

IRWIN ACADEMIC CENTER

RESOURCE DRAWINGS FROM EXISTING CONDITIONS

OWNER INFORMATION
Charlotte-Mecklenburg Schools
7601 The Plaza
Charlotte, NC 28215

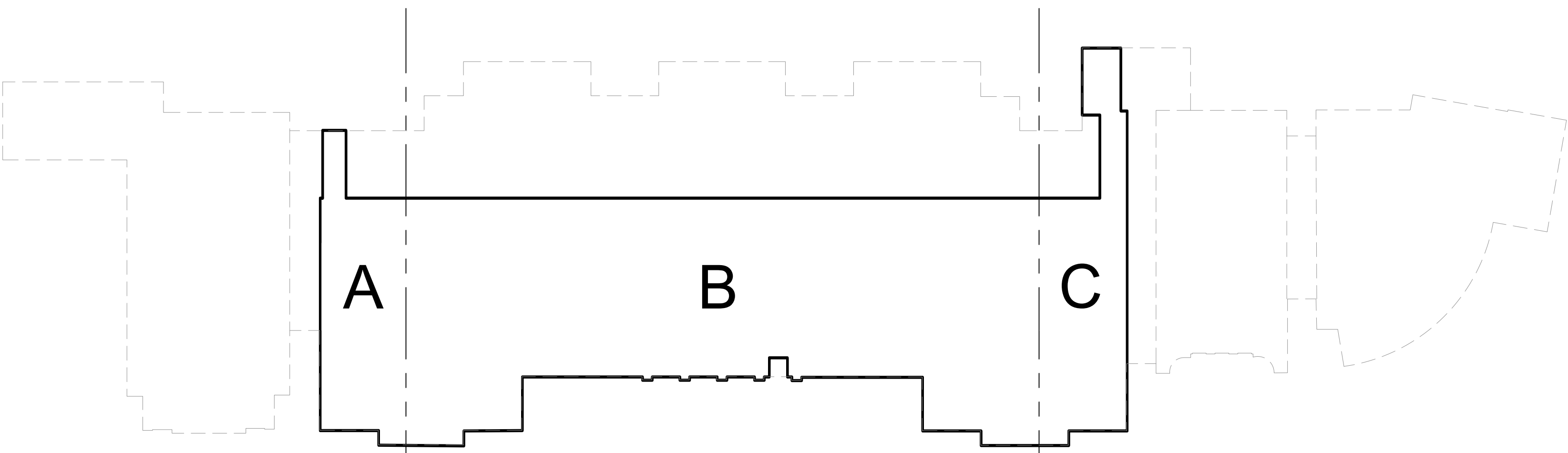
ENGINEER INFORMATION
TMG Consulting Engineers
401 Hawthorne Street
Suite 110/170
Charlotte, NC

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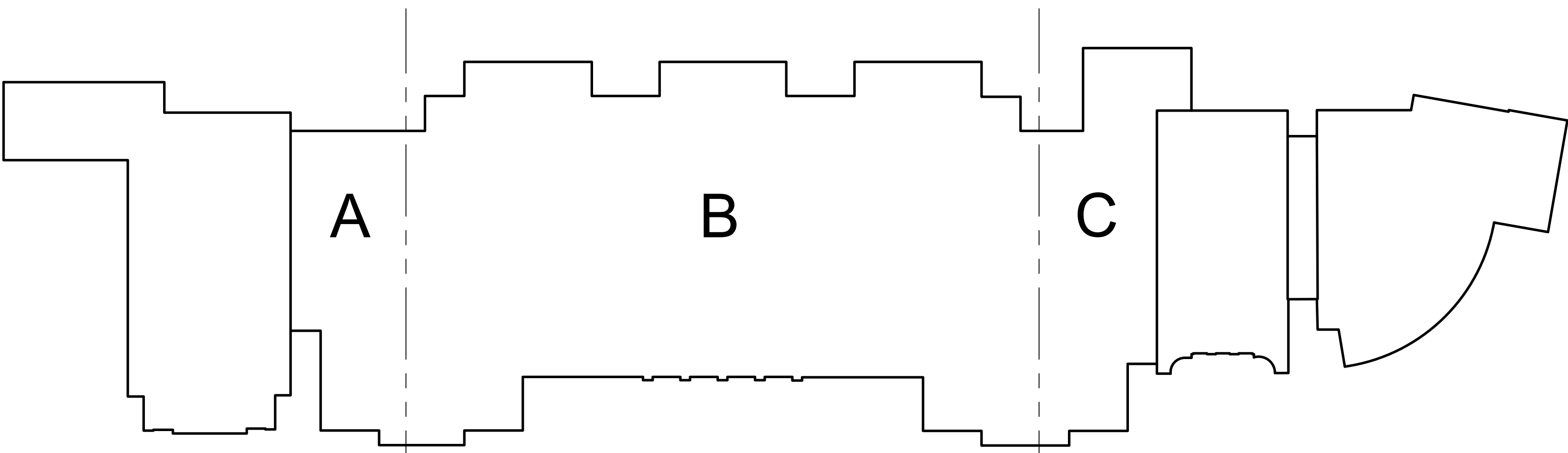
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1 SITE PLAN
NOT TO SCALE



LOWER LEVEL KEYPLAN



UPPER LEVEL KEYPLAN

2 KEY PLAN
NOT TO SCALE



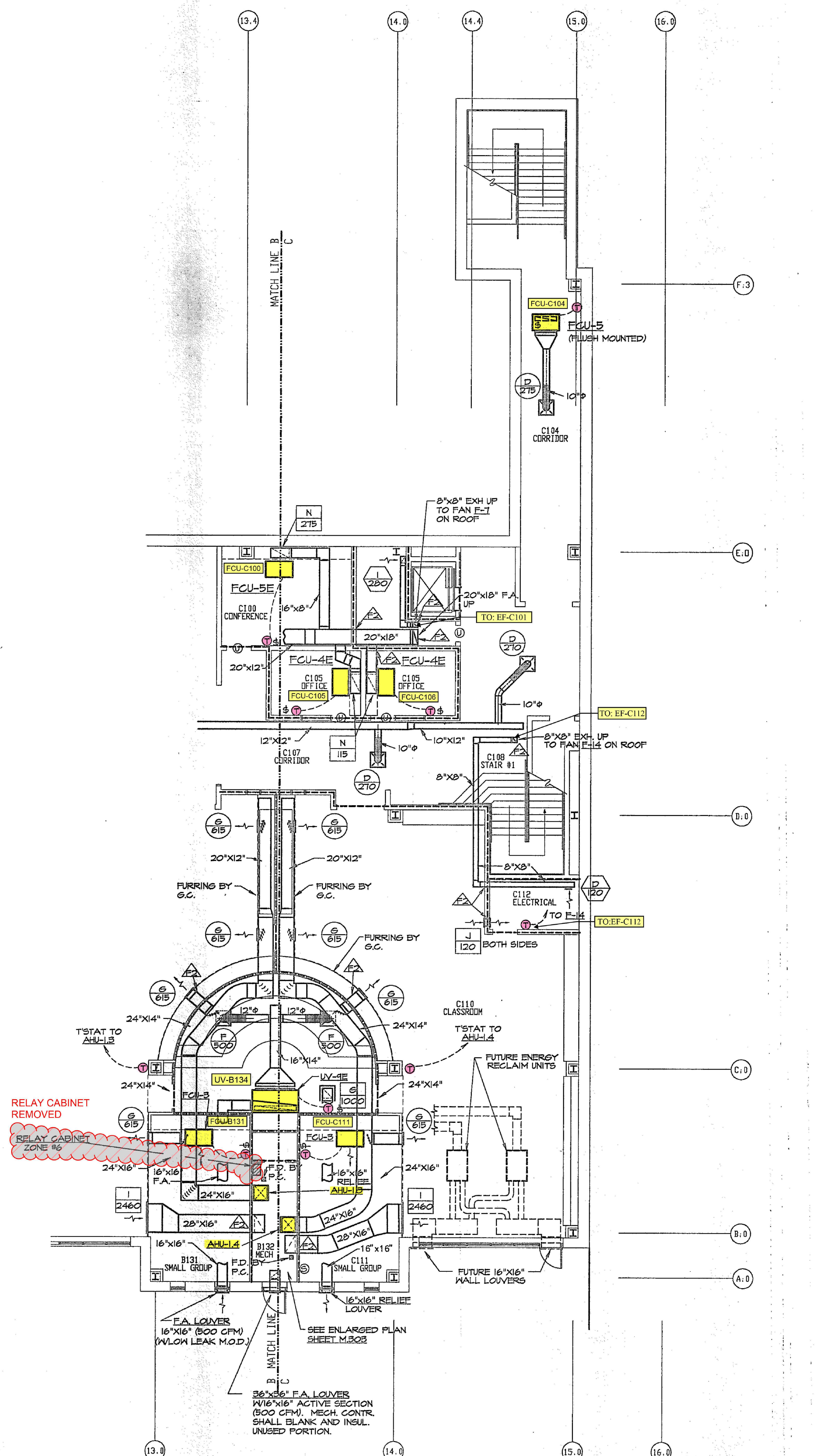
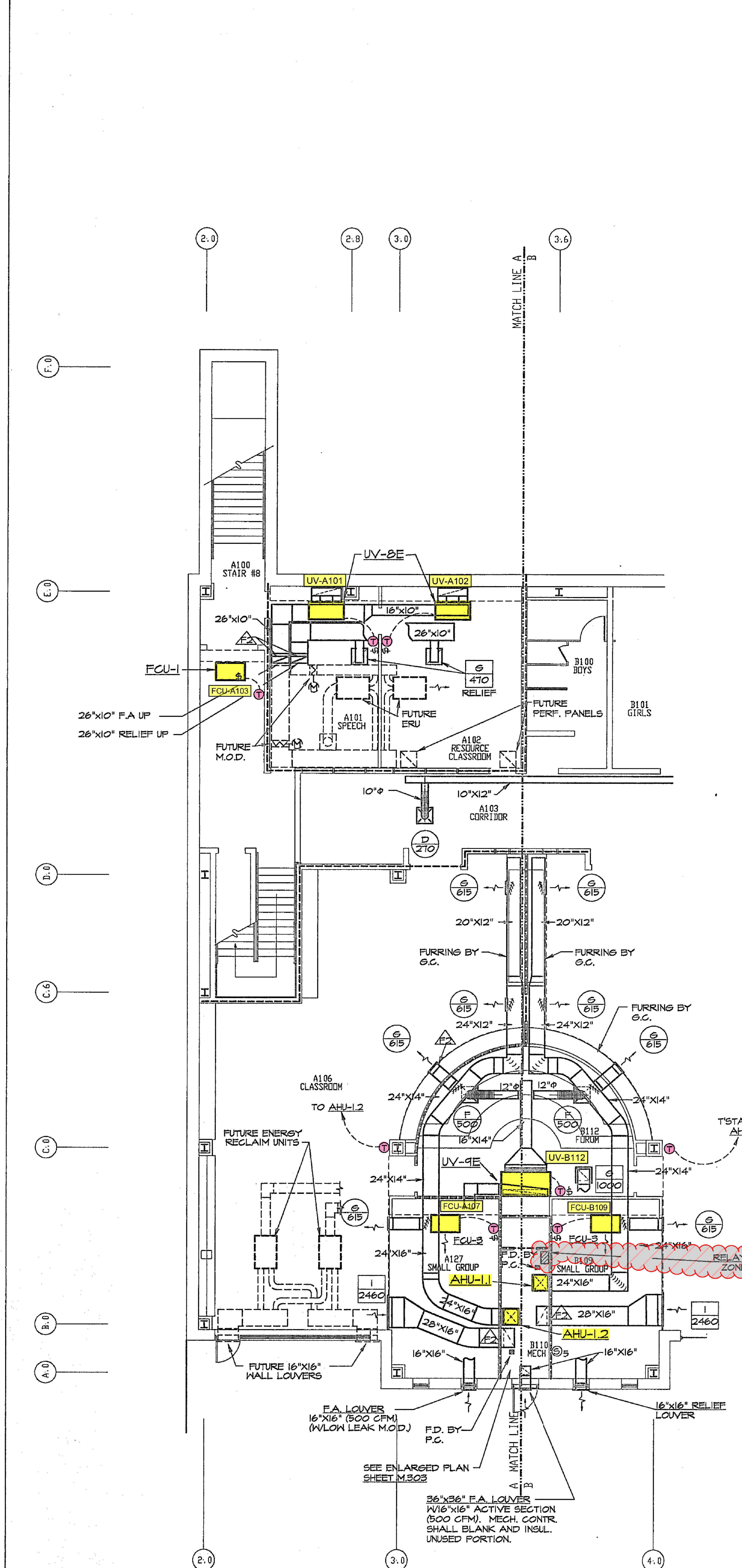
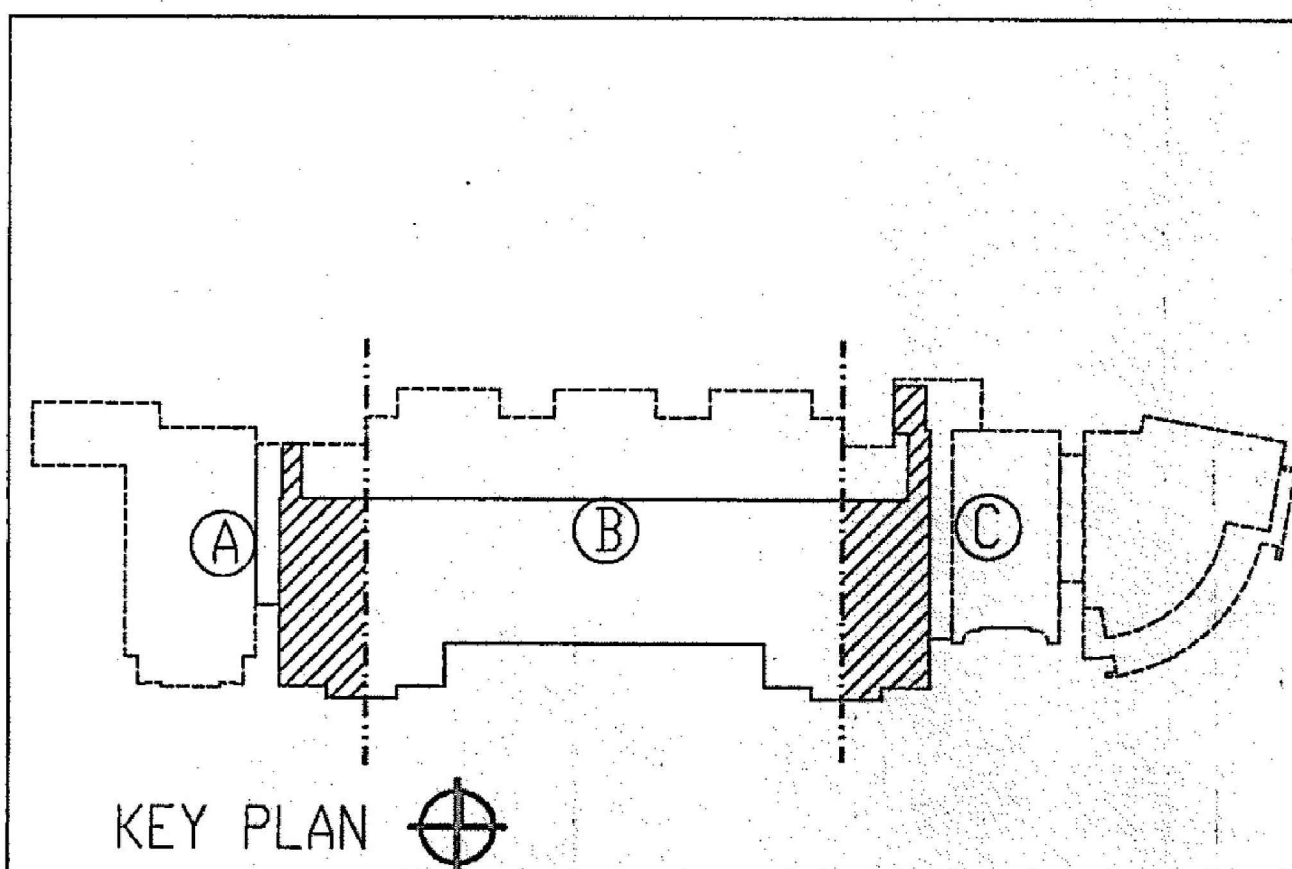
REVISIONS	NO.	DESCRIPTION	DATE
	1	ISSUED FOR CONSTRUCTION	12/30/22

SHEET INFORMATION	
DATE	12/30/2022
JOB NUMBER	2202-01-001
DRAWN	ALG
APPROVED	CTM

COVER PAGE

DALTON MORAN ROBINSON
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 704.378.1982

PROFESSIONAL ENGINEERING ASSOCIATES, P.A.
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LOWER LEVEL MECHANICAL PLAN - SECTION "A" 1/8"=1'-0" 02

LOWER LEVEL MECHANICAL PLAN - SECTION "C" 1/8"=1'-0" 01

LOWER LEVEL MECHANICAL PLANS SECTIONS A & C

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



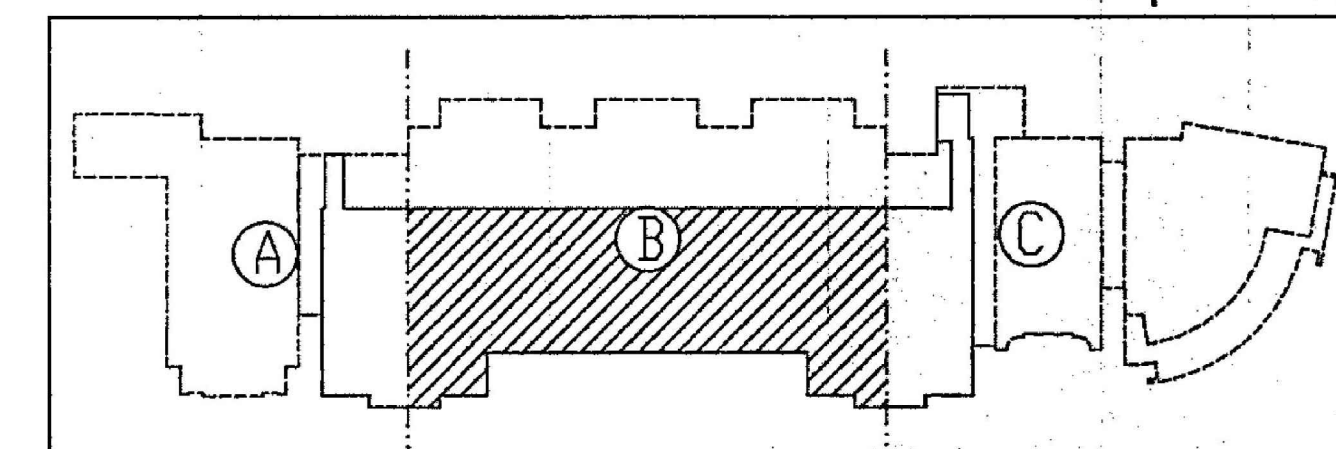
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LOWER LEVEL MECHANICAL PLANS SECTIONS A & C

PROFESSIONAL ENGINEERING ASSOCIATES.PA

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LOWER LEVEL MECHANICAL PLAN - SECTION "B" 1/8"=1'-0" (01)

CHARLOTTE-MECHLENBURG SCHOOLS

SHEET INFORMATION	
DATE	12/30/2025
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RM-102

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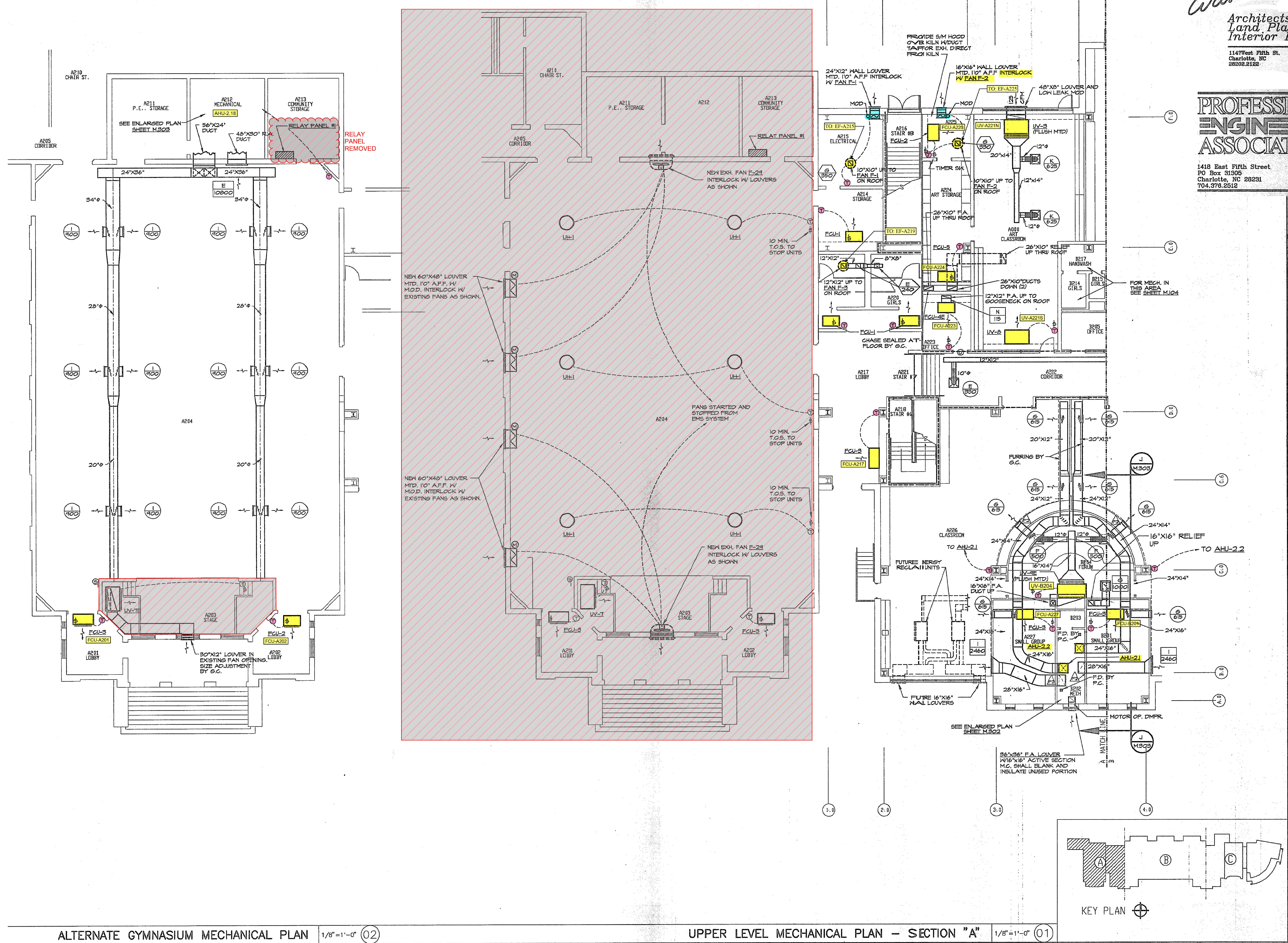
CHARLOTTE-MECKLENBURG SCHOOLS
IRWIN ACADEMIC CENTER
 RESOURCE DRAWINGS FROM EXISTING CONDITIONS
 CHARLOTTE-MECKLENBURG SCHOOLS
 323 N. IRWIN AVE.
 CHARLOTTE, NC 28202

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 DRAWN ALG
 APPROVED CTM

UPPER LEVEL MECHANICAL PLAN SECTION A

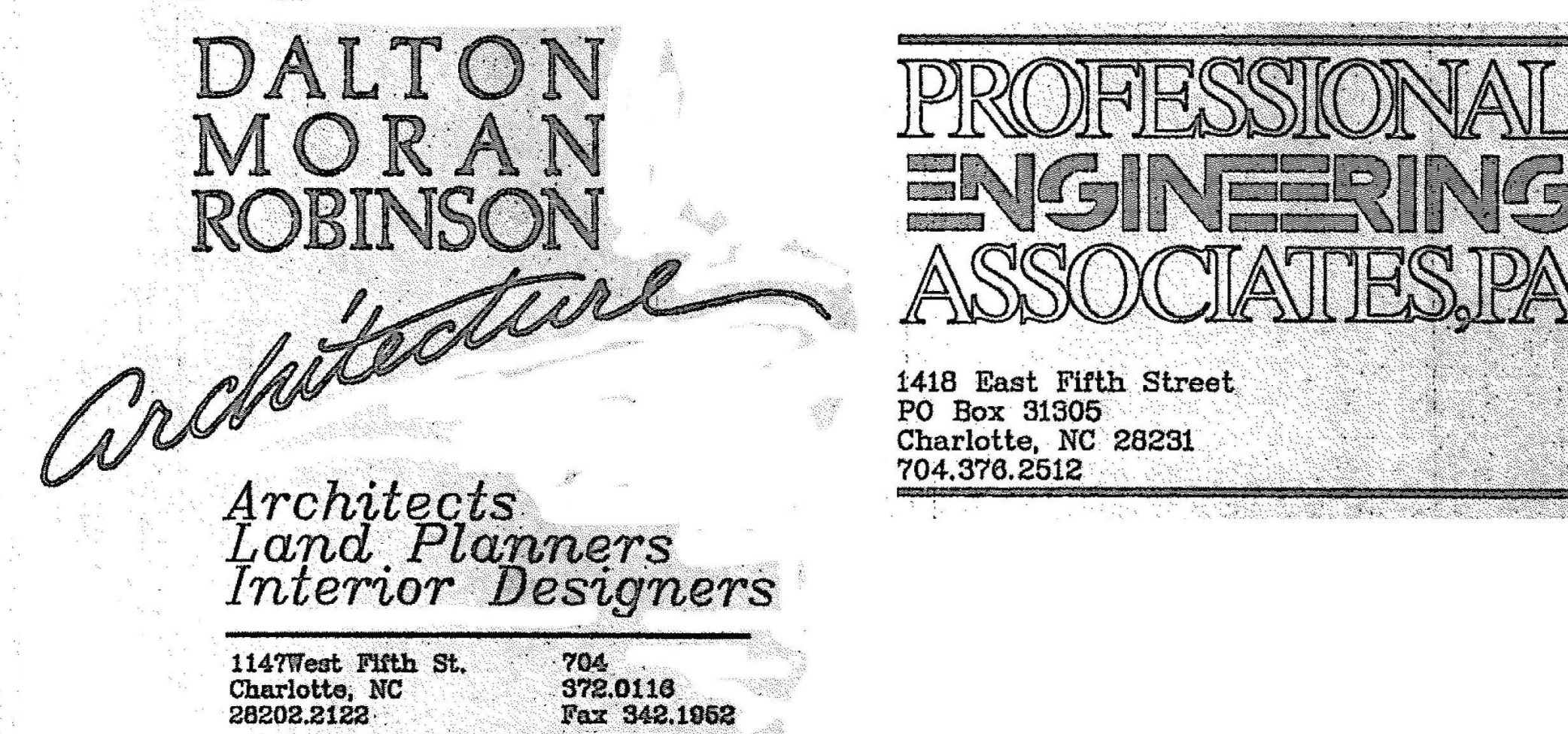
RM-103
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ALTERNATE GYMNASIUM MECHANICAL PLAN 1/8"=1'-0" (02)

UPPER LEVEL MECHANICAL PLAN - SECTION "A" 1/8"=1'-0" (01)

1 UPPER LEVEL MECHANICAL PLAN SECTION A
 SCALE: 1/8"=1'-0"
 NORTH



UPPER LEVEL MECHANICAL PLAN - SECTION "B"

 $1/8'' = 1' - 0''$ (0)

1 UPPER LEVEL MECHANICAL PLAN SECTION B
SCALE: $\frac{1}{8}"=1'-0"$



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IRWIN ACADEMIC CENTER
RESOURCE DRAWINGS FROM EXISTING CONDITIONS
CHARLOTTE-MECKLENBURG SCHOOLS
323 N. IRWIN AVE.
CHARLOTTE, NC 28202

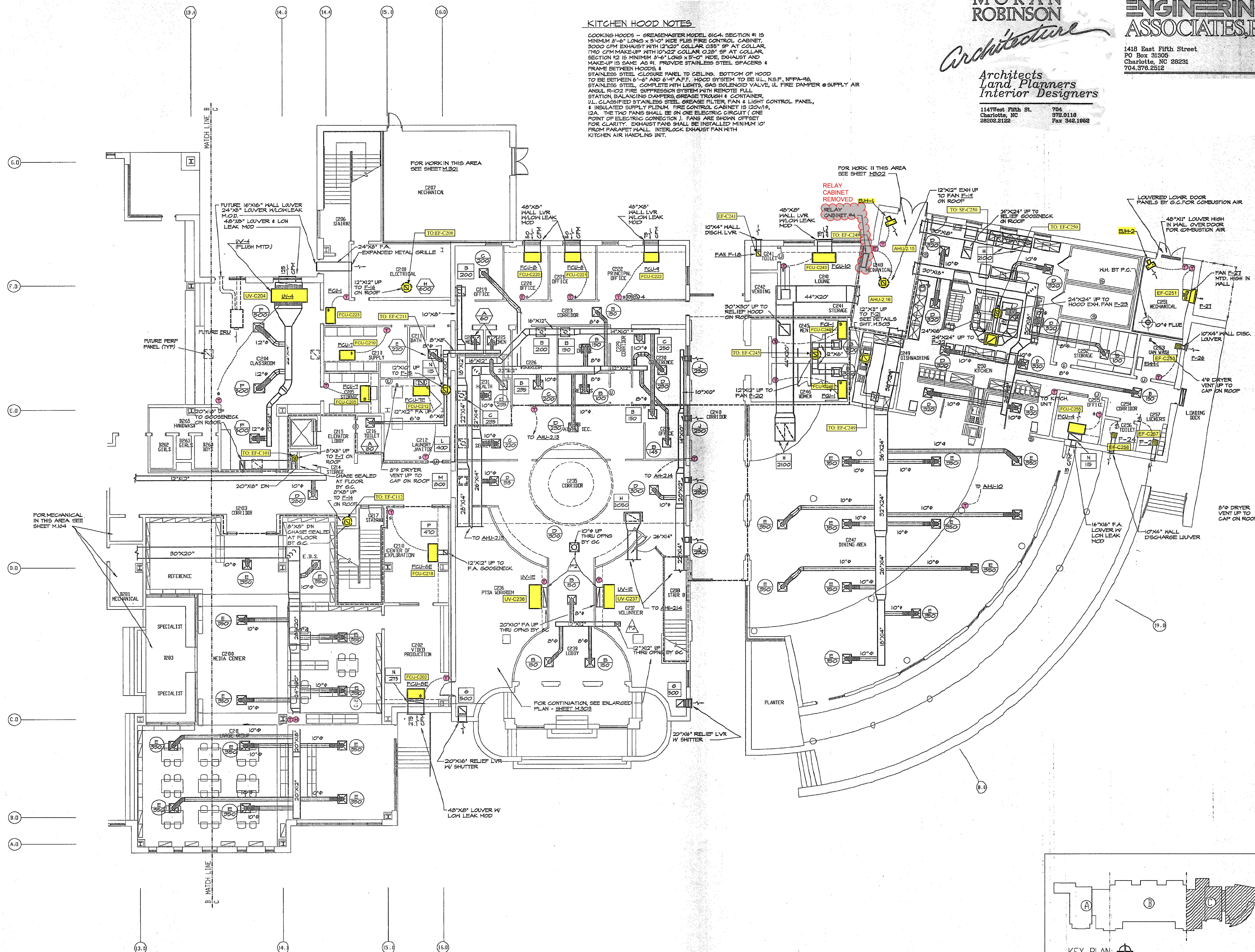
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SHEET INFORMATION									
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DRAWN		ALC							
APPROVED		CTM							

UPPER LEVEL
MECHANICAL PLAN
SECTION C

RM-105
SHEET 7 OF 17

KITCHEN HOOD NOTES

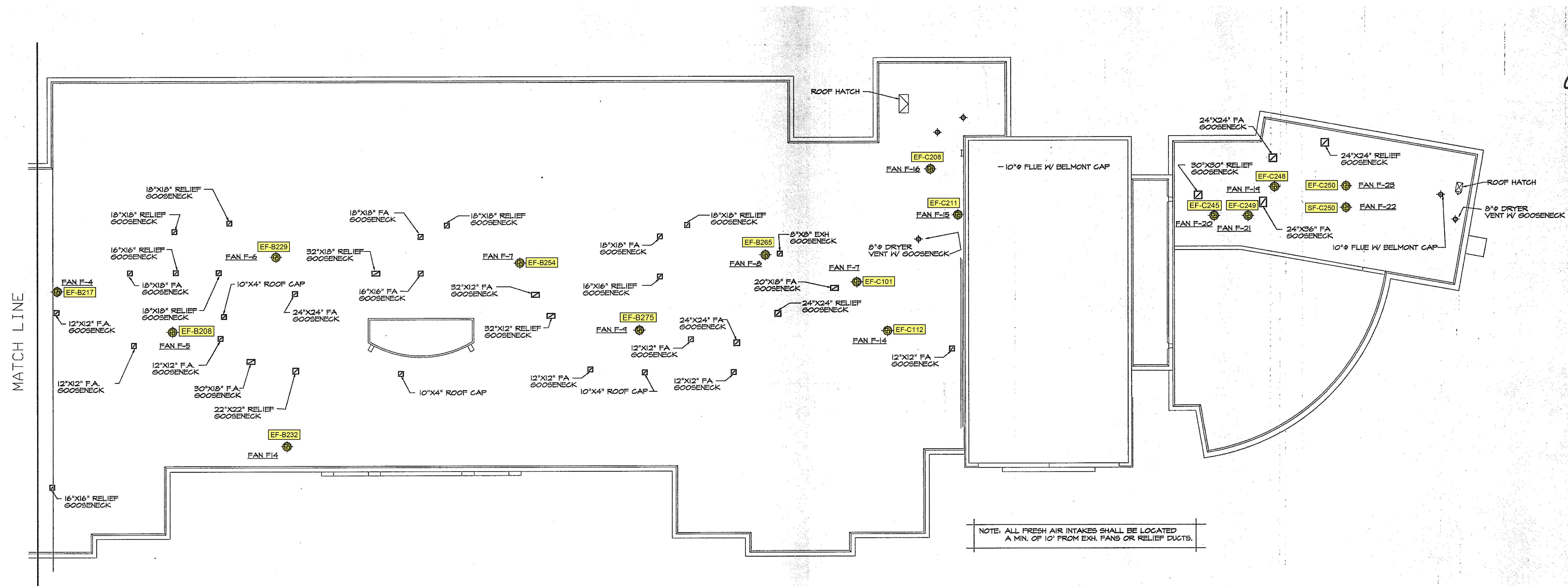
COOKING HOODS - GREASEMASTER MODEL 6164, SECTION #1 IS MINIMUM 8'-6" LONG x 5'-0" WIDE PLUS FIRE CONTROL CABINET, 3000 CFM EXHAUST WITH 12"x20" COLLAR 0.25" SP AT COLLAR, 1740 CFM MAKEUP WITH 10"x22" COLLAR 0.25" SP AT COLLAR, SECTION #2 IS MINIMUM 8'-6" LONG x 5'-0" WIDE, EXHAUST AND MAKEUP IS SAME AS #1, PROVIDE STAINLESS STEEL SPACERS & FRAME BETWEEN HOODS, & STAINLESS STEEL CLOSURE PANEL TO CEILING, BOTTOM OF HOOD TO BE BETWEEN 6'-6" AND 6'-4" A.F.F. HOOD SYSTEM TO BE UL, N.S.P., NFPA-96, STAINLESS STEEL, COMPLETE WITH LIGHTS, GAS SOLENOID VALVE, UL FIRE DAMPER @ SUPPLY AIR ANUL R-02 FIRE SUPPRESSION SYSTEM WITH REMOTE FILL STATION, BALANCING DAMPERS, GREASE TROUGH & CONTAINER, UL CLASSIFIED STAINLESS STEEL GREASE FILTER, FAN & LIGHT CONTROL PANEL, & INSULATED SUPPLY PLENUM, FIRE CONTROL CABINET IS 120V/10, 12A. THE TWO FANS SHALL BE ON ONE ELECTRIC CIRCUIT (ONE POINT OF ELECTRIC CONNECTION), FANS ARE SHOWN OFFSET FOR CLARITY. EXHAUST FANS SHALL BE INSTALLED MINIMUM 10' FROM PARAPET WALL. INTERLOCK EXHAUST FAN WITH KITCHEN AIR HANDLING UNIT.



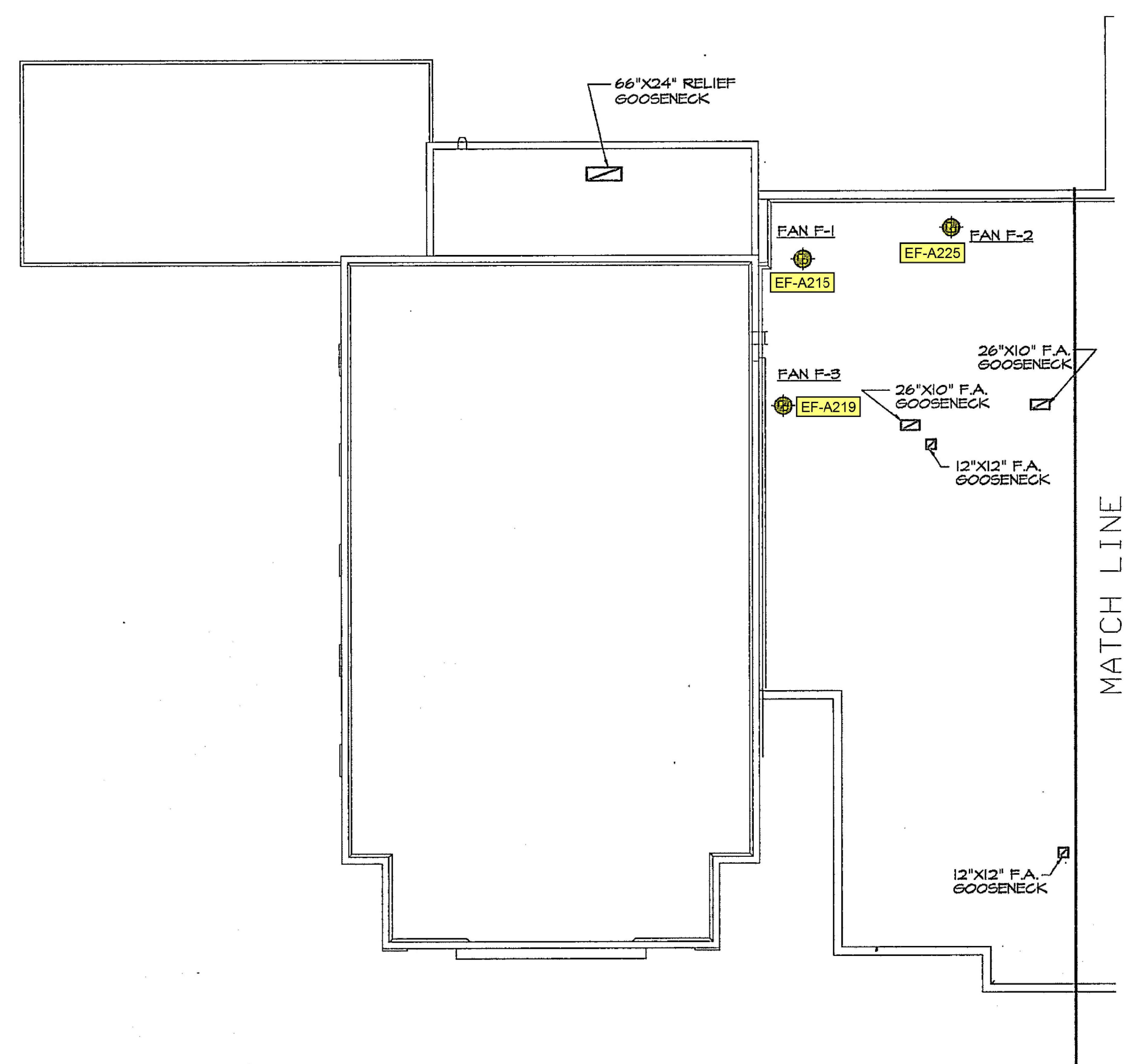
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MECHANICAL
ROOF PLAN



PARTIAL ROOF PLAN 1/16" = 1'-0" (3)



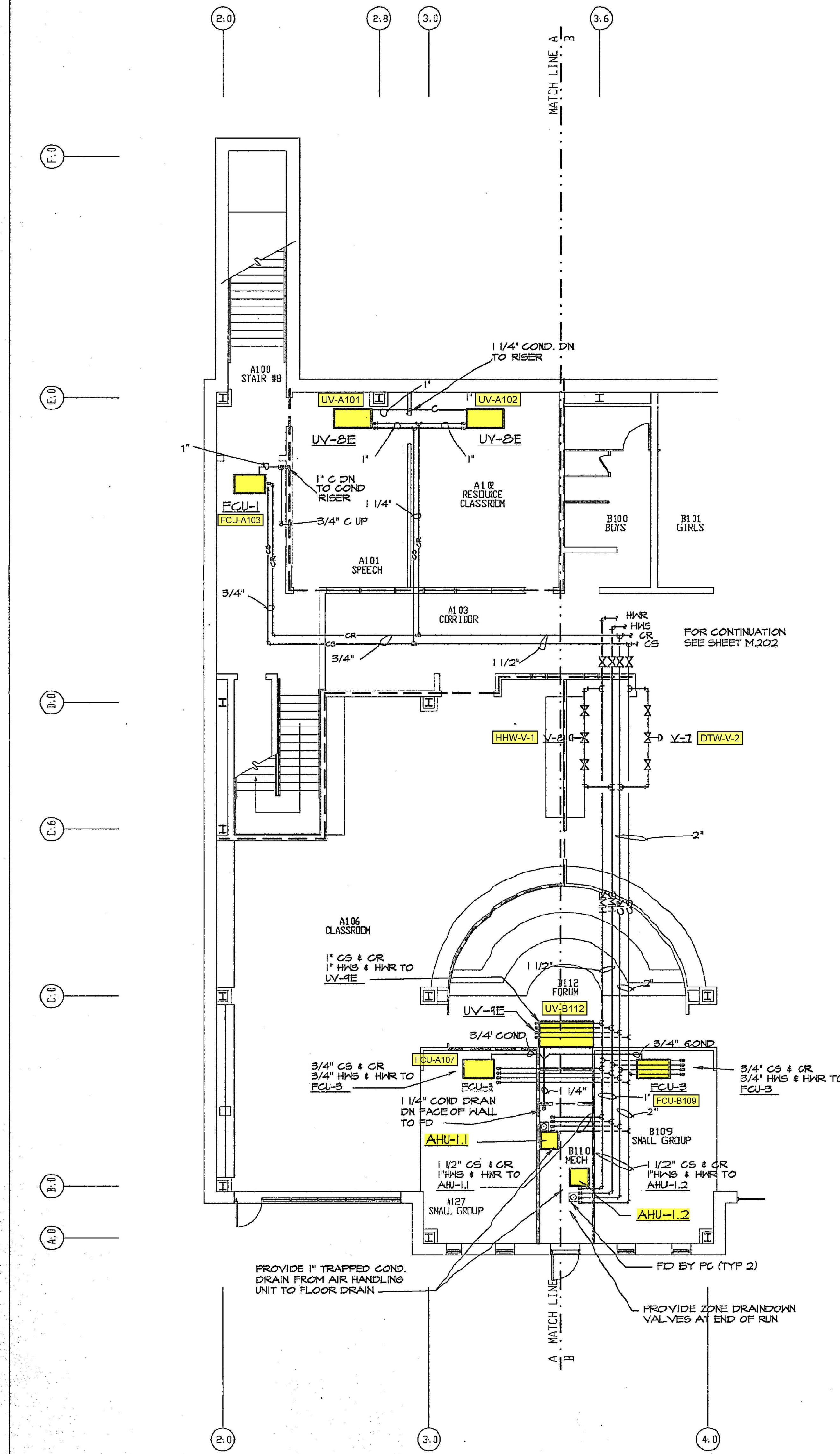
PARTIAL ROOF PLAN 1/16" = 1'-0" (3)



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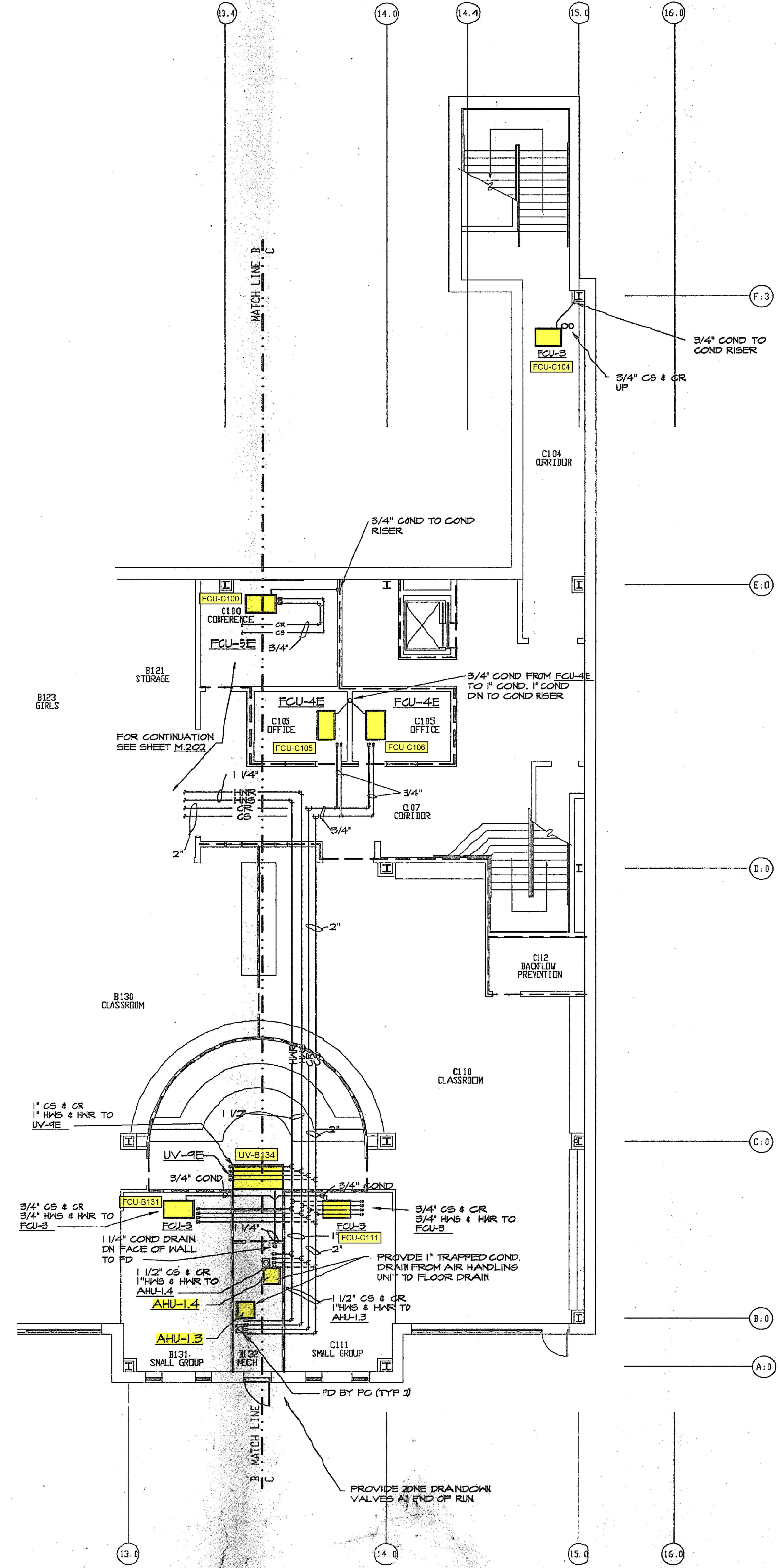
LOWER LEVEL
 PIPING PLAN
 SECTION A & C



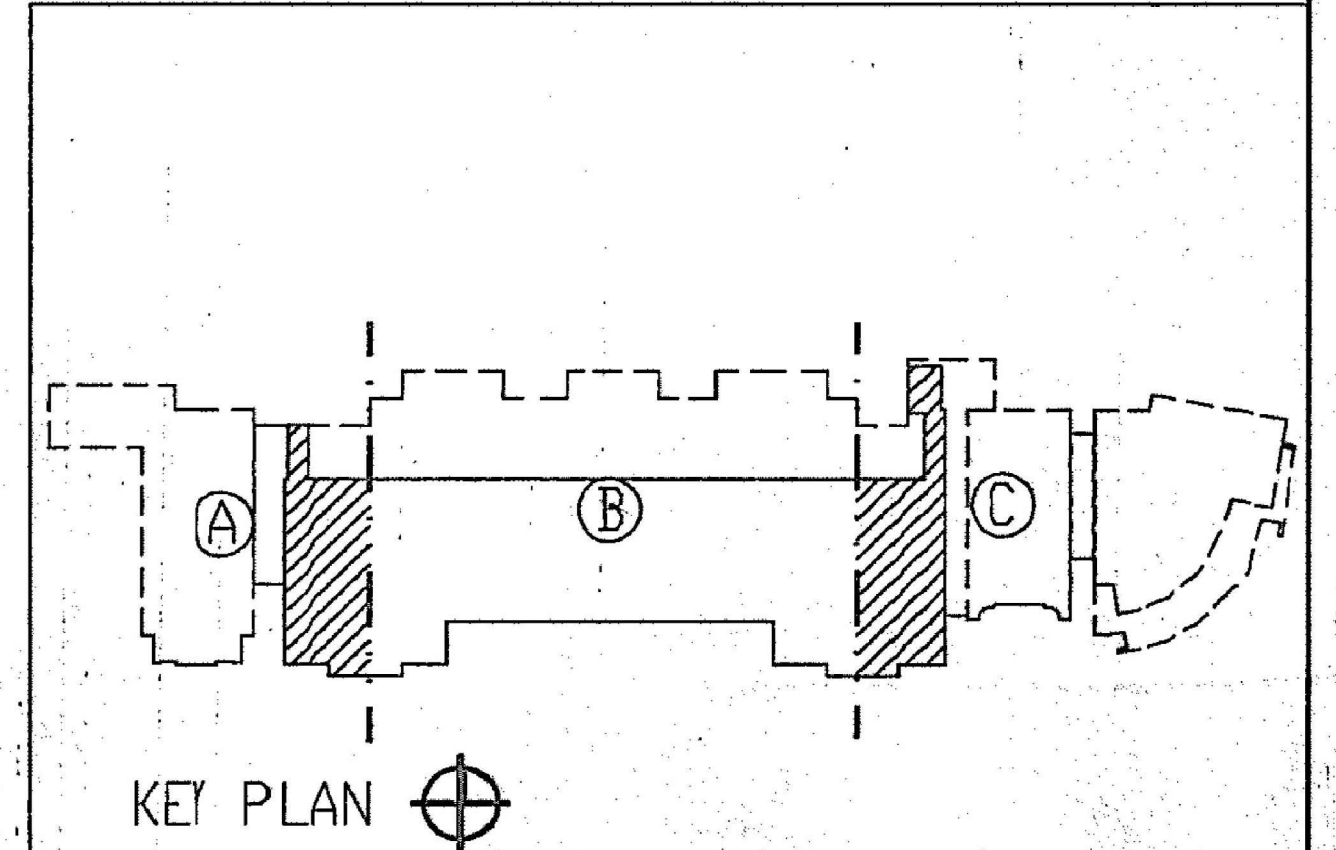
LOWER LEVEL PIPING PLAN - SECTION "A"

1 LOWER LEVEL PIPING PLAN SECTION A & C
 SCALE: 1/8"=1'-0"

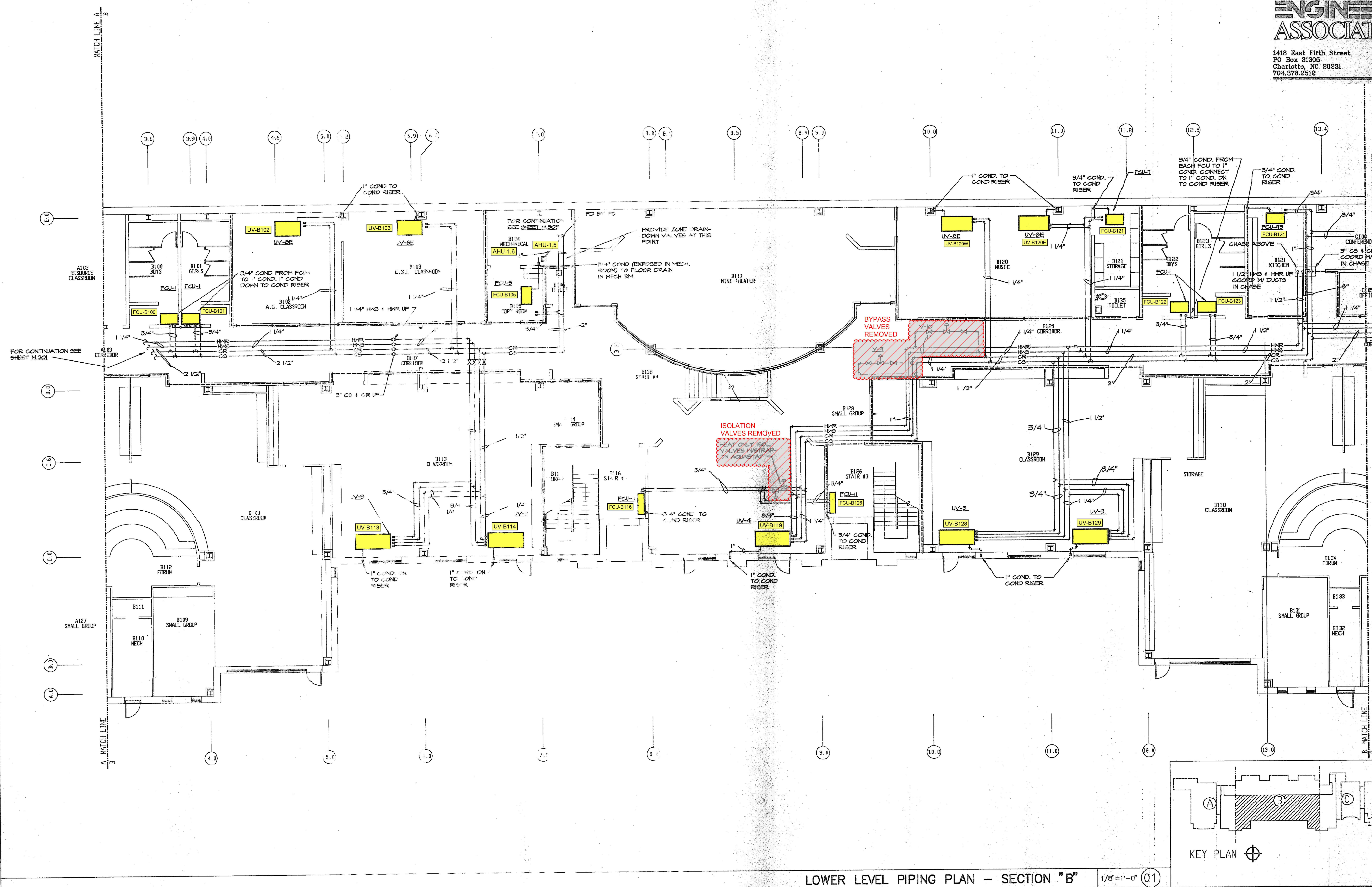
- NOTE: NOTES REFERENCED ON THIS SHEET APPLY TO ALL SHEETS
- NOTE: 2" CONDENSATE RISER UP 18" IN WALL BY P.C. COORDINATE CONDENSATE DRAIN PIPING LOCATIONS. SEE DTL SHT M503.
- NOTE: PIPING SHOWN TO INDICATE GENERAL ROUTING AND PIPE SIZES REQ'D. FOR THE INSTALLATION. THE CONTRACTOR SHALL INSTALL PIPING IN A COMPLETE AND CONCEALED MANNER, PROVIDING THE NECESSARY OFFSETS AND BENDS TO ACCOMPLISH THIS REQUIREMENT.
- NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING RISES WITH DUCTWORK AND ELECTRICAL/RUNNING WORK BEFORE FABRICATION OR INSTALLATION OF HIS WORK.
- NOTE: BASE BID PIPING SYSTEM IS A "2-PIPE" DESIGN. WHEN PRICING BASE BID CONSIDER ONLY "CS" & "CR" PIPING AS COMBINATION PIPING. PRIMARY "HWS" & "HWR" PIPING IS NOT TO BE CONSIDERED IN BASE BID.



LOWER LEVEL PIPING PLAN - SECTION "C"



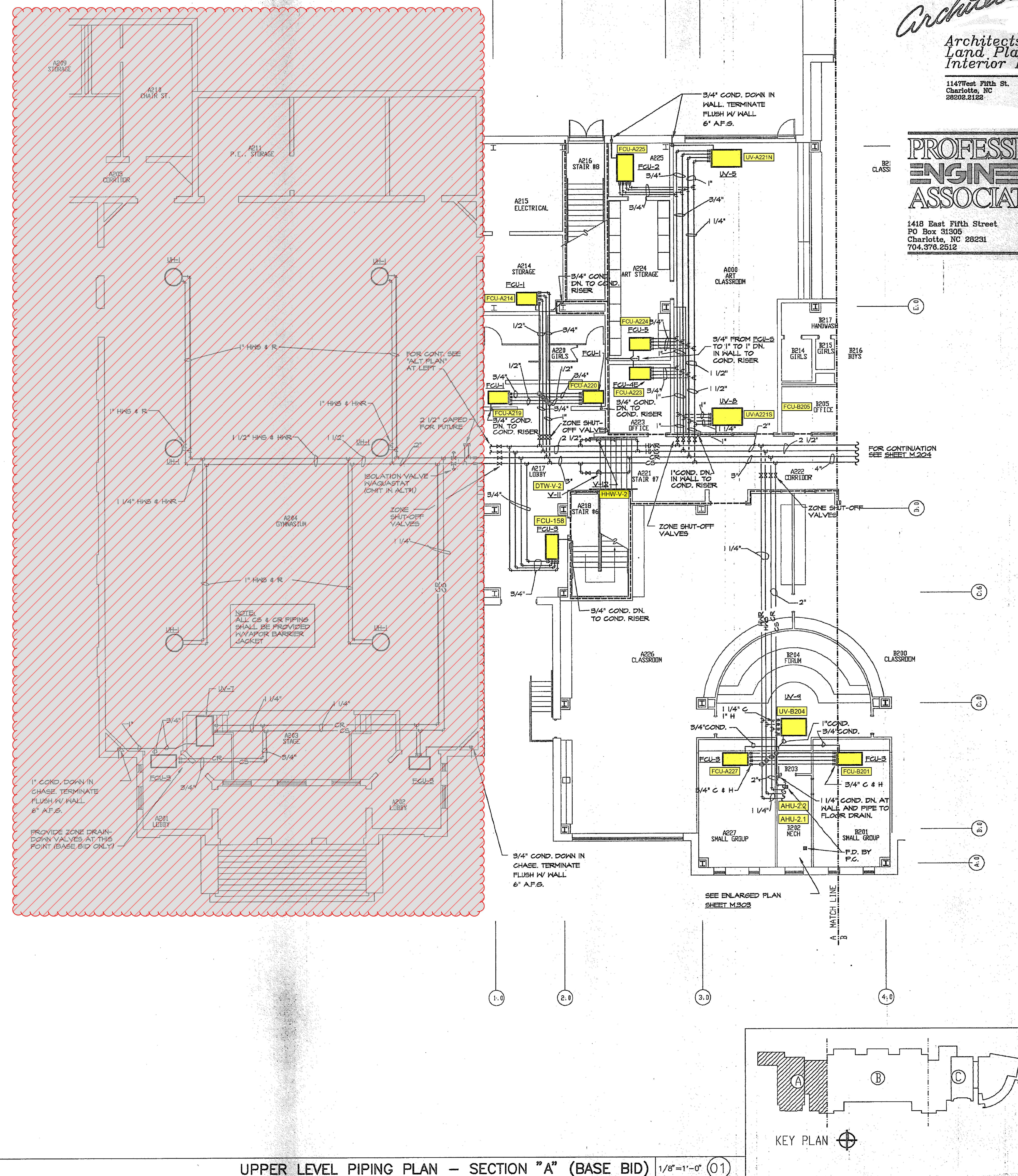
KEY PLAN



① LOWER LEVEL PIPING PLAN SECTION B
SCALE: $\frac{1}{8}" = 1' - 0"$



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UPPER LEVEL PIPING PLAN - SECTION "A" (BASE BID) 1/8"=1'-0" (01)

SCALE: $\frac{1}{8}"=1'-0"$



KEY PLAN

ISSUED FOR CONSTRUCTION

CHARLOTTE-MECKLENBURG SCHOOLS

IRWIN ACADEMIC CENTER

RESOURCE DRAWINGS FROM EXISTING CONDITIONS

CHARLOTTE-MECKLENBURG SCHOOLS
323 N. IRWIN AVE.
CHARLOTTE, NC 28202

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UPPER LEVEL
PIPING PLAN
SECTION B

EXISTING CONDITIONS DRAWING FOR MECHANICAL PIPING IN THIS SECTION
NOT PROVIDED TO ENGINEER.

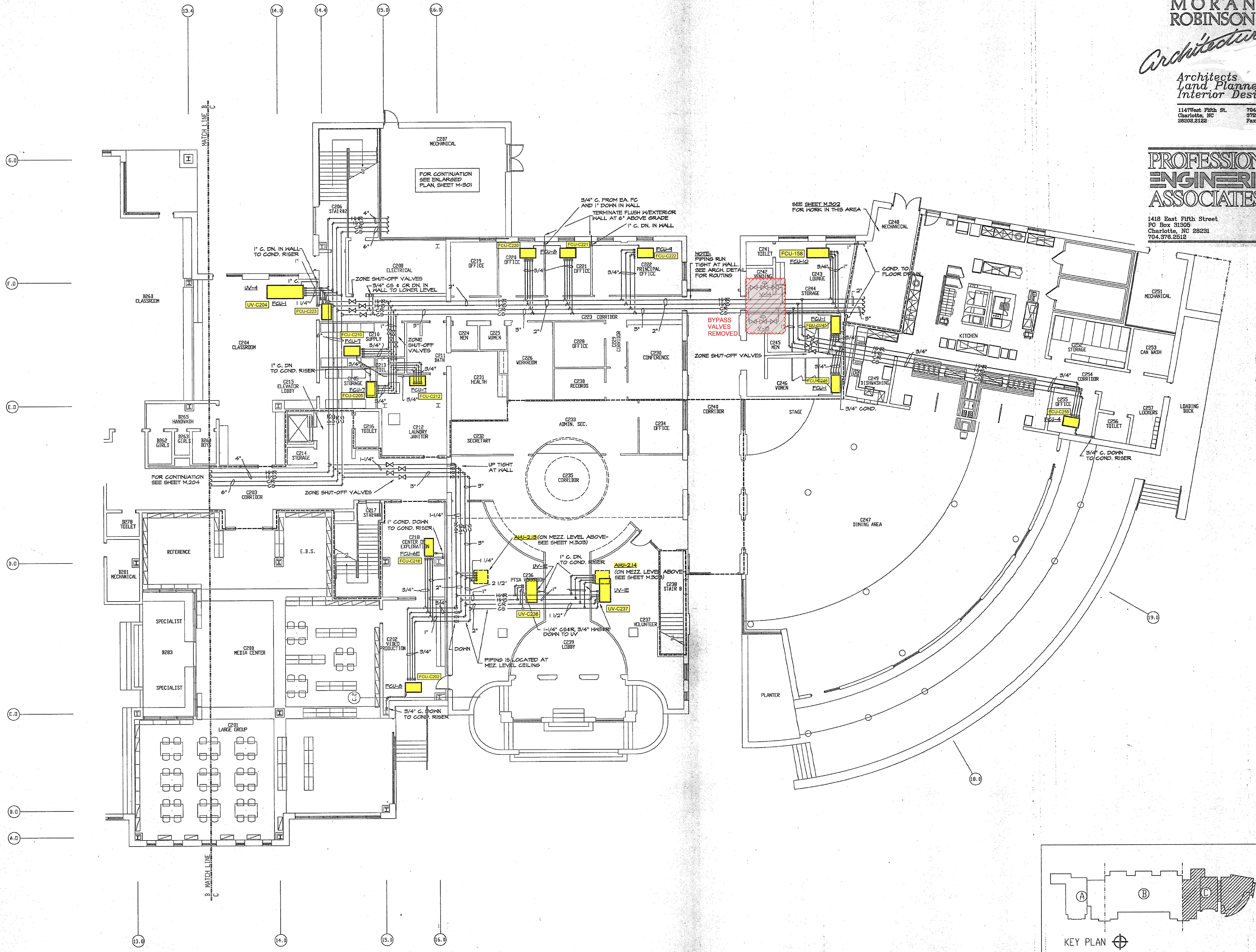
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UPPER LEVEL
PIPING PLAN
SECTION C

RM-205

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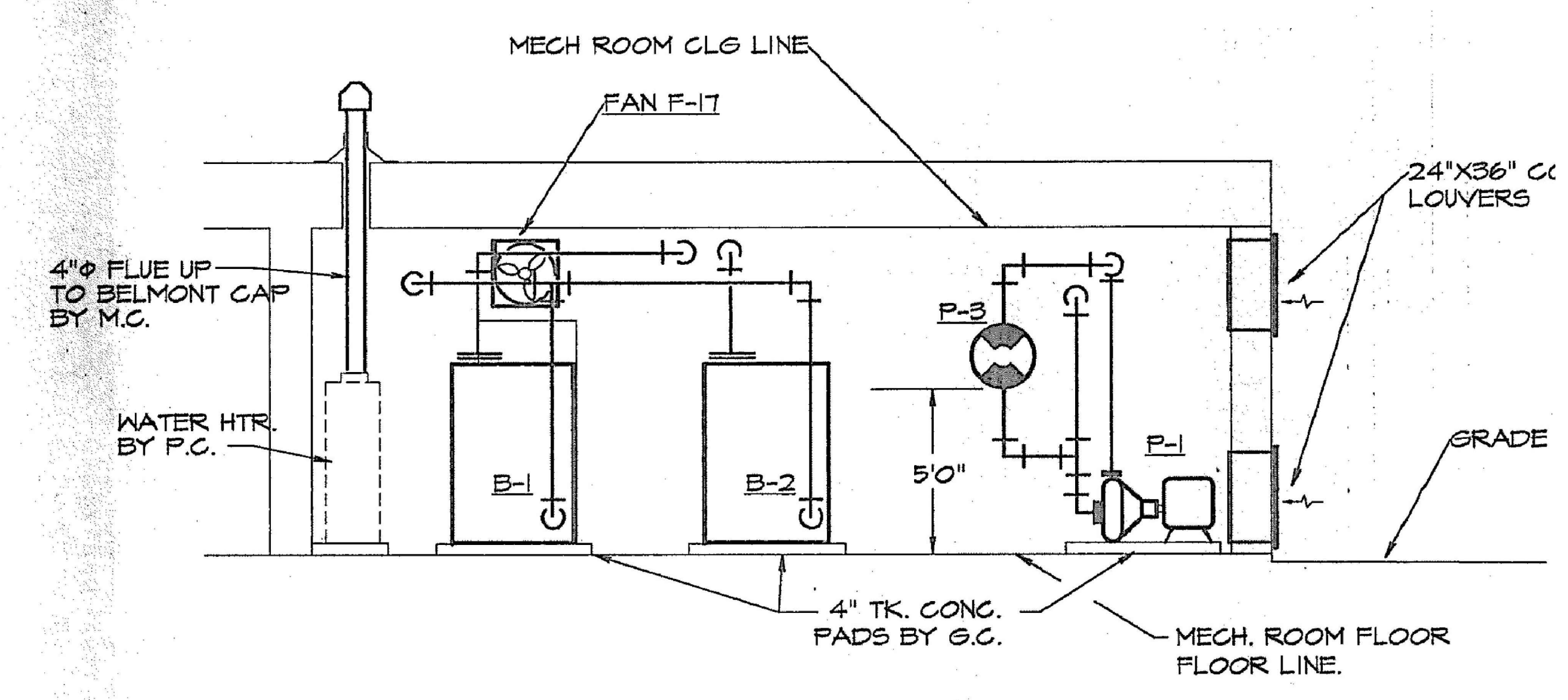
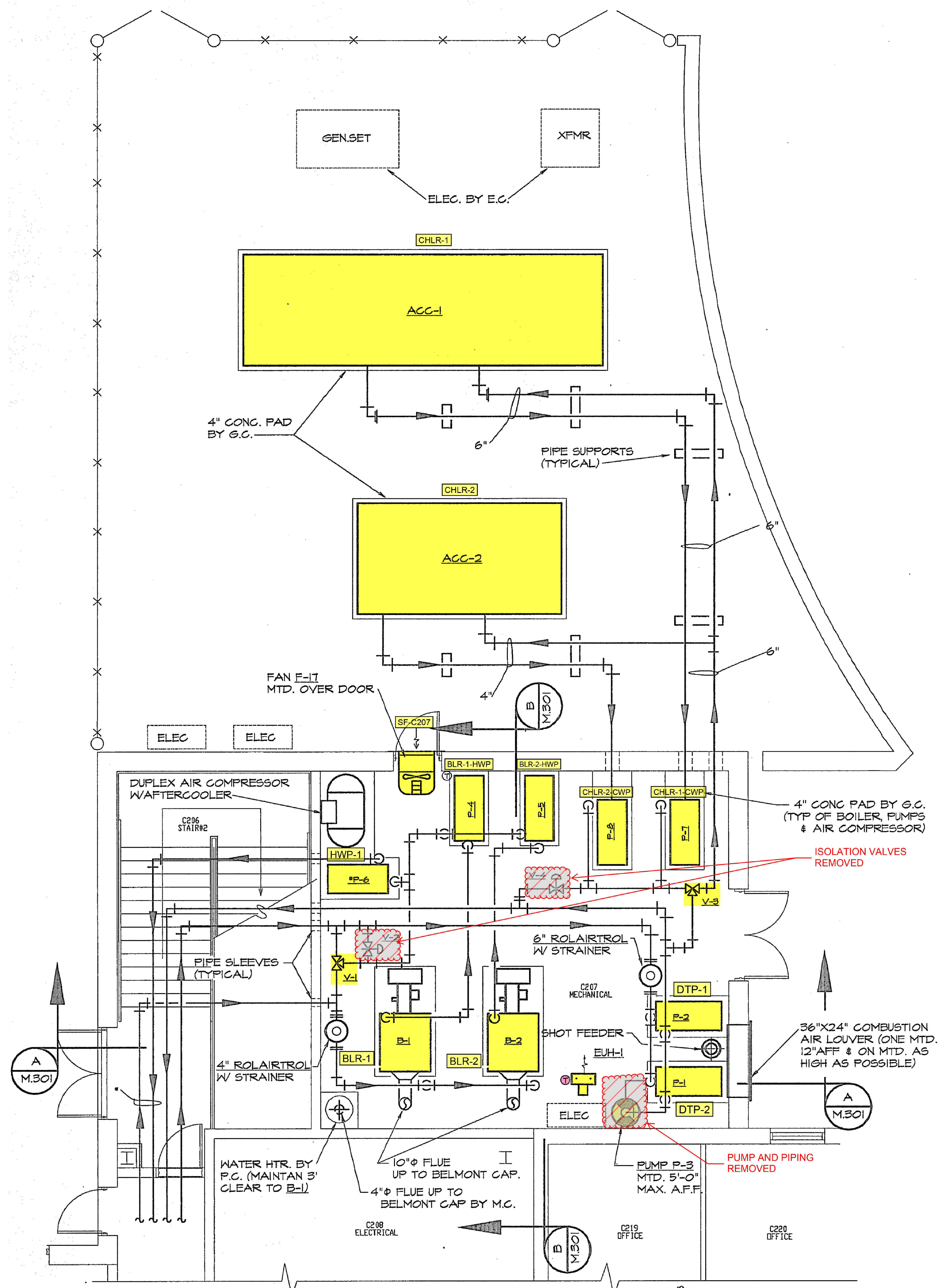


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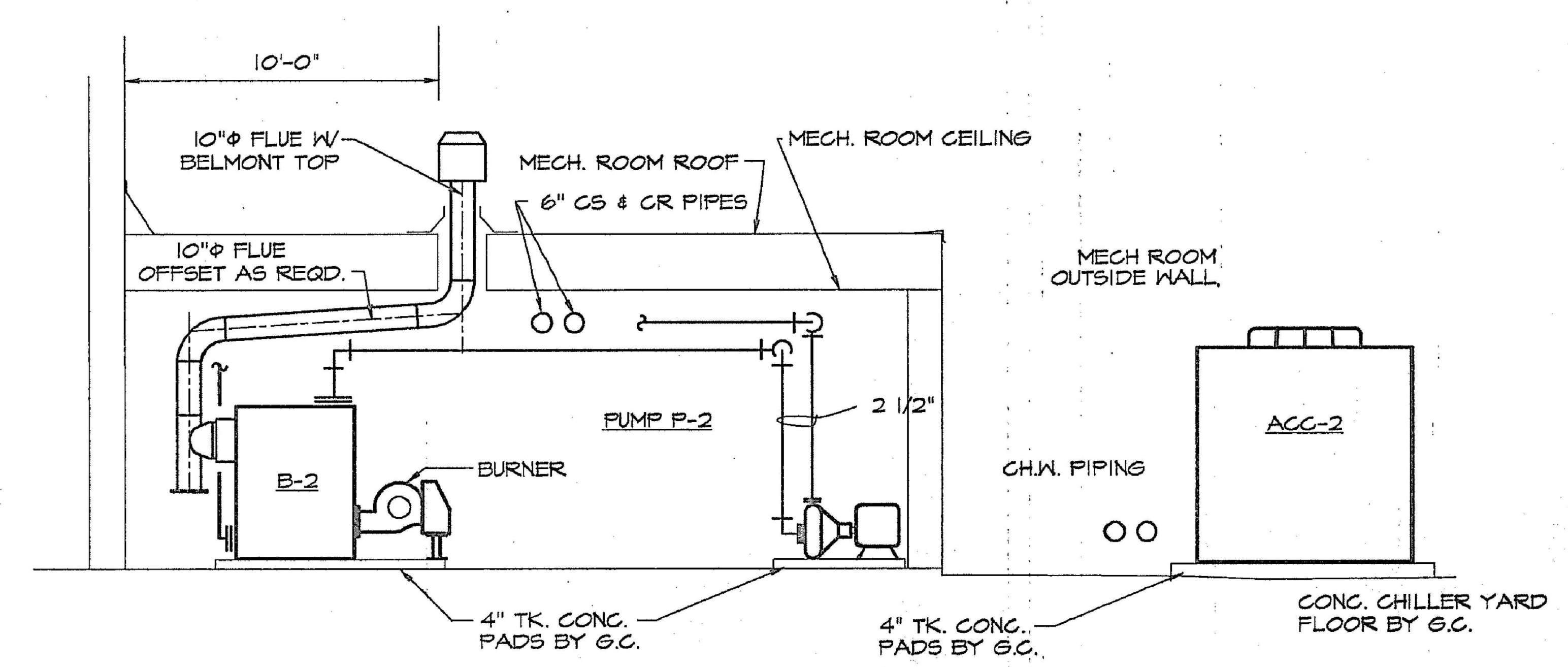
PROFESSIONAL ENGINEERING ASSOCIATES, P.A.
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 IRWIN ACADEMIC CENTER
 RESOURCE DRAWINGS FROM EXISTING CONDITIONS
 CHARLOTTE-MECKLENBURG SCHOOLS
 323 N. IRWIN AVE.
 CHARLOTTE, NC 28202



SECTION A - BOILER ROOM C207
 SCALE 1/4" = 1'-0"



SECTION B - BOILER ROOM C207
 SCALE 1/4" = 1'-0"

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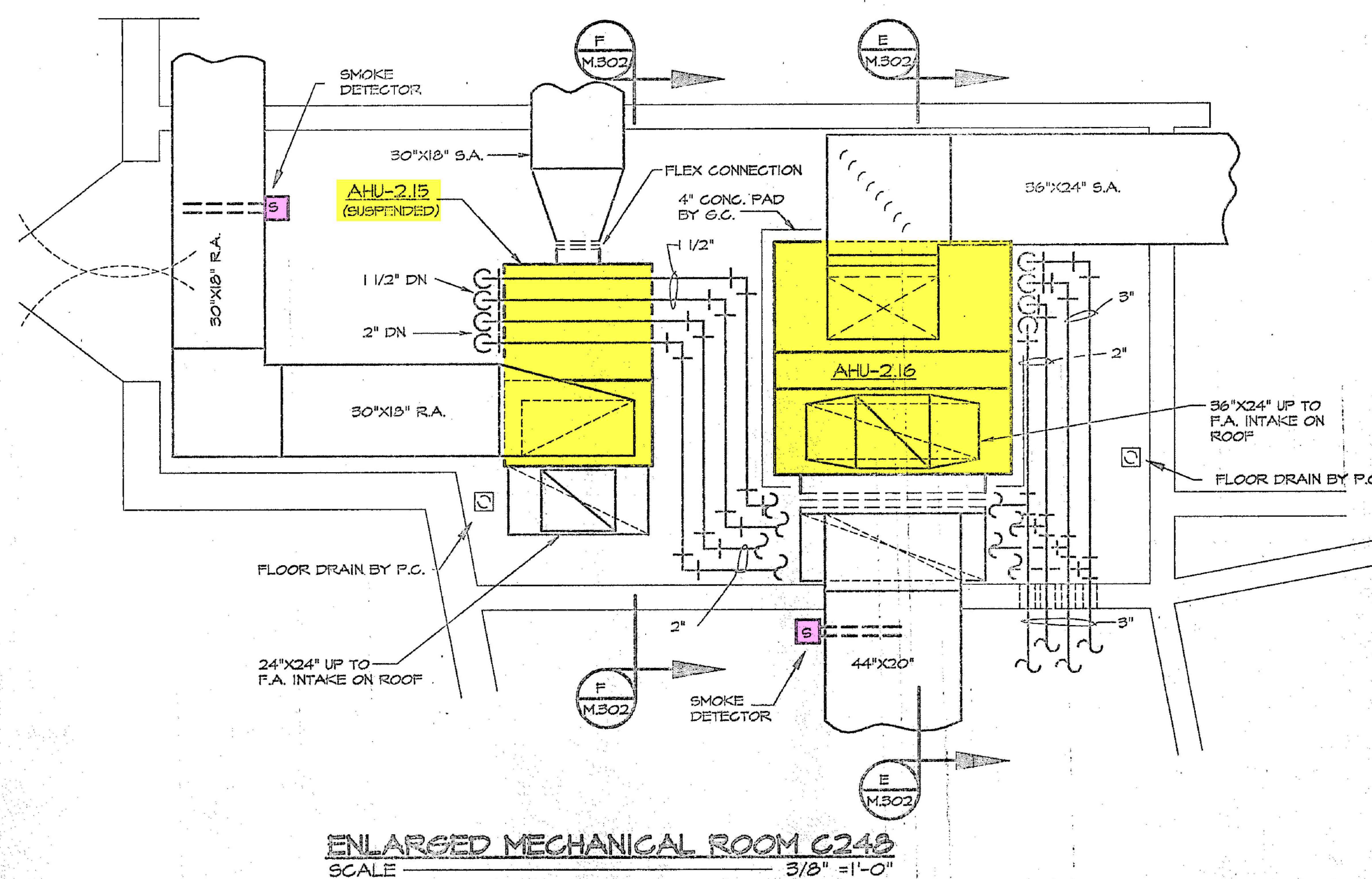
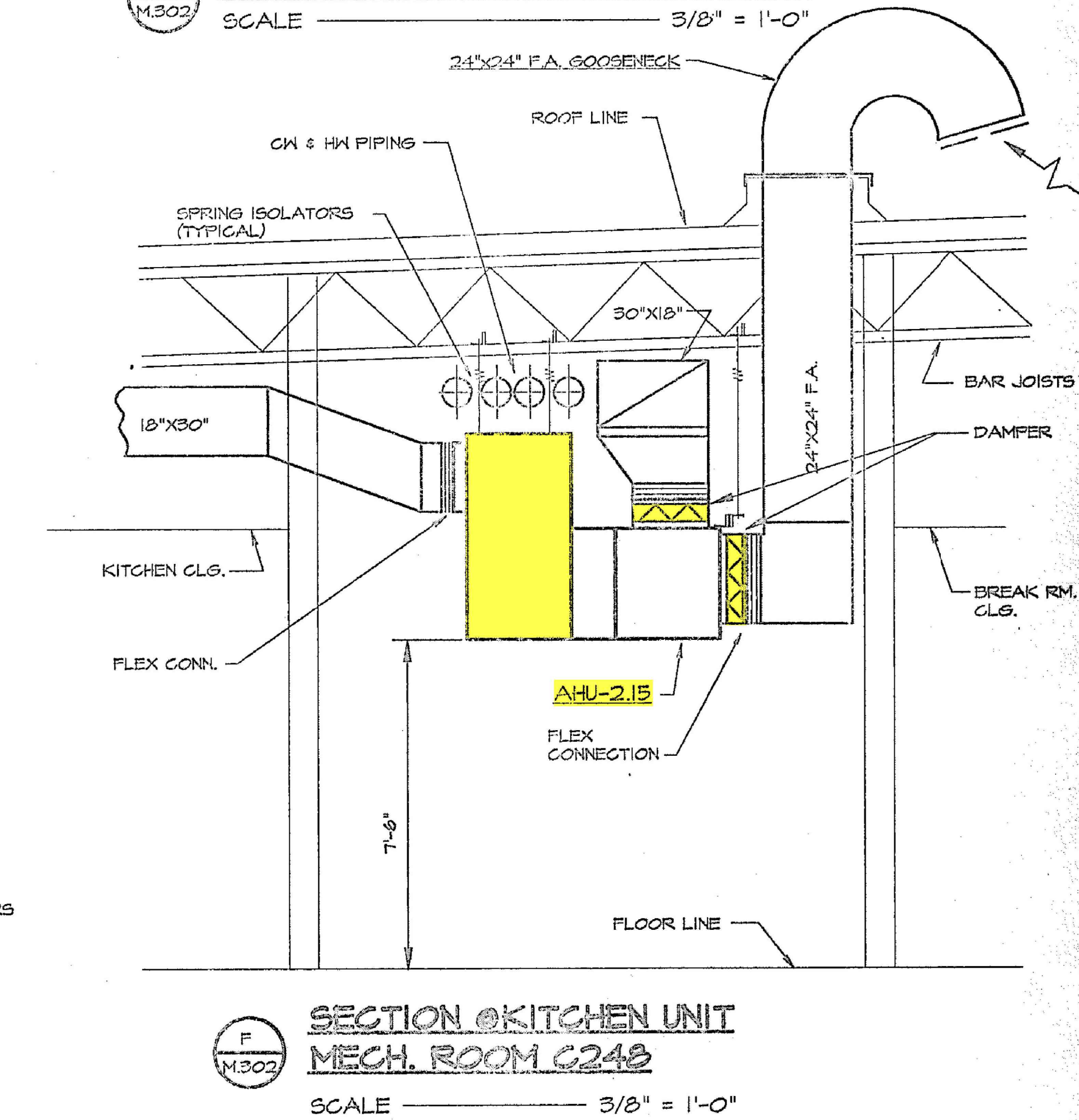
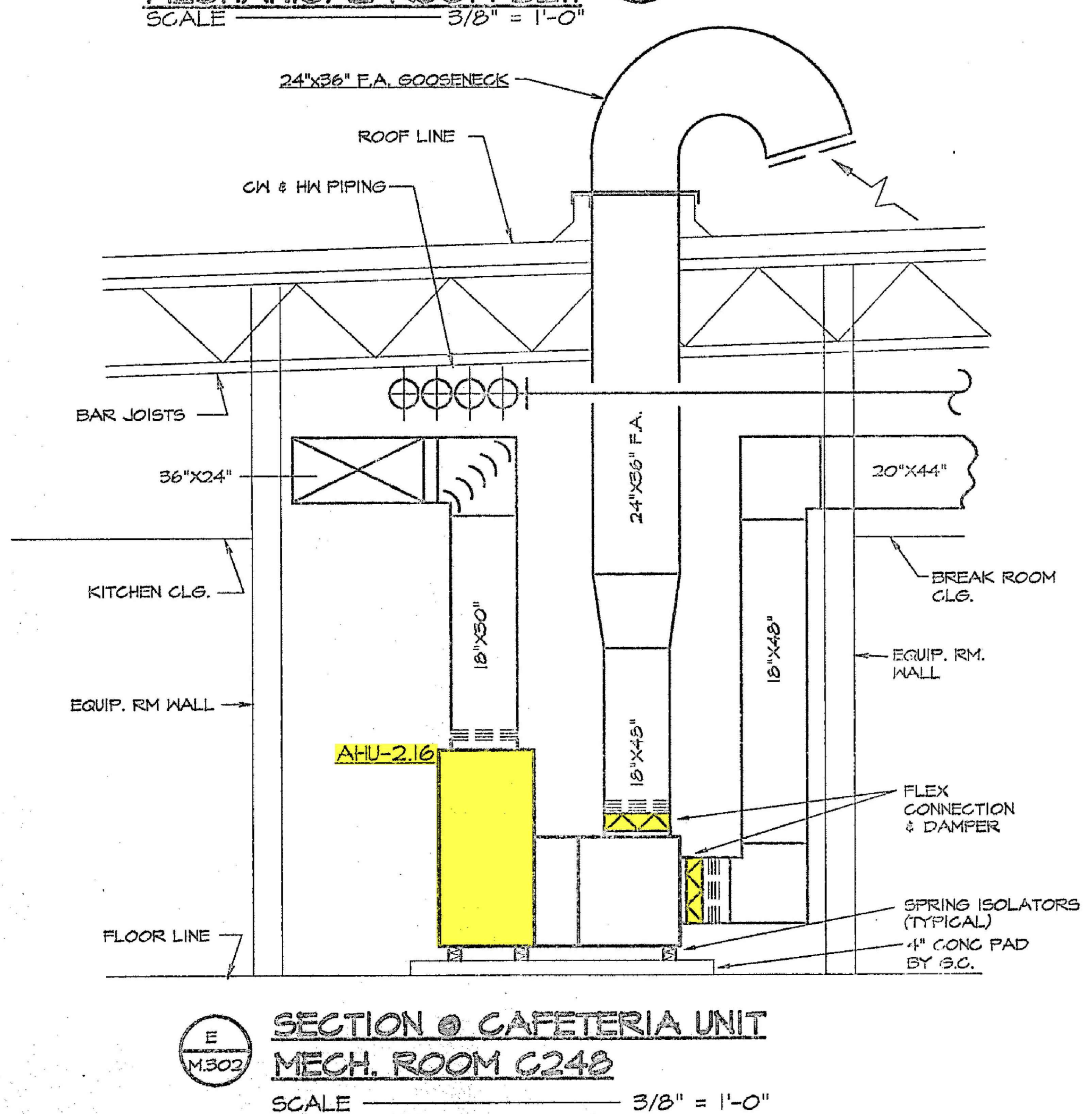
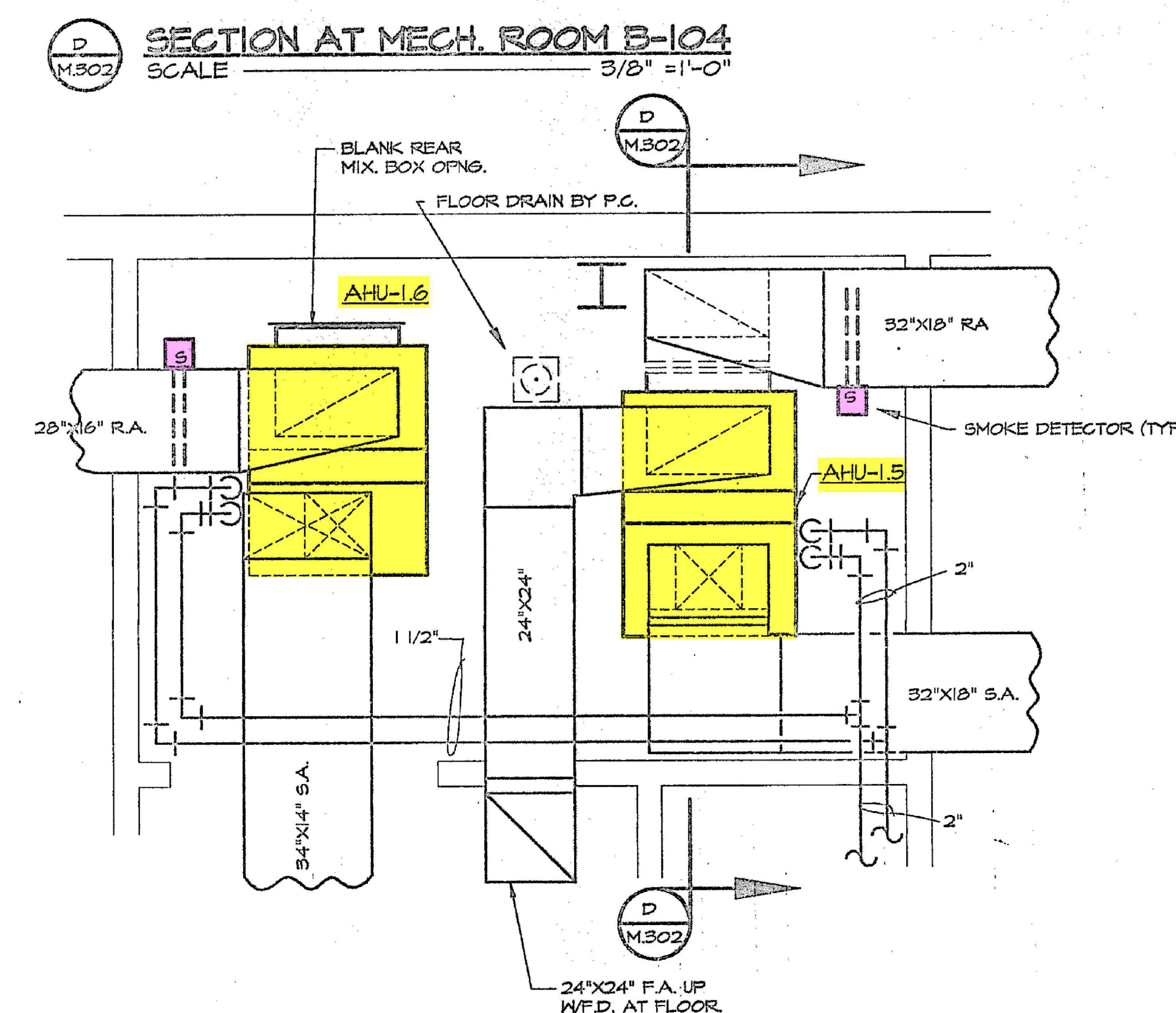
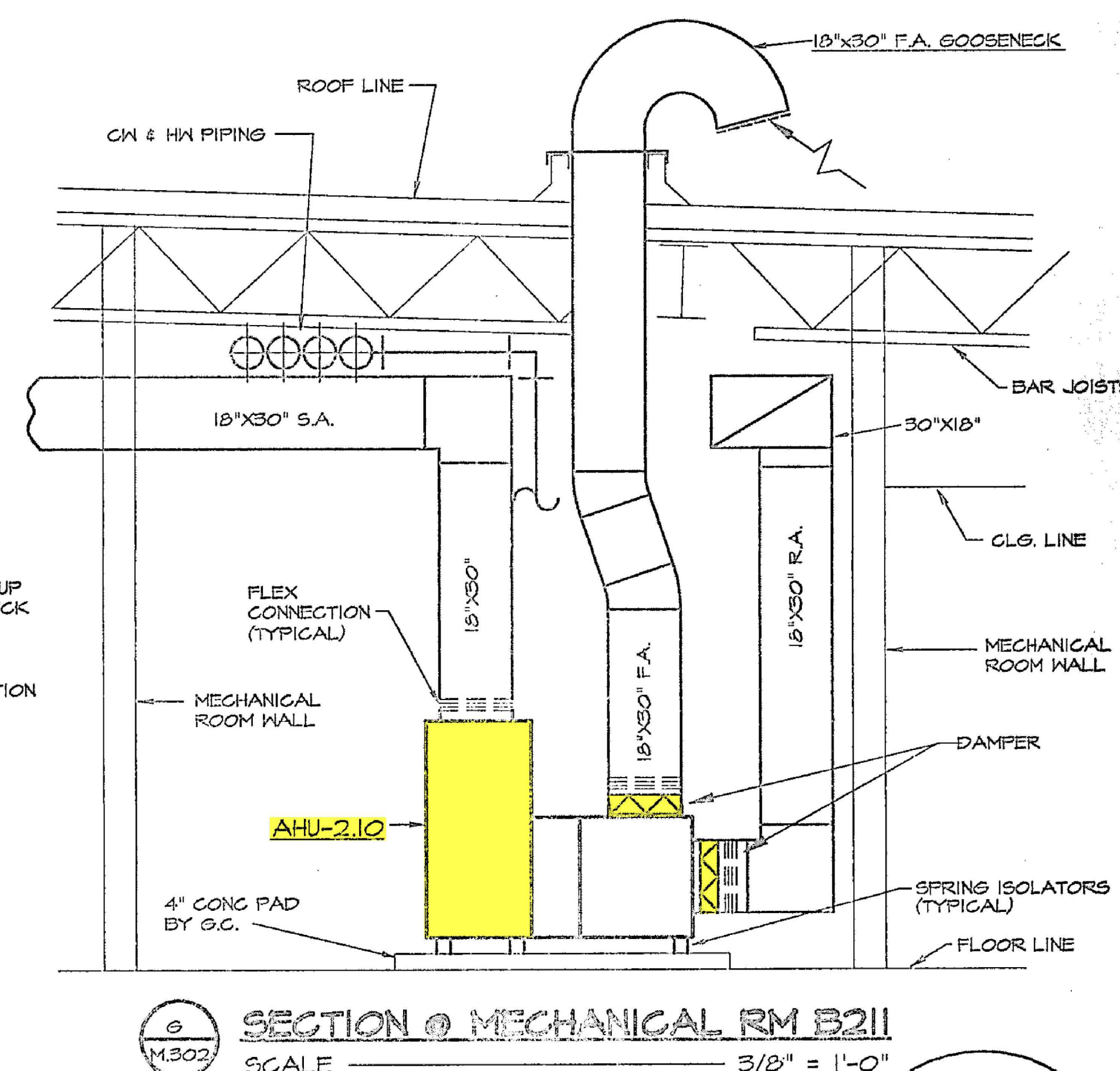
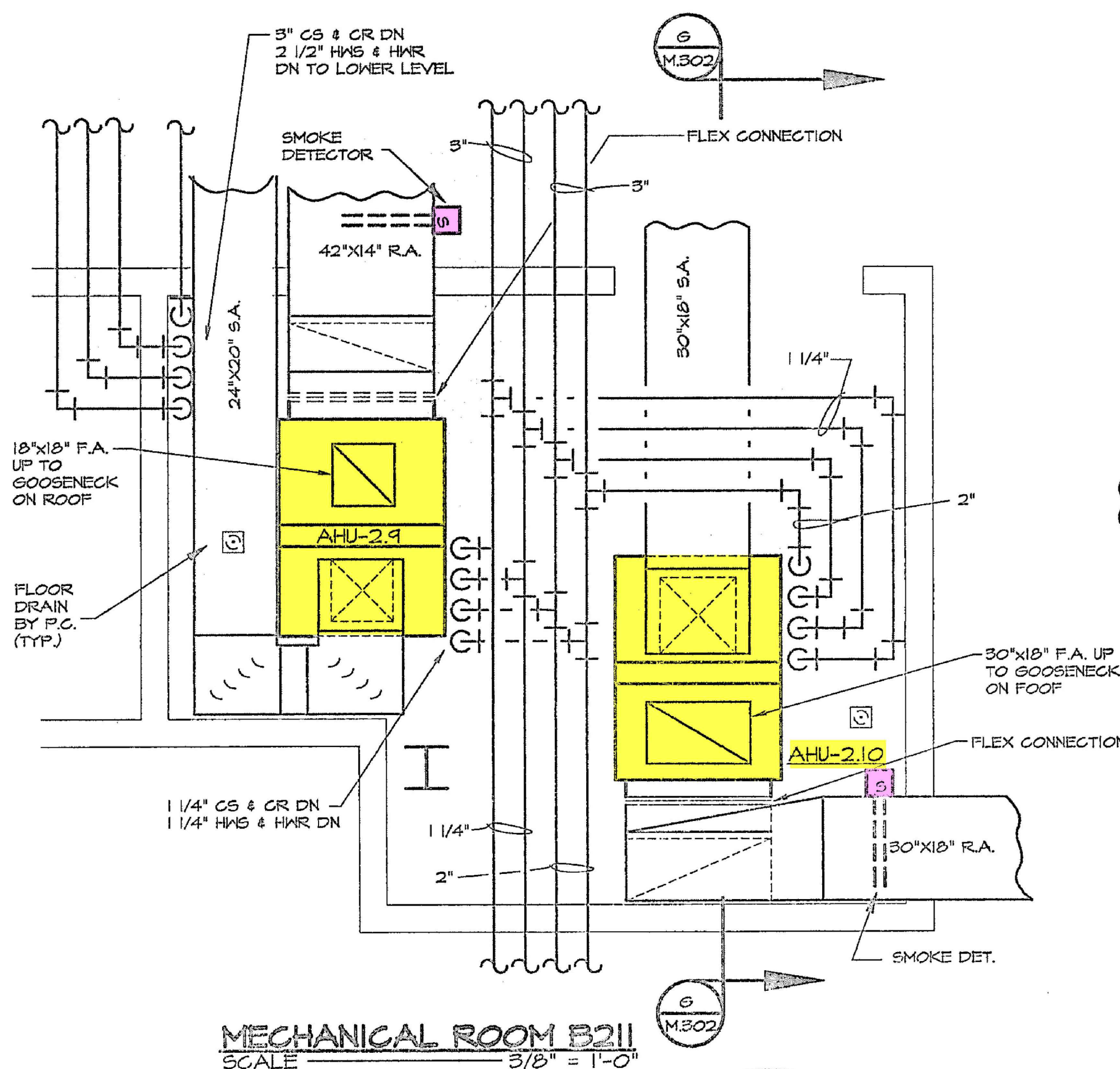
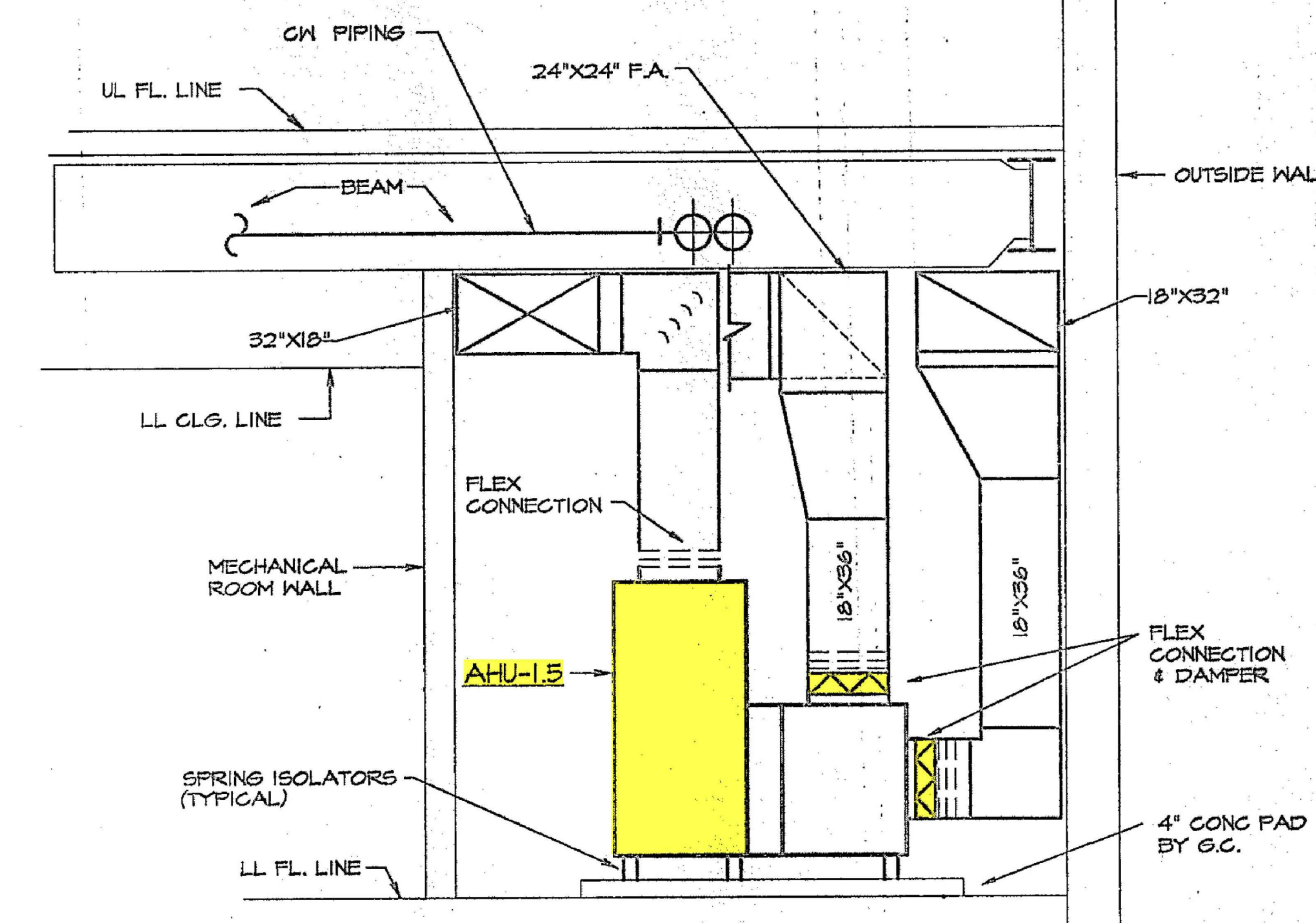
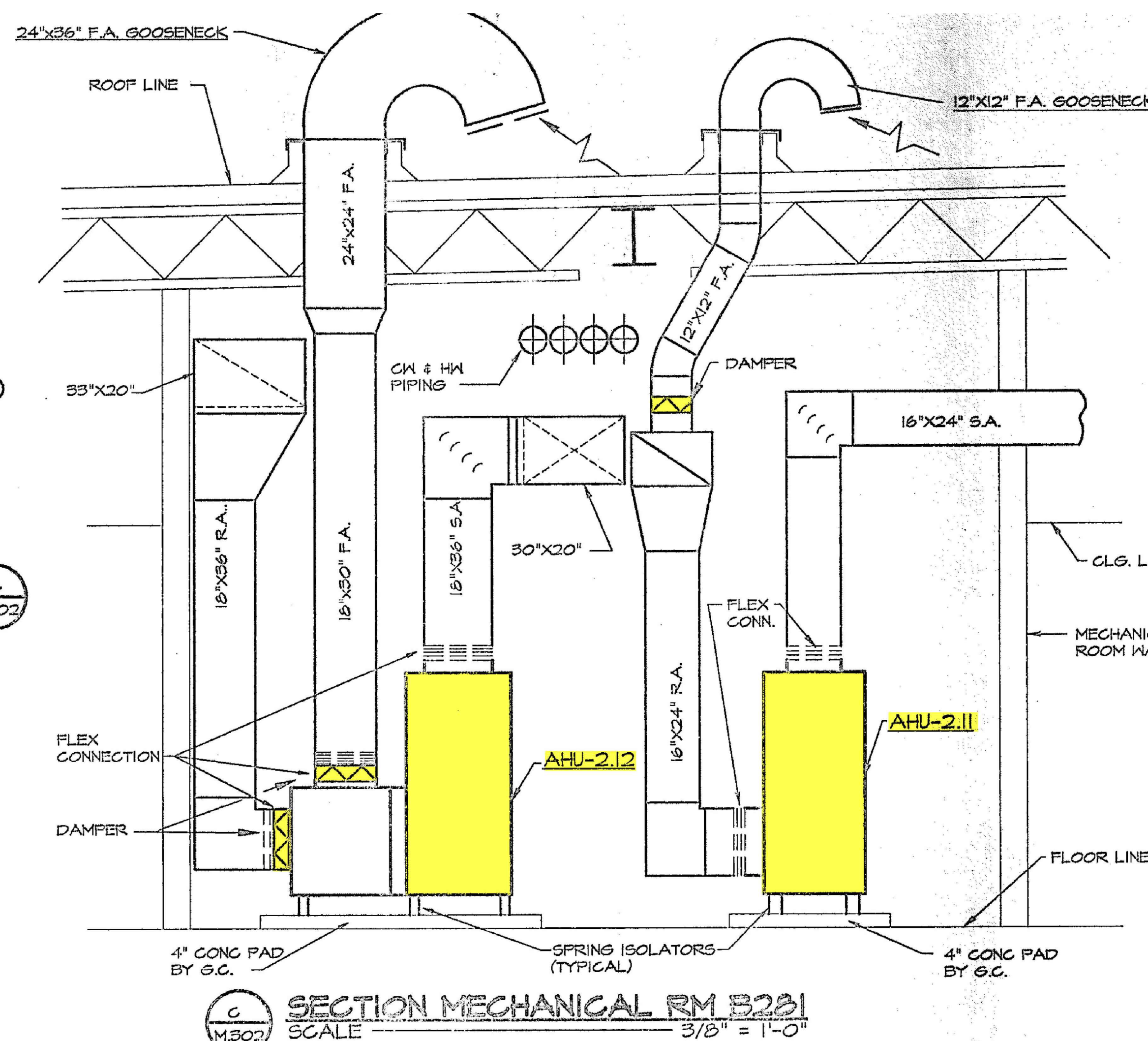
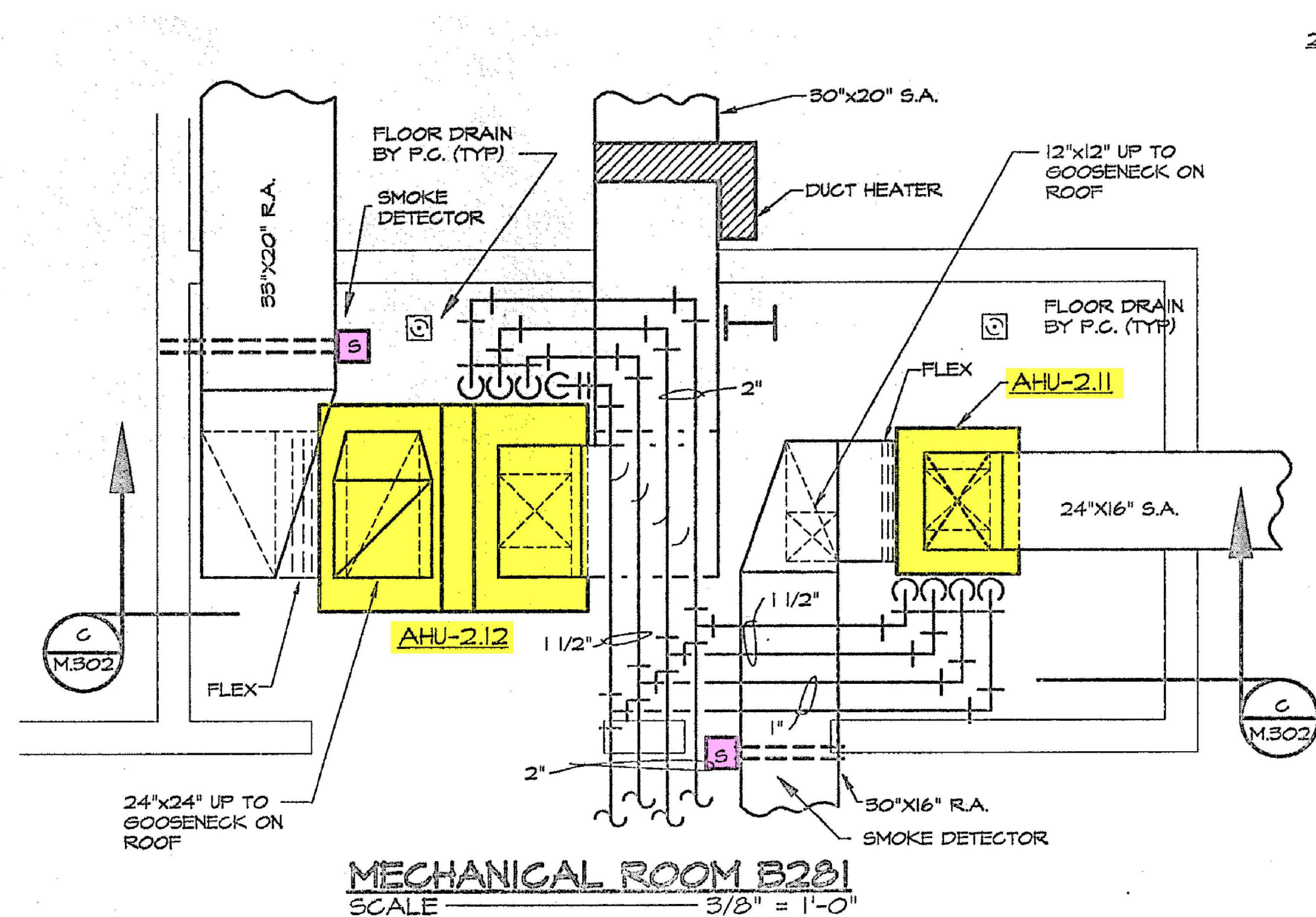
ENLARGED BOILER ROOM PLANS

ENLARGED ROOM C207-(2 PIPE BASE BID) 1/4"=1'-0" (02)

ENLARGED MECH. ROOM C207(4 PIPE ALT BID) 1/4"=1'-0" (01)

1 ENLARGED BOILER ROOM PLANS
 SCALE: 1/8"=1'-0"





ENLARGED PLANS & SECTIONS

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



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ENLARGED PLANS & SECTIONS

RM-302

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CHARLOTTE-MECKLENBURG SCHOOLS

IRWIN ACADEMIC CENTER

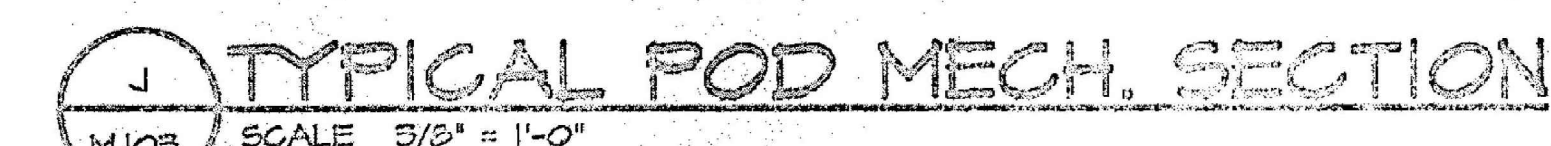
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329 N. IRWIN AVE.
CHARLOTTE, NC 28202

[illegible]ENLARGED PLANS
& SECTIONS

RM-303

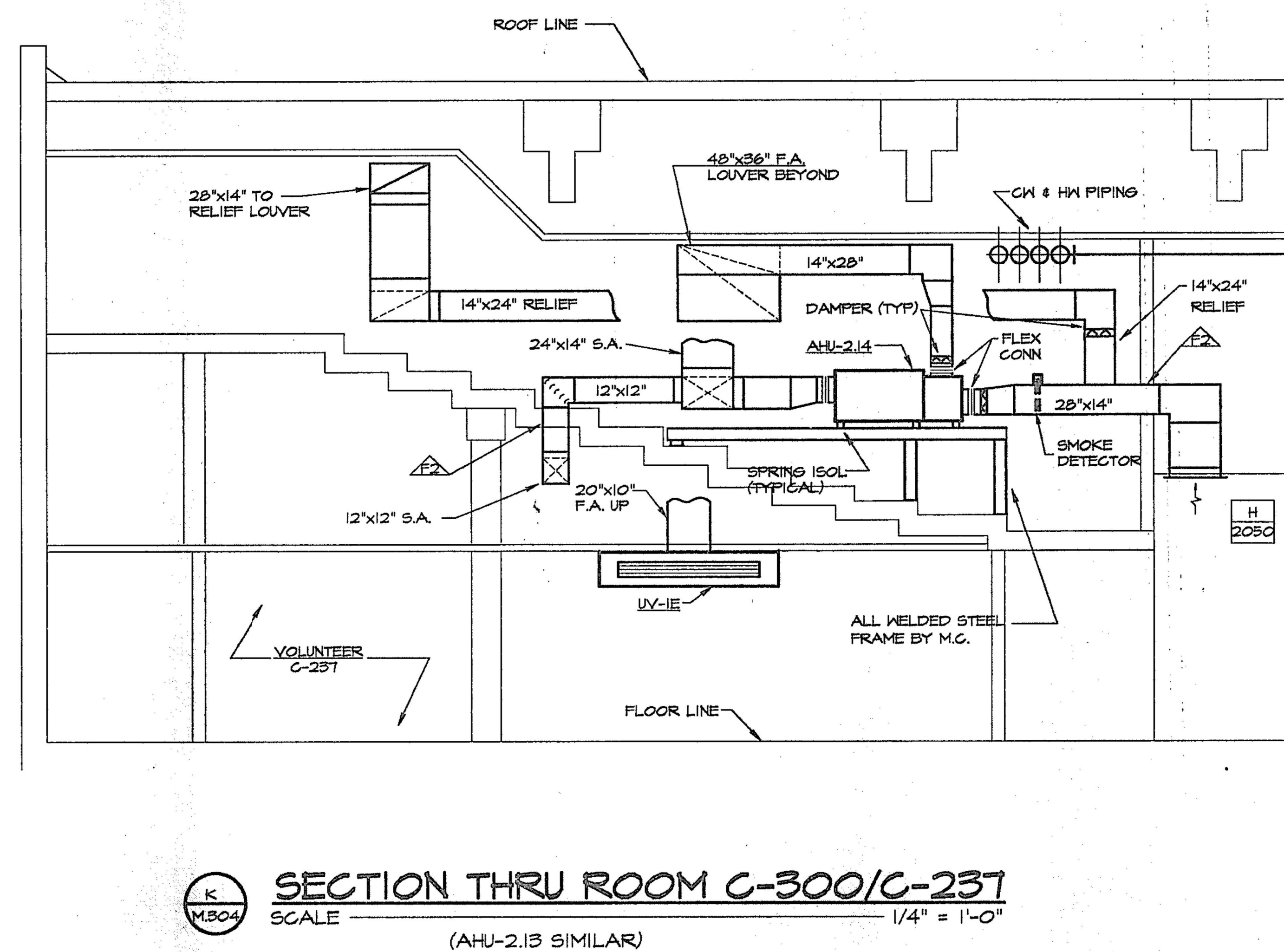
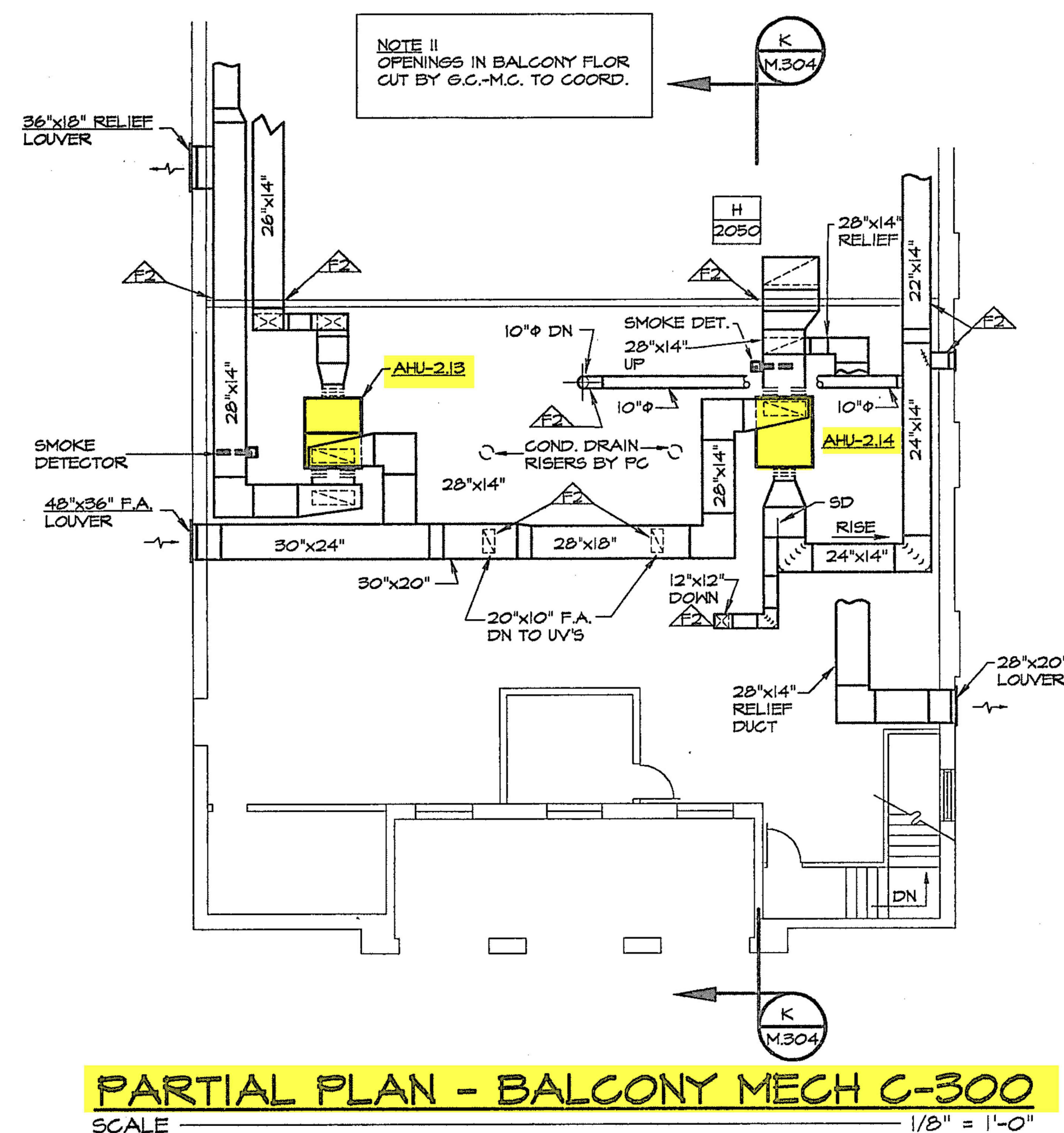
SHEET 16 OF 17



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PARTIAL PLAN
BALCONY MECH RM
& SECTIONS