

LOWER LEVEL PLAN - MECHANICAL DUCTWORK

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

0
2'
4'
8'

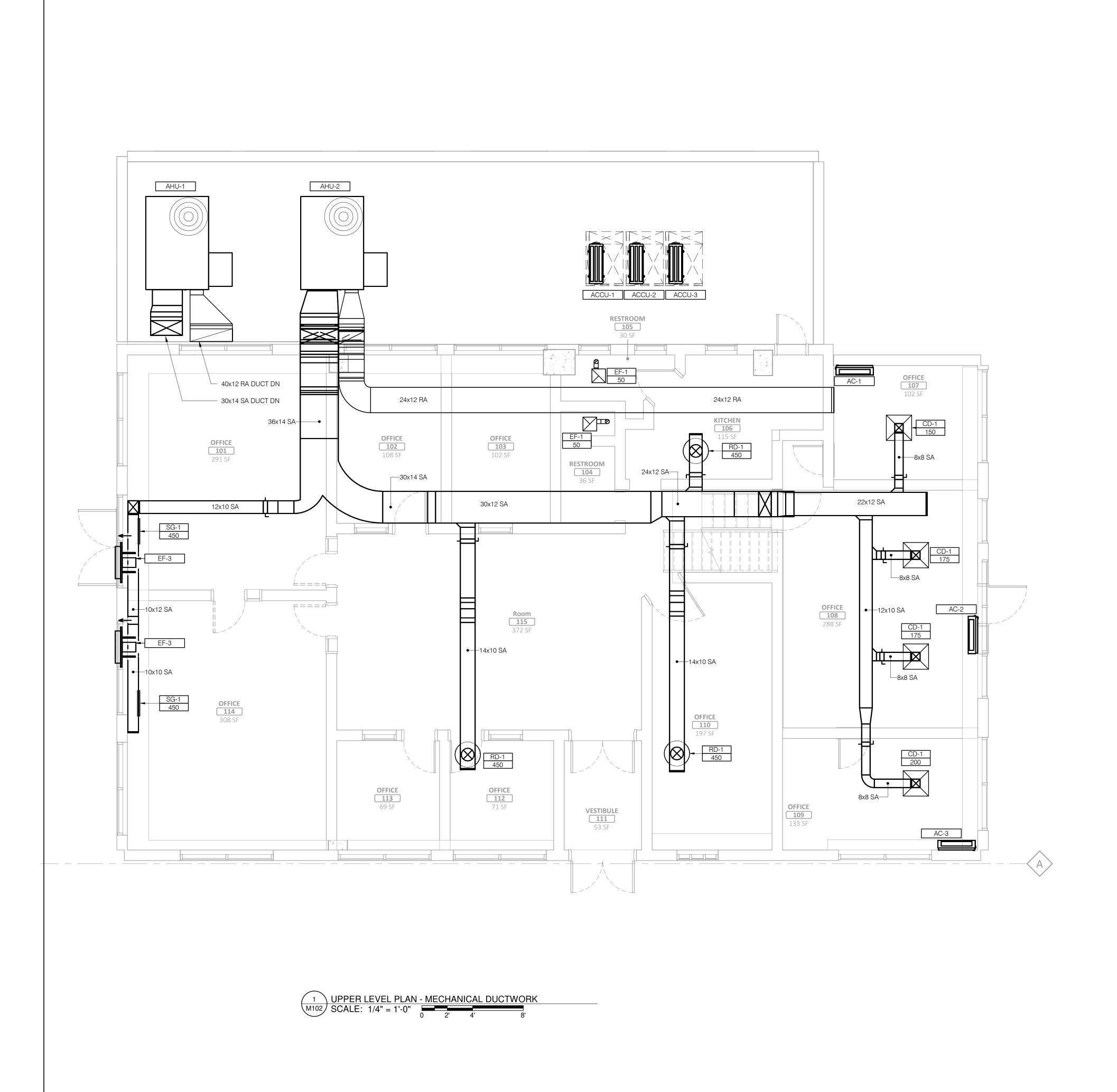
# GENERAL NOTES	
1. xx	1415 ELLIOT PLACE, NW SUITE 100 WASHINGTON, DC 20007 P: 202-393-1523 www.SETTYcom PROJECT NUMBER: SYY23001
# SHEET KEY NOTES	
1. XX	Setty DC Office

Setty DC Office
1415 Elliot Place, NW

ISSUES AND REVISIONS										
No.	Description	Date								

Drawn/CheckedAuthor / CheckerProject NumberSYY220001DC01Drawing DateDDBid DateBDPermit Date12/31/2023

LEVEL 1- MECHANICAL DUCTWORK



120 SA 14x12 SA 12x12 SA 12x12

MEZZANINE LEVEL PLAN - MECHANICAL DUCTWORK

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

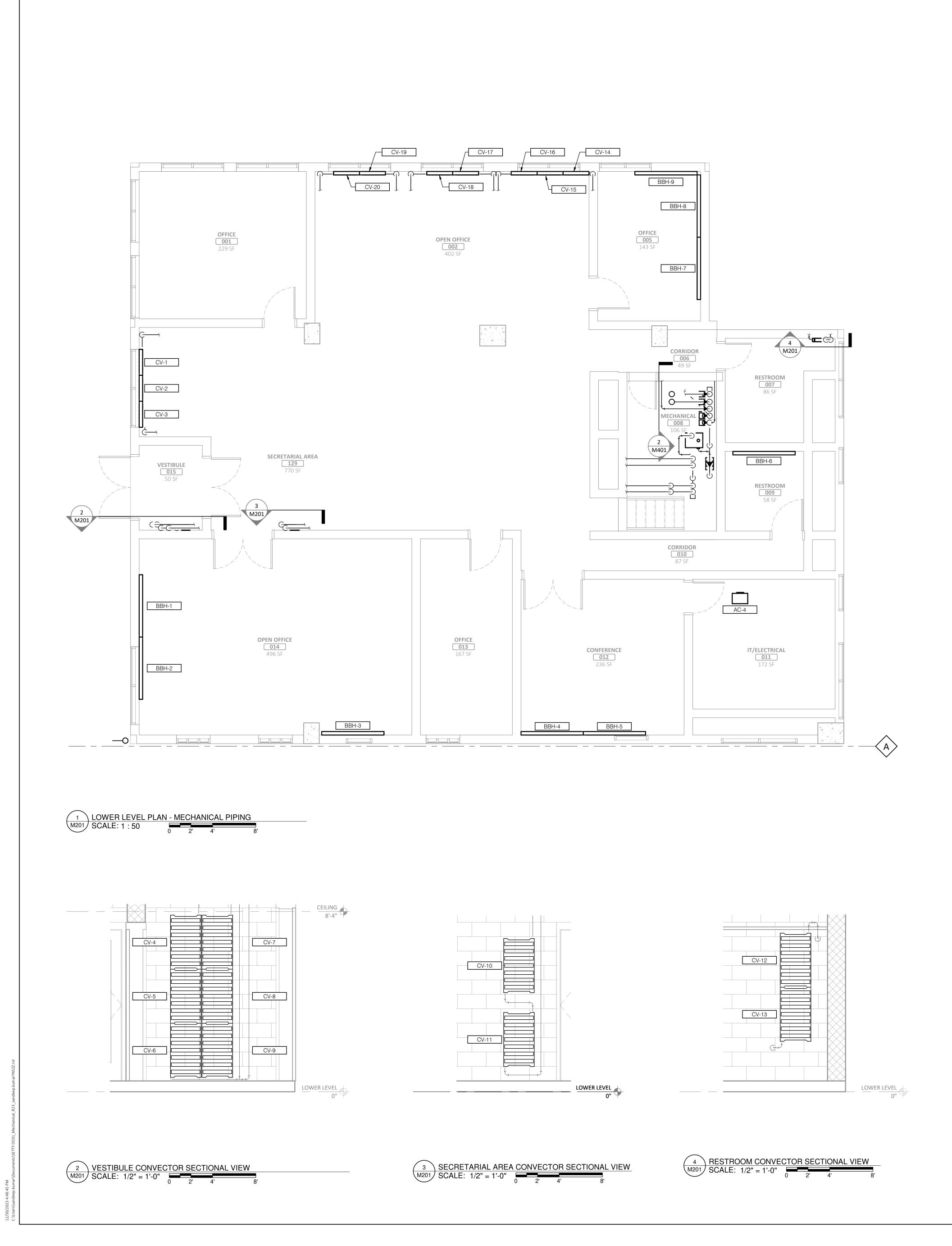
0
2'
4'
8'

GENERAL NOTES 1415 ELLIOT PLACE, NW SUITE 100
WASHINGTON, DC 20007
P: 202-393-1523
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PROJECT NUMBER: SYY23001 ⟨#⟩ SHEET KEY NOTES Setty DC Office 1415 Elliot Place, NW ISSUES AND REVISIONS

Drawn/Checked Author / Checker
Project Number SYY220001DC01
Drawing Date DD
Bid Date BD
Permit Date 12/31/2023

Description

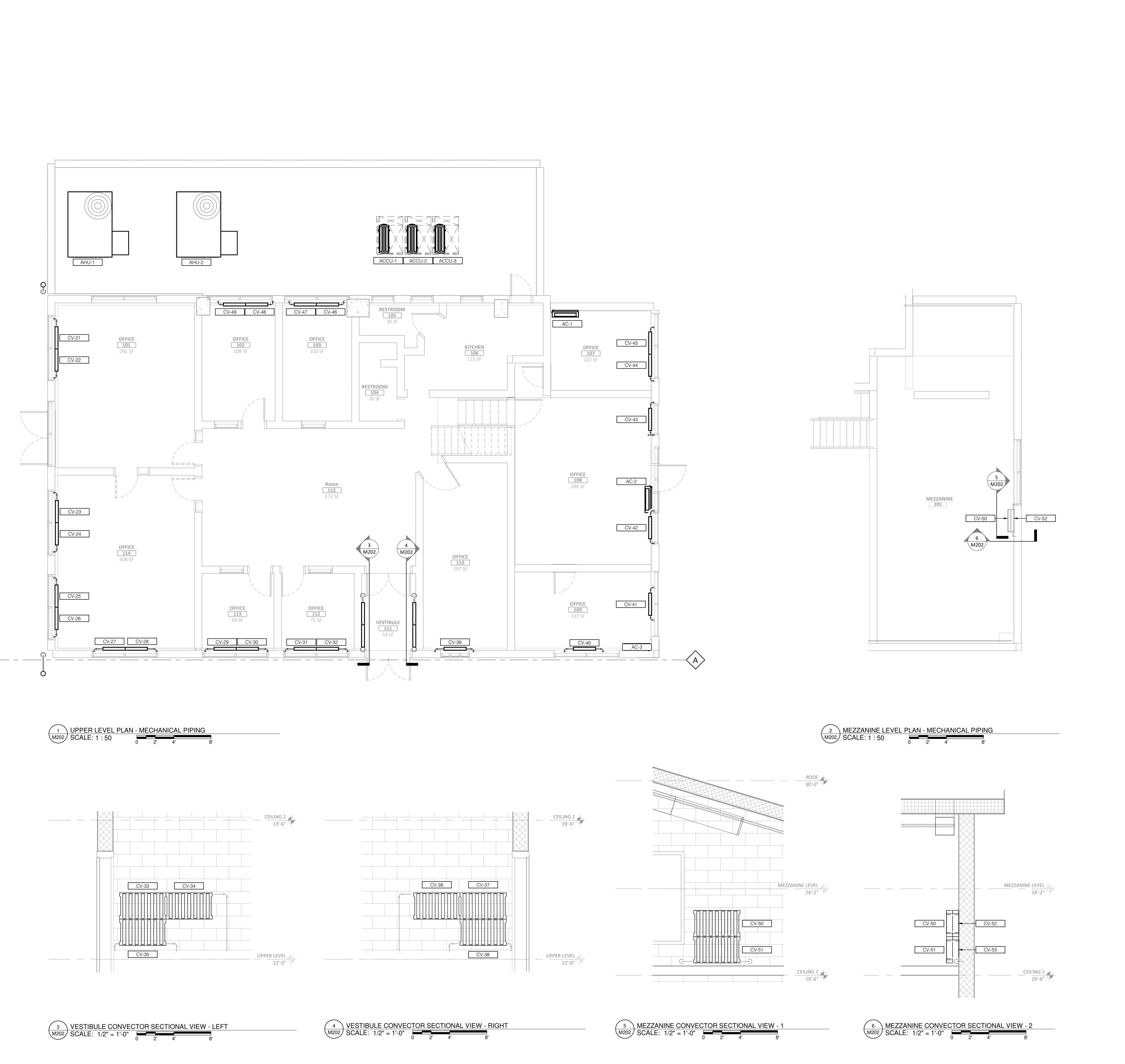
LEVEL 2 - MECHANICAL DUCTWORK



GENERAL NOTES (#) 1415 ELLIOT PLACE, NW SUITE 100
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PROJECT NUMBER: SYY23001 ⟨#⟩ SHEET KEY NOTES Setty DC Office 1415 Elliot Place, NW ISSUES AND REVISIONS Description Author / Checker Drawn/Checked SYY220001DC01 Project Number Drawing Date Bid Date Permit Date 12/31/2023 LEVEL 1 - MECHANICAL PIPING

ORIGINAL DRAWING SIZE IS 30"x 42"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

M SHEET NO. 04 OF 08



GENERAL NOTES

1. XX

⟨#⟩ SHEET KEY NOTES

1. XX

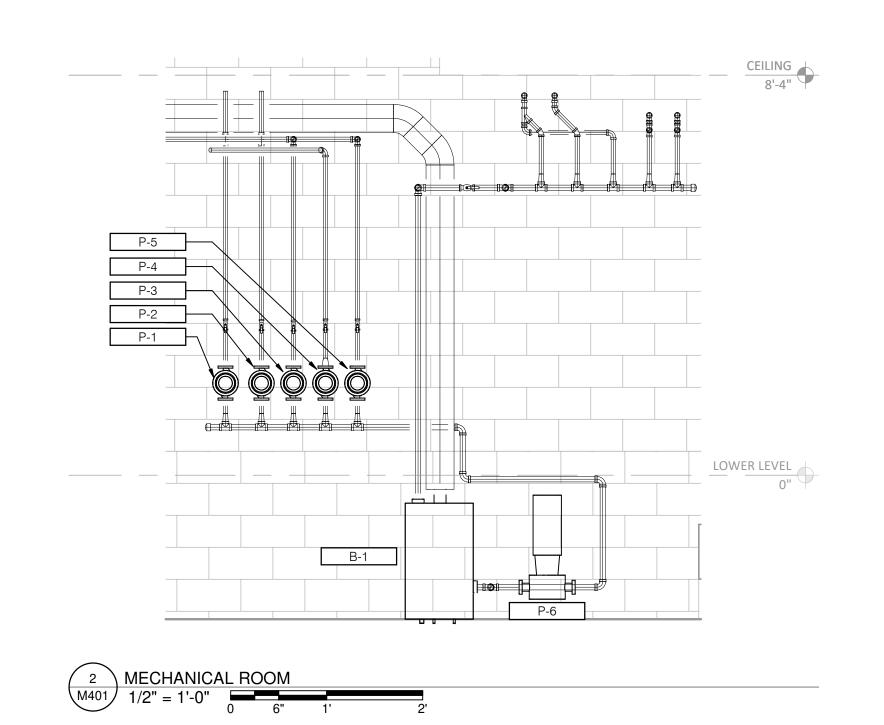
Setty DC Office
1415 Elliot Place, NW

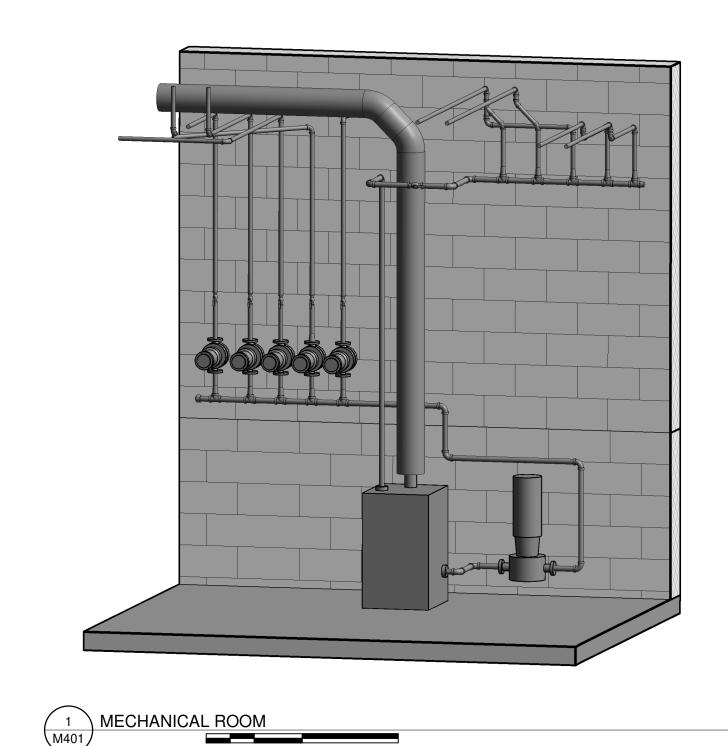
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	ISSUES AND REVISIONS								
No.	Description	Date							
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Drawn/Checked Author / Checker
Project Number SYY220001DC01
Drawing Date DD
Bid Date BD
Permit Date 12/31/2023

LEVEL 2 - MECHANICAL PIPING







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1415 Elliot Place, NW

ISSUES AND REVISIONS									
Description	Date								

Drawn/CheckedAuthor / CheckerProject NumberSYY220001DC01Drawing DateDDBid DateBDPermit Date12/31/2023

MECHANICAL SECTION
PLAN

	CONVE	CTORS SCH	EDULE	
OmniClass Number	OmniClass Title	Mark	Comments	Fixture Location
23.33.15.21.13	Finned Tube Radiators	CV-1	CONVECTORS	129 - SECRETARIAL AREA
23.33.15.21.13	Finned Tube Radiators	CV-2	CONVECTORS	129 - SECRETARIAL AREA
23.33.15.21.13	Finned Tube Radiators	CV-3	CONVECTORS	129 - SECRETARIAL AREA
23.33.15.21.13	Finned Tube Radiators	CV-4	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-5	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-6	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-7	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-8	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-9	CONVECTORS	015 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-10	CONVECTORS	129 - SECRETARIAL AREA
23.33.15.21.13	Finned Tube Radiators	CV-11	CONVECTORS	129 - SECRETARIAL AREA
23.33.15.21.13	Finned Tube Radiators	CV-12	CONVECTORS	007 - RESTROOM
23.33.15.21.13	Finned Tube Radiators	CV-13	CONVECTORS	007 - RESTROOM
23.33.15.21.13	Finned Tube Radiators	CV-14	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-15	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-16	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-17	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-18	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-19	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-20	CONVECTORS	002 - OPEN OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-21	CONVECTORS	101 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-22	CONVECTORS	101 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-23	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-24	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-25	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-26	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-27	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-28	CONVECTORS	114 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-29	CONVECTORS	113 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-30	CONVECTORS	113 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-31	CONVECTORS	112 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-32	CONVECTORS	112 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-33	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-34	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-35	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-36	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-37	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-38	CONVECTORS	111 - VESTIBULE
23.33.15.21.13	Finned Tube Radiators	CV-39	CONVECTORS	110 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-40	CONVECTORS	109 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-41	CONVECTORS	109 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-42	CONVECTORS	109 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-43	CONVECTORS	109 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-44	CONVECTORS	107 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-45	CONVECTORS	107 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-46	CONVECTORS	103 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-47	CONVECTORS	103 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-48	CONVECTORS	102 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-49	CONVECTORS	102 - OFFICE
23.33.15.21.13	Finned Tube Radiators	CV-50	CONVECTORS	201 - MEZZANINE
23.33.15.21.13	Finned Tube Radiators	CV-52	CONVECTORS	201 - MEZZANINE

	AHU SCHEDULE																			
OmniClass Number	OmniClass Title	Mark	Fuel Type	Internal Efficiency (%)	Max External Static Pressure	CFM (nominal)	Heating Input Max.	cooling	Heating Output Capacity	EER	COMPRESSOR C	COMPRESSOR A RLA	COMPRESSOR B LRA	COMPRESSOR B RLA	FLA	Frequency	Phase	Voltage	Manufacturer	Model
23.33.39.17.13.11	Air Cooled Single Pack Packaged Air Conditioners	AHU-1	NATURAL GAS	82	1" W.C	0 CFM	224000 BTU/Hr	140000 BTU/Hi	r 184000 BTU/Hr	10.8	123	19.0	149	22.4	10	60 Hz	3	208 V	Carrier	48TC
23.33.39.17.13.11	Air Cooled Single Pack Packaged Air Conditioners	AHU-2	NATURAL GAS	82	1" W.C	0 CFM	224000 BTU/Hr	140000 BTU/Hi	r 184000 BTU/Hr	10.8	123	19.0	149	22.4	10	60 Hz	3	208 V	Carrier	48TC

OmniClass Title

HYDRONIC PUMP SCHEDULE								
OmniClass Number	OmniClass Title	Mark						
23.27.17.13	Centrifugal Pumps	P-1						
23.27.17.13	Centrifugal Pumps	P-2						
23.27.17.13	Centrifugal Pumps	P-3						
23.27.17.13	Centrifugal Pumps	P-4						
23.27.17.13	Centrifugal Pumps	P-5						
23.27.17.13	Centrifugal Pumps	P-6						

BOILER SCHEDULE

OmniClass Number OmniClass Title Mark Manufacturer 23.33.11.13 Condensing Boilers B-1 US BOILER

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

OmniClass Number OmniClass Title Mark Manufacturer

Condenser Units

Refrigeration

Condenser Units

Refrigeration

ACCU-1 Mitsubishi Electric

ACCU-2 Mitsubishi Electric

ACCU-3 Mitsubishi Electric

23.33.43.15

23.33.43.15

23.33.43.15

SPLIT SYSTEM INDOOR UNIT SCHEDULE

OmniClass Title Mark Manufacturer

Split System Air Conditioning AC-1 Mitsubishi Electric

Split System Air Conditioning AC-2 Mitsubishi Electric

Split System Air Conditioning AC-3 Mitsubishi Electric

OmniClass Number

23.33.49.11.11

23.33.49.11.11

23.33.49.11.11

23.33.49.11.11

23.33.49.23.13

23.33.49.23.13

23.33.49.23.13

23.33.49.23.15

OmniClass Number

23.33.39.21

23.33.39.21

23.33.39.21

	EXHUAST FAN SCHEDULE												
OmniClass Number	OmniClass Title	Comments	Mark	Туре	Max Flow	Min Flow	Mech System Typology M	Mech_Pressure Drop	Voltage	Phase	Frequency	Manufacturer	Model
23.33.31.19.11.15	Ceiling Fans	CEILING EXHAUST FAN	EF-1	50 CFM	110 CFM	50 CFM	DIRECT	0.30 in-wg	120 V	1	60 Hz	PANASONIC	FV-0511VK2
23.33.31.19.11.15	Ceiling Fans	CEILING EXHAUST FAN	EF-2	90 CFM	114 CFM	80 CFM	DIRECT	0.30 in-wg	120 V	1	60 Hz	GREENHECK	SP-A 190

							PR	OPELLER EXH	AUST FAN								
OmniClass Number	OmniClass Title	Mark	Motor Speed	Fan Wheel Speed	Drive Type	Actual Discharge Position	Config External Static Pressure	Config Total Air Flow	Config Total Static Pressure	Inlet Sones	Phase Number	Voltage	Motor FLA	Frequency	Model	Manufacturer	Comments
23.33.31.19.11.17	Propeller Fans	EF-3	1160	0	DIRECT	HORIZONTAL - EXHAUST	0.00 in-wg	0 CFM	0.00 in-wg	28	3	460 V	0 A	0 Hz	AER-E30C-622-B20	GREENHECK	PROPELLER FAN

23.33.15.21.13

23.33.15.21.13

23.33.15.21.13

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23.33.15.21.13

23.33.15.21.13

Finned Tube Radiators

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Ceiling Ventilation Diffusers	CD-1	175 CFM	0.85 in-wg	8Ø	Titus	3FL-NT	AIR DEVICE	O _{II}	0"	0
Ceiling Ventilation Diffusers	CD-2	325 CFM	0.85 in-wg	10Ø	Titus	3FL-NT	AIR DEVICE	O"	0"	0
Ceiling Ventilation Diffusers	CD-3	380 CFM	0.85 in-wg	10Ø	Titus	3FL-NT	AIR DEVICE	0"	0"	0
Ceiling Ventilation Diffusers	RD-1	450 CFM	0.85 in-wg	12Ø	Generic	TMR	AIR DEVICE	O"	0"	0
Return Air Grilles	RG-1	3500 CFM	0.85 in-wg	24x12	Titus	3FL-NT	AIR DEVICE	0"	0"	0
Return Air Grilles	RG-2	150 CFM	0.85 in-wg	8x8	Titus	PAR-AA	AIR DEVICE	O"	0"	0
Return Air Grilles	RG-3	150 CFM	0.85 in-wg	40x12	Titus	PAR-AA	AIR DEVICE	0"	0"	0
Supply Air Grilles	SG-1	450 CFM	0.85 in-wg	24x10	Titus	3FL-NT	AIR DEVICE	0"	0"	0
					BAS	EBOARD HE	EATER			
	OmniClass Numbe	r	OmniClass Title		Mark		Commen	its	Fixture Loc	ation
	23.33.15.21.13	Fir	nned Tube Radiators		BBH-1		BASEBOARD H	HEATER	014 - OFF	-ICE
	23.33.15.21.13	Fir	nned Tube Radiators		BBH-2		BASEBOARD H	HEATER	014 - OFF	-ICE

BASEBOARD HEATER

Throw at Maximum Throw at Minimum Design Air

Noise Criteria

014 - OFFICE

012 - CONFERENCE

012 - CONFERENCE 009 RESTROOM

005 - OFFICE

005 - OFFICE

005 - OFFICE

AIR DEVICE SCHEDULE

Manufacturer

WASHINGTON, DC 20007 P: 202-393-1523 www.**SETTY**com PROJECT NUMBER: SYY23001

Setty DC Office 1415 Elliot Place, NW

ISSUES AND REVISIONS								
No.	Description	Date						
		•						

Drawn/Checked Author / Checker Project Number SYY220001DC01 Drawing Date Bid Date Permit Date 12/31/2023

MECHANICAL SCHEDULES

