESCENT BULBS FROM FIXTURES
- 40\* LINEAR FEET OF ASBESTOS-CONTAINING CEILING GRID MASTICS.

#### ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #1)

INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED TO COMPLETE THE WORK, BUT OTHERWISE ARE TO REMAIN, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS.

4,500\* SQUARE FEET, PLANAR AREA OF CEILING TILES AND GYPSUM WALL BOARD CEILINGS WITH DEBRIS FROM BUILT-UP ROOFING

#### ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #2)

INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED TO COMPLETE THE WORK, BUT OTHERWISE ARE TO REMAIN, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS.

995 MERCURY-CONTAINING FLUORESCENT BULBS FROM FIXTURES

## SHEET NOTES

ROM		RDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, G AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT.
		COORDINATE EXTENTS, AND REMOVE AND DISPOSE OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND IN THE 1946, 1950, 1956, AND 1968 ERAS AT WALLS, CEILINGS AND SOFFITS
		ETC. AS SHOWN AND AS COORDINATED FOR PENETRATIONS, ETC. LOCATIONS SHOWN "FADED" ARE GENERALLY TO REMAIN IN PLACE AND HAVE PENETRATIONS CREATED AS NECESSARY. LOCATIONS
		SHOWN "BOLD" REQUIRE REMOVAL.
3	2	REMOVE AND DISPOSE OF FLOORING WITH ASSUMED ASBESTOS-CONTAINING MASTICS.
	3	REMOVE AND DISPOSE OF AIR HANDLING UNITS IN MECHANICAL ROOMS WITH ASBESTOS-CONTAINING SEAM SEALANTS BETWEEN AHU SECTIONS AND ASBESTOS-CONTAINING FLEXIBLE DUCT
RE	Ţ	CONNECTORS.
· <b>-</b>	$\widehat{4}$	REMOVE AND DISPOSE OF ASBESTOS-CONTAINING CEILING GRID MASTIC ONLY AS NECESSARY TO COMPLETE THE WORK.

(5) REMOVE AND DISPOSE OF BOILERS WITH ASSUMED ASBESTOS-CONTAINING GASKETS AND SEALANTS.

(6) REMOVE AND DISPOSE OF ASSUMED ASBESTOS-CONTAINING FLANGE GASKETS AND VALVE PACKINGS ON PIPING SYSTEMS ONLY AS REQUIRED TO ACCOMMODATE THE WORK.

(7) REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS FROM AFFECTED HEATING SYSTEMS ONLY AS REQUIRED TO ACCOMMODATE THE WORK.

(8) REMOVE AND DISPOSE OF DEBRIS FROM FORMER ASBESTOS-CONTAINING BUILT-UP ROOF NOTED ON TOP OF CEILING SURFACE THROUGHOUT THE 1956 AND 1968 ERAS ONLY AS REQUIRED TO ACCOMMODATE THE WORK. THIS INCLUDES BOTH BASE BID AND ADDITIVE ALTERNATE #1.

(9) CREATE PENETRATIONS THROUGH NON-ASBESTOS ROOFING WITH DEBRIS FROM PREVIOUS ROOFING MATERIALS AT ROOF DECK, ETC.

(10) REMOVE ROOF MOUNTED COMPONENTS WITH ASSUMED REMNANTS OF ASBESTOS-CONTAINING ROOF "PATCHING" TARS AT EQUIPMENT PENETRATIONS, PRIOR REPAIR OR PATCHING LOCATIONS, MISCELLANEOUS FLASHING, SEISMIC JOINTS, ETC.

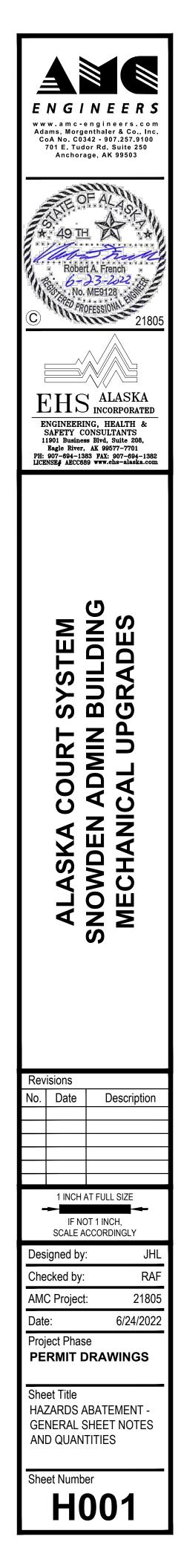
(11) REMOVE MERCURY CONTAINING FLUORESCENT LIGHT TUBE AND COMPACT FLUORESCENT BULBS AS COORDINATED WITH OTHER TRADES. THIS INCLUDES BOTH BASE BID AND ADDITIVE ALTERNATIVE #2. (12) REMOVE MERCURY-CONTAINING THERMOSTAT.

13 NOT ALL ASBESTOS-CONTAINING OR OTHER POTENTIALLY HAZARDOUS MATERIALS ARE SHOWN BY THESE DRAWINGS. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT AND AS-BUILTS FOR KNOWN OR ASSUMED ASBESTOS-CONTAINING OR OTHER POTENTIALLY HAZARDOUS MATERIALS AND THEIR LOCATIONS.

+ + + + + · + + + +		BE REMOVED AS COORDINATED WITH OTHER TRADES.
	'/////	DEBRIS FROM FORMER ASBESTOS-CONTAINING BUILT-UP ROOFING SYSTEMS.
		EQUIPMENT WITH ASBESTOS-CONTAINING SEALANTS, MASTICS, AN GASKETS TO BE REMOVED.
	#####	FLOORING WITH ASSUMED ASBESTOS-CONTAINING MASTICS TO BE REMOVED.
€		PIPING WITH ASBESTOS-CONTAINING INSULATION. MAY REPRESENT MULTIPLE PIPE RUNS.
		LOCATION OF VERTICAL GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND. COORDINATE REMOVAL VERSUS PENETRATIONS.
	~ ~ ~ ~	LOCATION OF HORIZONTAL GYPSUM WALL BOARD ABOVE SUSPEN CEILING, WITH ASBESTOS-CONTAINING JOINT COMPOUND. COORDINATE REMOVAL VERSUS PENETRATIONS.
		ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTOR
CG —		ASBESTOS-CONTAINING GRID MASTIC
		MERCURY-CONTAINING THERMOSTAT

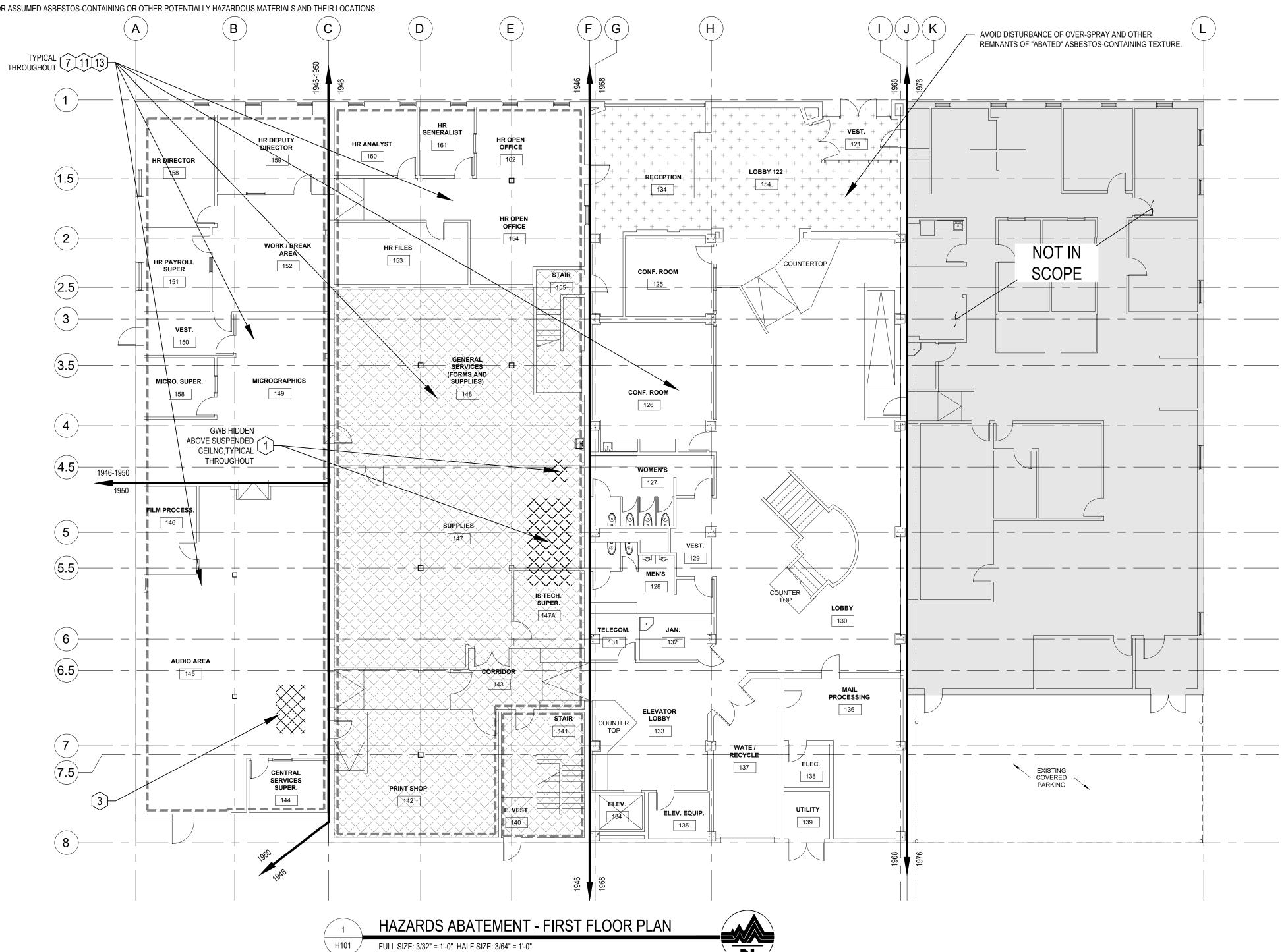
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HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT.

- (1) COORDINATE EXTENTS, AND REMOVE AND DISPOSE OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND IN THE 1946, 1950, 1956, AND 1968 ERAS AT WALLS, CEILINGS AND SOFFITS ETC. AS SHOWN AND AS COORDINATED FOR PENETRATIONS, ETC. LOCATIONS SHOWN "FADED" ARE GENERALLY TO REMAIN IN PLACE AND HAVE PENETRATIONS CREATED AS NECESSARY. LOCATIONS SHOWN "BOLD" REQUIRE REMOVAL.
- (2) REMOVE AND DISPOSE OF FLOORING WITH ASSUMED ASBESTOS-CONTAINING MASTICS.
- (3) REMOVE AND DISPOSE OF AIR HANDLING UNITS IN MECHANICAL ROOMS WITH ASBESTOS-CONTAINING SEAM SEALANTS BETWEEN AHU SECTIONS AND ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTORS.
- (4) REMOVE AND DISPOSE OF ASBESTOS-CONTAINING CEILING GRID MASTIC ONLY AS NECESSARY TO COMPLETE THE WORK.
- [5] REMOVE AND DISPOSE OF BOILERS WITH ASSUMED ASBESTOS-CONTAINING GASKETS AND SEALANTS.
- (6) REMOVE AND DISPOSE OF ASSUMED ASBESTOS-CONTAINING FLANGE GASKETS AND VALVE PACKINGS ON PIPING SYSTEMS ONLY AS REQUIRED TO ACCOMMODATE THE WORK.
- (7) REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS FROM AFFECTED HEATING SYSTEMS ONLY AS REQUIRED TO ACCOMMODATE THE WORK.
- (8) REMOVE AND DISPOSE OF DEBRIS FROM FORMER ASBESTOS-CONTAINING BUILT-UP ROOF NOTED ON TOP OF CEILING SURFACE THROUGHOUT THE 1956 AND 1968 ERAS ONLY AS REQUIRED TO ACCOMMODATE THE WORK. THIS INCLUDES BOTH BASE BID AND ADDITIVE ALTERNATE #1.
- (9) CREATE PENETRATIONS THROUGH NON-ASBESTOS ROOFING WITH DEBRIS FROM PREVIOUS ROOFING MATERIALS AT ROOF DECK, ETC.
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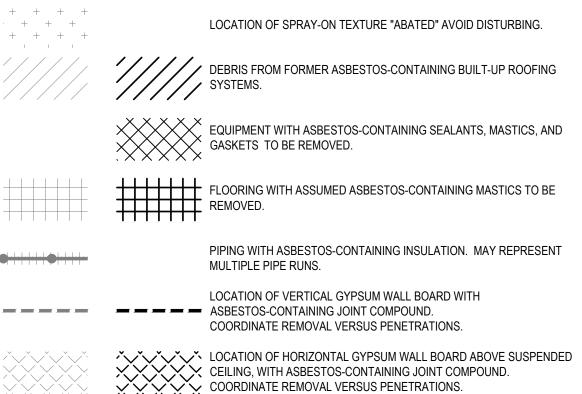
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— CG —

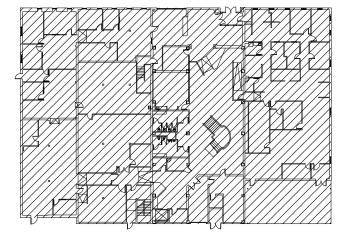
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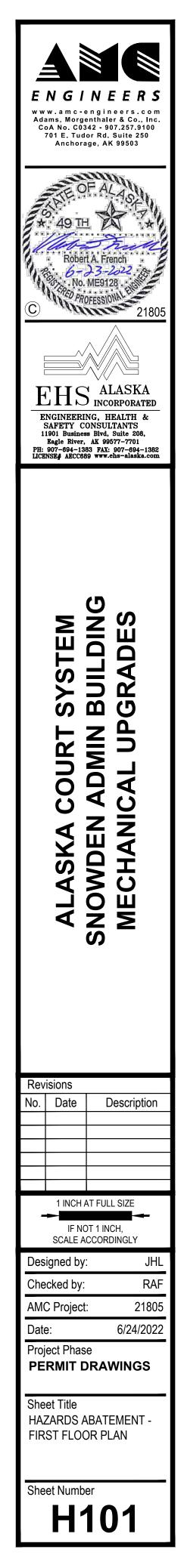


ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTOR ASBESTOS-CONTAINING GRID MASTIC

MERCURY-CONTAINING THERMOSTAT



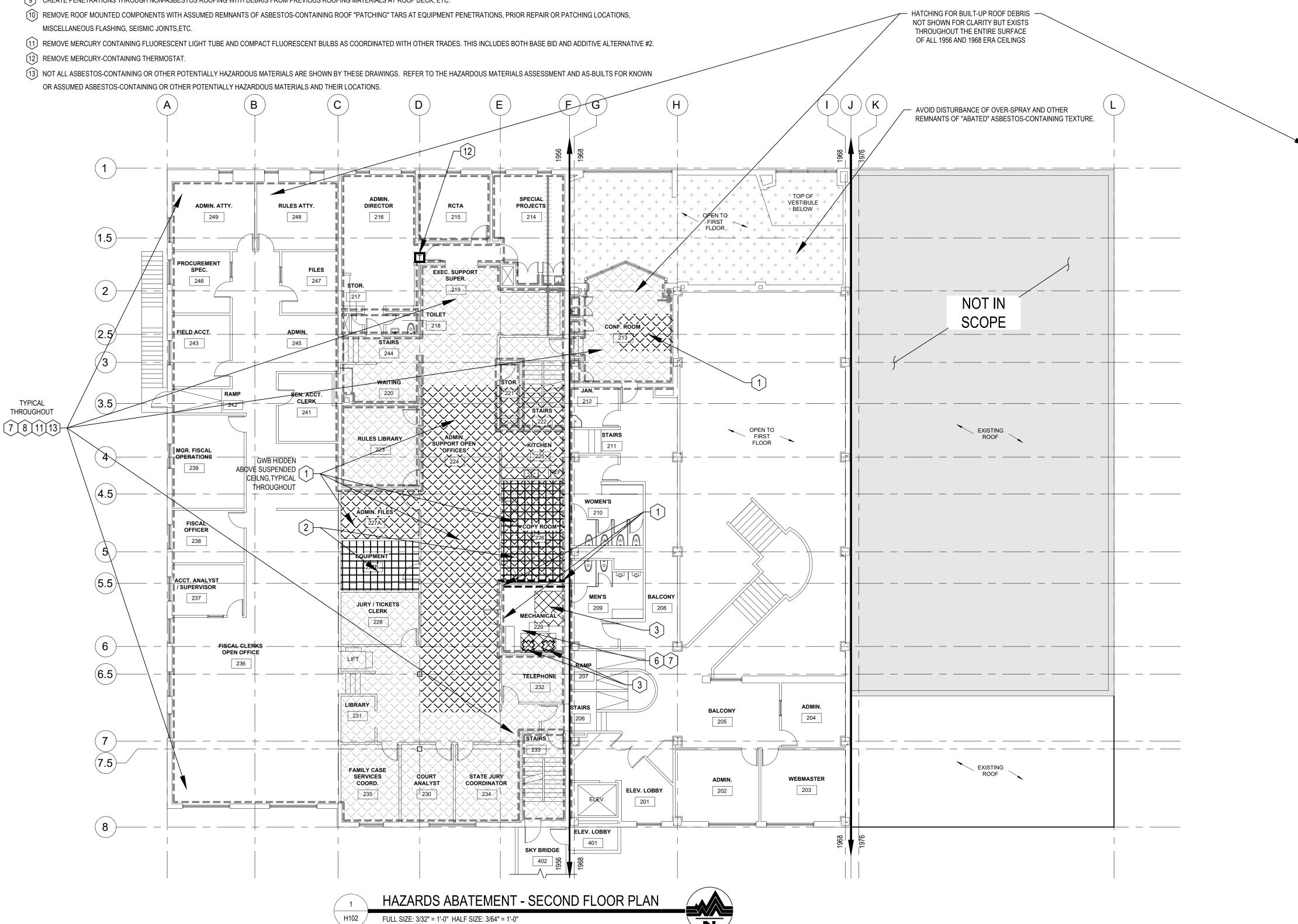




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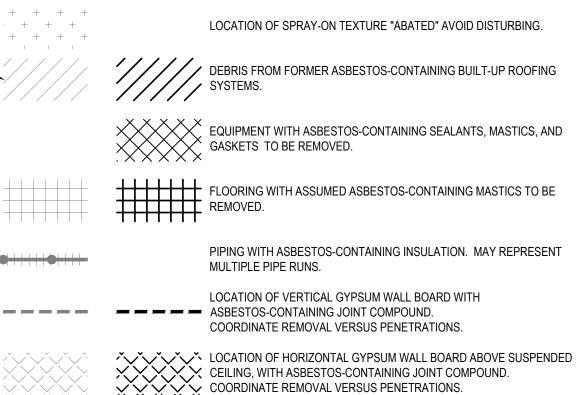
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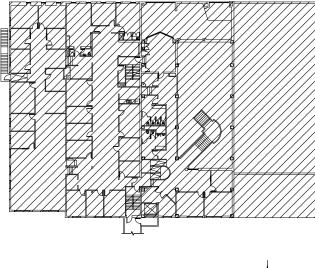
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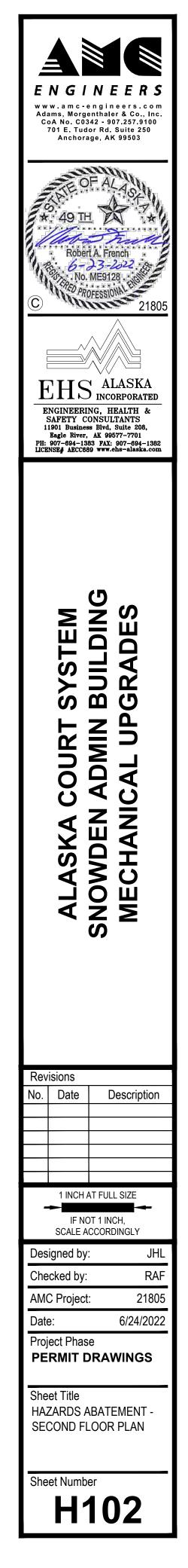
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ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTOR



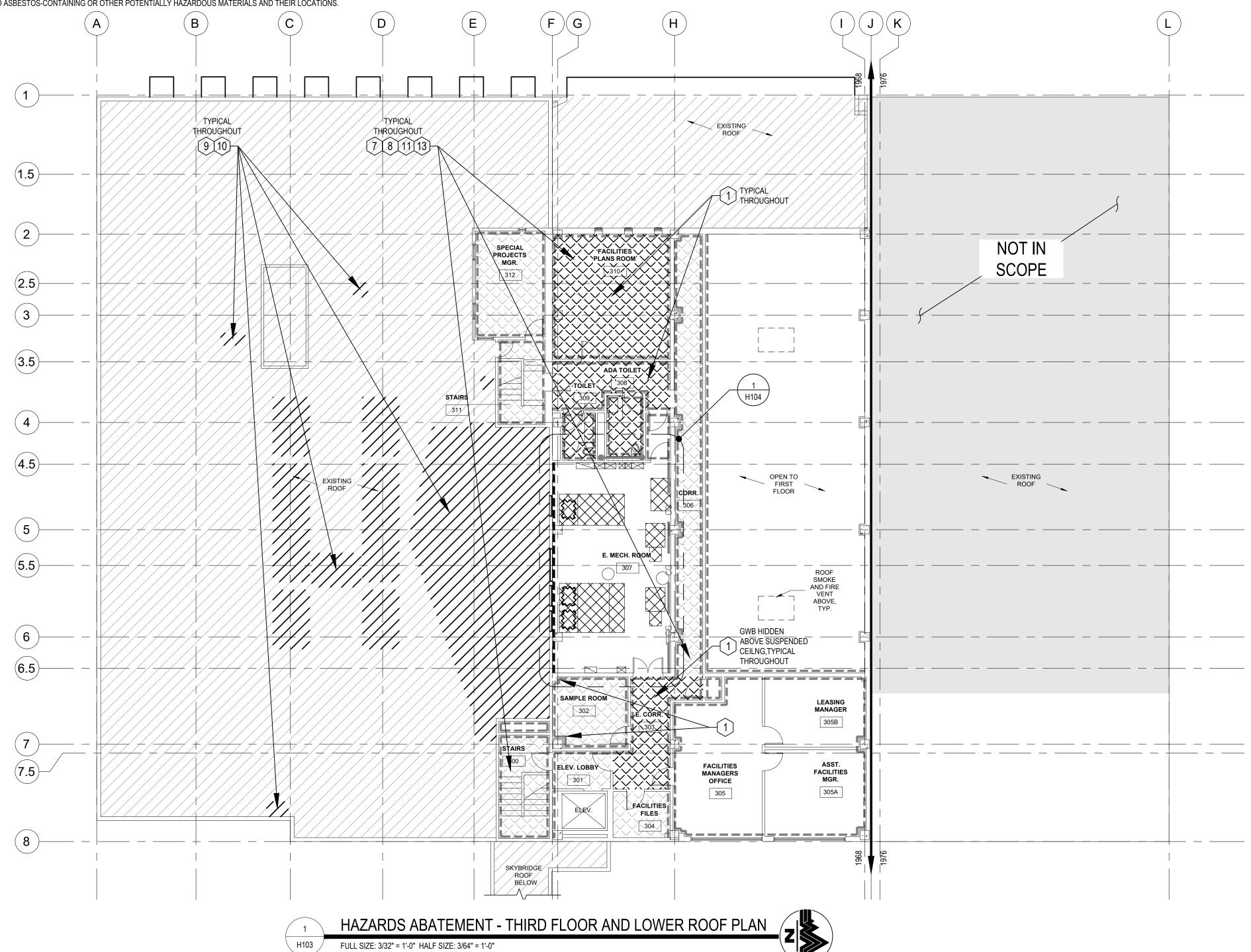




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H103



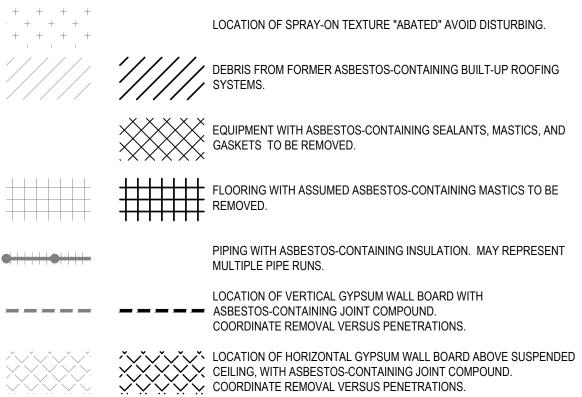
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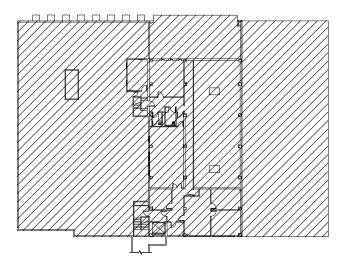
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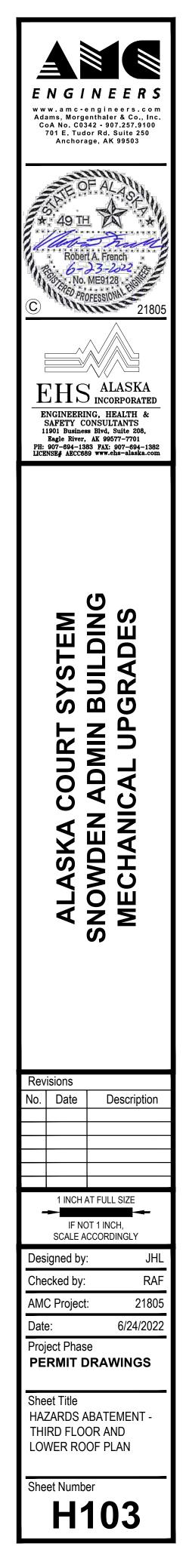


------ ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTOR

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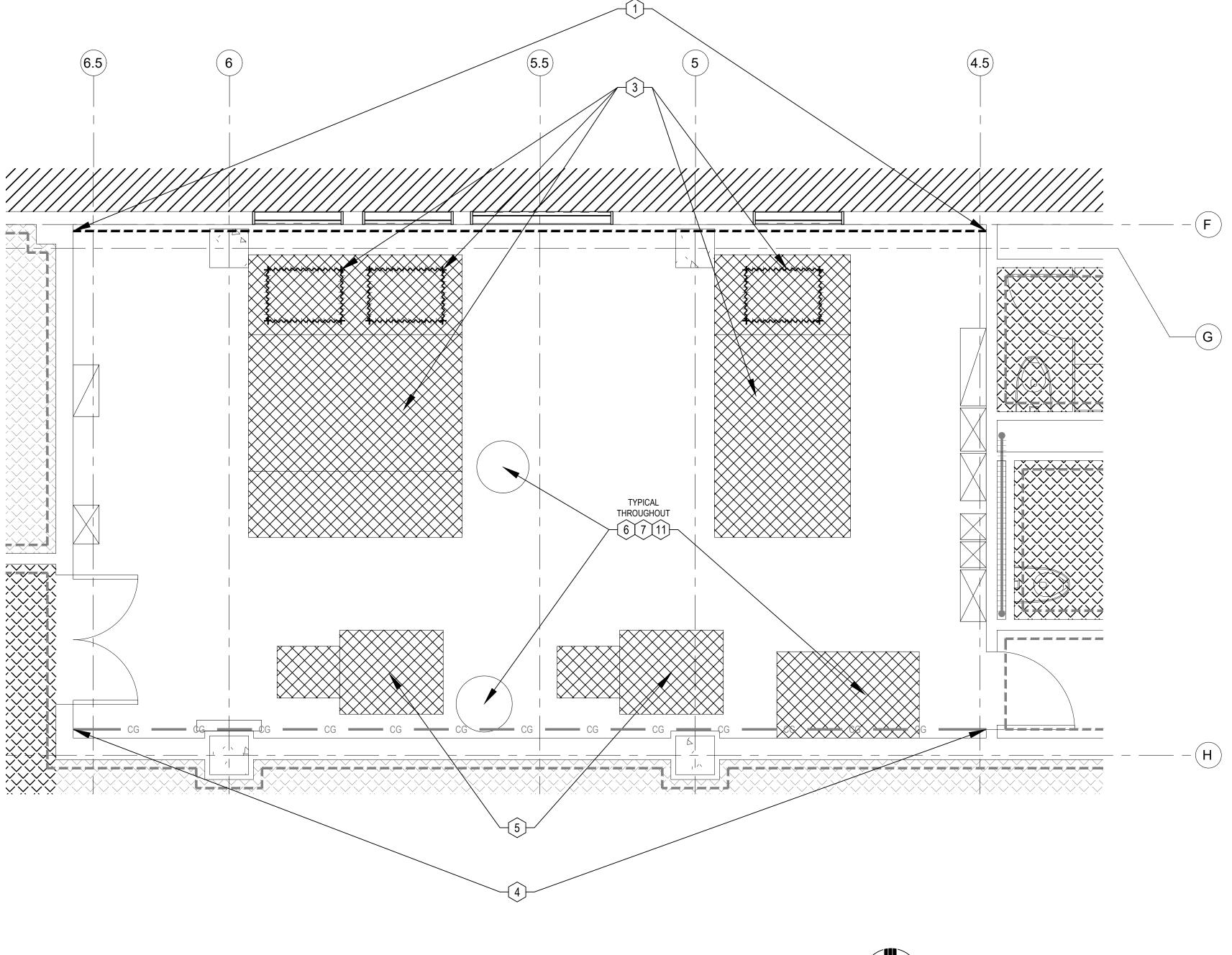






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HAZARDS ABATEMENT - ENLARGED PLAN - THIRD FLOOR MECHANICAL ROOM

FULL SIZE: 3/8" = 1'-0" HALF SIZE: 3/16" = 1'-0"

H104



## NOTIFICATION OF POTENTIAL HAZARDS

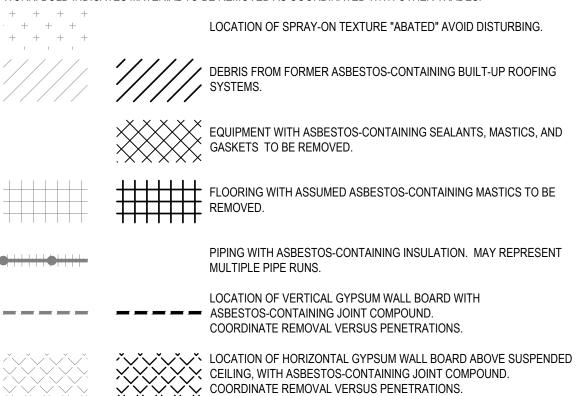
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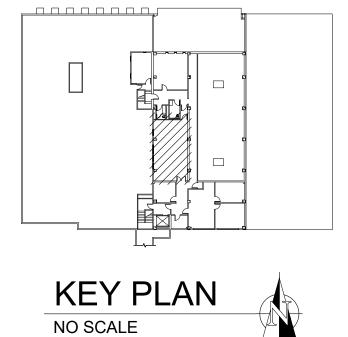
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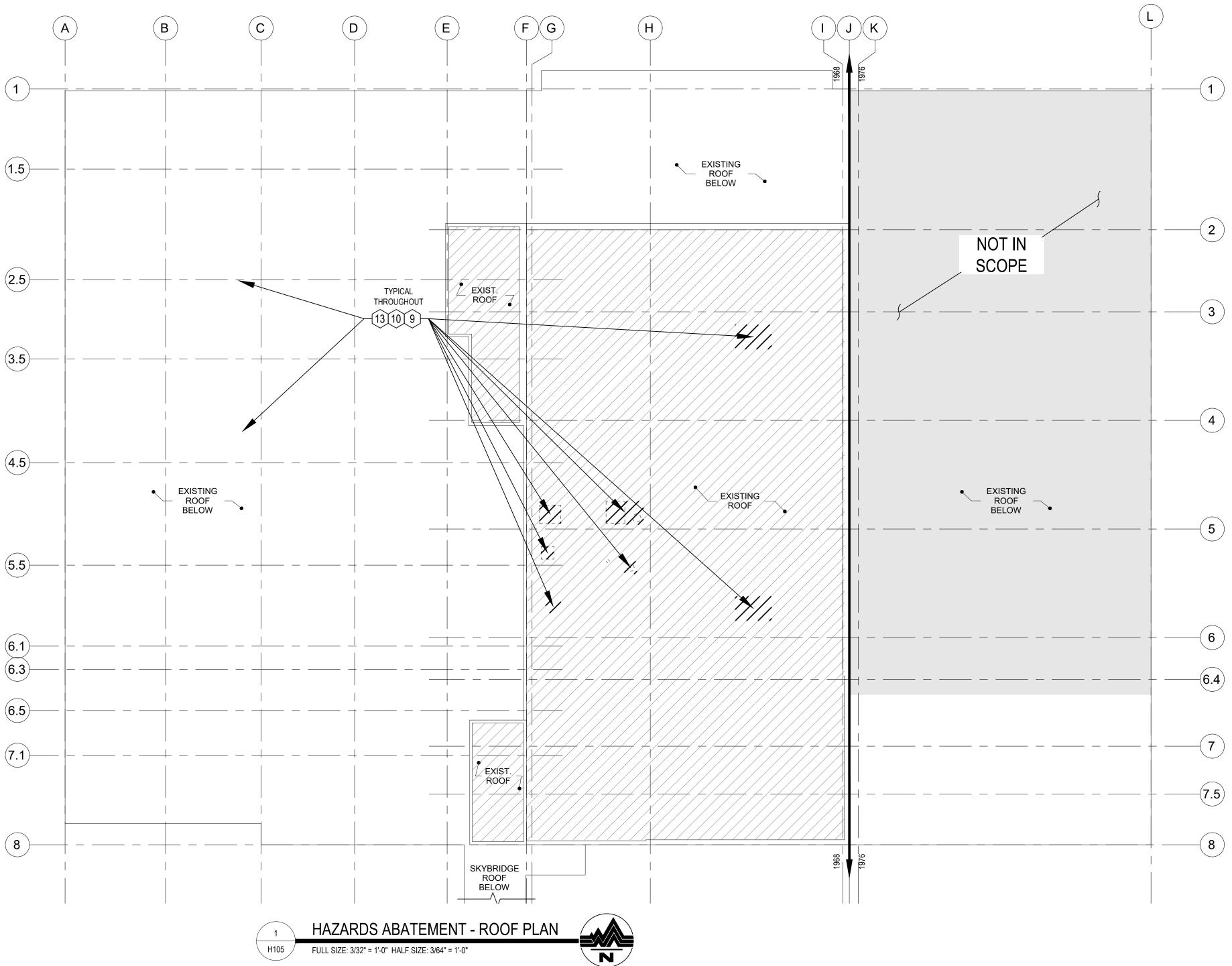
ASBESTOS-CONTAINING FLEXIBLE DUCT CONNECTOR





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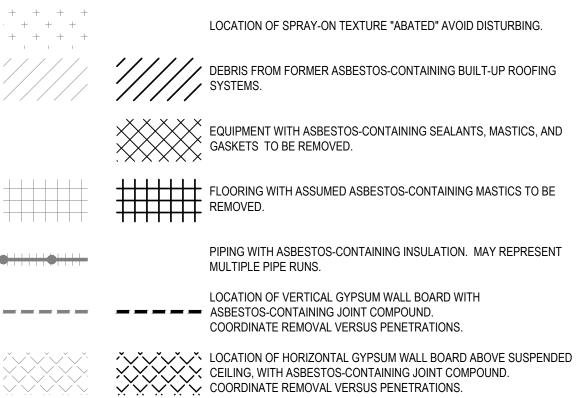
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