

NOTES :-

- 1. UNIT SHALL HAVE TEN YEAR EXTENDED WARRANTY FOR COMPRESSORS/PARTS.
- 2. PROVIDE COMPRESSOR CYCLE PROTECTOR.
- 3. CONTRACTOR SHALL PROVIDE A LONG LINE SET FOR REFRIGERANT PIPING IN THE EVENT THAT TOTAL REFRIGERANT LENGTH EXCEED THE MANUFACTURER'S STANDARD RECOMMENDED LENGTH.
- 4. REFRIGERANT EQUIPMENT'S TO BE LOCATED WITH PROPER CLEARANCES AND MUST PREVENT RE-CIRCULATION OF AIR. COORDINATE WITH MANUFACTURER AND ARCHITECT.
- 5. HEAT PUMP UNIT SHALL NOT PRODUCE NOISE LEVELS IN EXCESS OF 42 DECIBELS FOR A SINGLE AIR CIRCULATING DEVICE AND 45 DECIBELS FOR THE CUMULATIVE NOISE LEVEL OF MULTIPLE NEARBY AIR HANDLING UNITS.

VRF INDOOR UNIT SCHEDULE																		
TAG	AREA SERVED	STATUS	TYPE	CAPACITY (TON)	QUANTITY	NOMINAL COOLING CAPACITY (MBH)	NOMINAL HEATING CAPACITY (MBH)	SUPPLY AIRFLOW (CFM)	OA AIRFLOW (CFM)	ELECTRICAL DATA			DIMENSIONS (WxDxH) (IN.)		REFRIGERANT PIPE SIZE (IN.) LIQUID SUCTION	WEIGHT (LBS.)	MANUFACTURER	MODEL NO.
										V	P / Hz	MCA	MOCP	Liquid	Suction			
AC-1(N) TO AC-5(N)	SEE PLAN	NEW	CEILING CASSETTE	0.5	5.0	6.7	6.7	494	50 EACH	208/1/60	0.24	15	33 x 33 x 10	1/4	1/2	46.0	MITSUBISHI (OR EQUIVALENT)	PLFY-EM06NEMU-(OR EQUIVALENT)
AC-6(N)	SEE PLAN	NEW	CEILING CASSETTE	4.0	1.0	48.0	54.0	1236	130	208/1/60	1.26	15	33 x 33 x 12	3/8	5/8	57.0	MITSUBISHI (OR EQUIVALENT)	PLFY-EM48NEMU-(OR EQUIVALENT)
AC-7(N) TO AC-8(N)	SEE PLAN	NEW	CEILING CONCEALED	4.0	2.0	48.0	54.0	1306	320 EACH	208/1/60	3.38	15	55 x 29 x 10	3/8	5/8	86.0	MITSUBISHI (OR EQUIVALENT)	PEFY-M48NMAU-(OR EQUIVALENT)

NOTES :-

1. SUPPLY AIR CFM BASED ON HIGH SPEED.
2. REFRIGERANT R32 SHALL BE PROVIDED.
3. PROVIDE ALL ASSOCIATED ACCESSORIES.
4. ALL REFRIGERANT PIPING TO BE SIZED AS PER MANUFACTURERS RECOMMENDATIONS.
5. CONTRACTOR SHALL PROVIDE A LONG LINE SET FOR REFRIGERANT PIPING IN THE EVENT THAT TOTAL REFRIGERANT LENGTH EXCEEDS THE MANUFACTURER'S STANDARD RECOMMENDED LENGTH. CONTRACTOR TO FIELD VERIFY THE EXACT TOTAL REFRIGERANT LENGTH AND COORDINATE WITH THE MANUFACTURER FOR ORDERING UNIT.
6. PROVIDE DISCONNECT SWITCH.

HHS-1(N) & HHS-2(N) SEE PLAN 2 115/1/60 15 CORR
NOTES:
1. INSTALL UNIT AS PER MANUFACTURER'S RECOMMENDATION.
2. PROVIDE DISCONNECT SWITCH.
3. PROVIDE WITH ALL REQUIRED ACCESSORIES.
4. PROVIDE WITH 15' GFM PORTABLE GROUND WATER SUPPLY AND NEARBY DRAIN CONNECTION.

ELECTRONIC CEILING-MOUNT SMOKE EATER								
TAG	AREA SERVED	QUANTITY	WEIGHT (LBS)	ELECTRICAL DATA			BASIS OF DESIGN	REMARK
				V/PH	HZ	MOCP		
ESE-1(N) & ESE-2(N)	SEE PLAN	2	64	115/1	/60	34	PURE AND NATURAL SYSTEMS	CASE 1000 1,2,3

NOTES: _____

MECHANICAL FAN SCHEDULE										
TAG	AREA SERVED	ELECTRIC DATA					MAXIMUM LOUDNESS SONES	BASIS OF DESIGN		REMARK
		FLOW RATE	STATIC PRESSURE EXTERNAL IN W.G.	SPEED RPM	HP	V/PH/HZ		MANUFACTURER	MODEL	
OAF-1(N)	SEE PLAN	1240	1.0	1713	0.5	208/1/60	4.0	13.2	GREENHECK	SQ-12-M2-VG
EF-1(N)	SEE PLAN	1200	1.0	1592	0.5	208/1/60	4.0	10.3	GREENHECK	SQ-120-VG

NOTES:

1. INTERCONNECT WITH AC-7(N) & AC-8(N). REFER TO ELECTRICAL LIGHTING PLAN.
2. PROVIDE FACTOR MOUNTED AND INSTALLED DISCONNECT
3. PROVIDE THERMAL OVERLOAD PROTECTION, AMCA SEAL AND UL CERTIFIED, SPEED CONTROLLER.
4. INTERCONNECT WITH AC-1(N) TO AC-8(N). REFER TO ELECTRICAL LIGHTING PLAN.
5. PROVIDE MERV-8 FILTER.
6. PROVIDE BACKDRAFT DAMPER.

NOTES:

1. INTERCONNECT WITH AC-7(N) & AC-8(N). REFER TO ELECTRICAL LIGHTING PLAN.
2. PROVIDE FACTORY MOUNTED AND INSTALLED DISCONNECT
3. PROVIDE THERMAL OVERLOAD PROTECTION, AMCA SEAL AND UL CERTIFIED, SPEED CONTROL
4. INTERCONNECT WITH AC-1(N) TO AC-8(N). REFER TO ELECTRICAL LIGHTING PLAN.
5. PROVIDE MERV-8 FILTER.
6. PROVIDE BACKDRAFT DAMPER.

MECHANICAL AIR TERMINAL DEVICES SCHEDULE					
TAG	SIZE	DESCRIPTION	CONSTRUCTION	BASIS OF DESIGN	
				MANUFACTURER	MODEL
CDS	AS SHOWN	SUPPLY DIFFUSER	ALUMINUM	TITUS	TMS-AA
CDR	AS SHOWN	RETURN DIFFUSER	ALUMINUM	TITUS	56FL
GGS	AS SHOWN	SUPPLY AIR GRILLE	ALUMINUM	TITUS	50FF
CGF	AS SHOWN	EXHAUST AIR GRILLE	ALUMINUM	TITUS	50FF

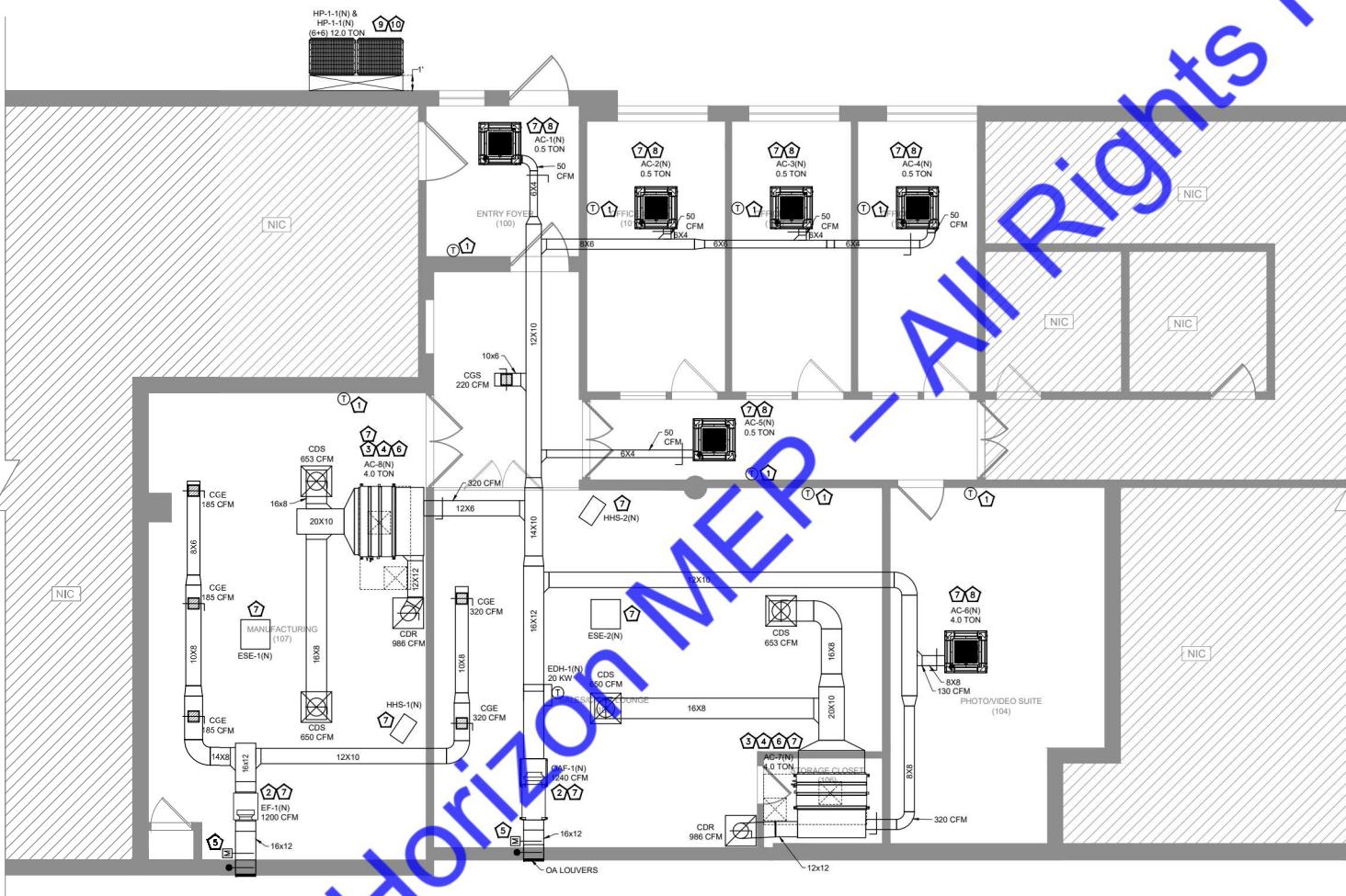
NOTES:

1. COORDINATE WITH THE ARCHITECT FOR THE FINISH AND COLOUR.
2. PAINT ALL METALS VISIBLE THROUGH FACE OF RETURN AIR GRILLE FLAT BLACK. THIS SHALL INCLUDE PIPING, CONDUIT, DUCTWORK AND STRUCTURAL MEMBERS.
3. PROVIDE FRAME FOR MOUNTING AIR DEVICE IN LAY-IN/CEIL GRID CEILING UNLESS REFLECTED CEILING PLAN INDICATES HARD CEILING IN AREAS WITH GRID CEILINGS, PROVIDE FRAMES FOR SURFACE MOUNTING.
4. UNLESS OTHERWISE NOTED, BRANCH DUCTS SERVING AIR DEVICES SHALL BE SAME SIZE AS NECK OF AIR DEVICE.
5. AIR DEVICE SHALL BE OF GALVANIZED FINISH WHEN INSTALLED ON EXPOSED DUCTWORK.

EDH-1(N)	GREENHECK	IDHE	FLANGE	SEE PLAN	16	12
NOTES:-						
1.	INSTALL ELECTRIC DUCT HEATER AS PER MANUFACTURER'S RECOMMENDATION.					
2.	PROVIDE T-STAT AND WIRE TO DUCT HEATER.					
3.	PROVIDE DISCONNECT SWITCH, VAPOR BARRIER, DUST TIGHT BOX AND FAN INTERLOCK SWITCH.					

VENTILATION CALCULATION - 1 WEST FOREST AVE- 2021 INTERNATIONAL MECHANICAL CODE												
ROOM TAG	AREA	OCCUPANCY AS PER 2021 IMC/2010SQ.FT.	OCCUPANCY AS PER 2022 NYMC	ARCHITECTURAL OCCUPANCY	FINAL OCCUPANCY	CFM/PERSON	CFM/SQ.FT	SUPPLY CFM	PROVIDED CFM	EXHAUST CFM/SQ.FT./Fixture	EXHAUST CFM	SELECTED EXHAUST CFM
1 ENTRY FOYER [100]	98	10	1	0	1	5	0.06	11	0	0	0	
2 OFFICE 1 [101]	101	5	1	2	2	5	0.06	17	0	0	0	
3 OFFICE 2 [102]	138	5	1	2	2	5	0.06	19	0	0	0	
4 OFFICE 3 [103]	138	5	1	2	2	5	0.06	19	0	0	0	
5 CORRIDOR	270	0	0	0	0	0	0.06	17	0	0	0	
6 PHOTO/VIDEO SUITE [104]	306	10	4	25	25	5	0.12	162	0	0	0	
7 BATH/STAIR[GAR] LOUNGE [105]	634	15	10	43	43	5	0.12	599.00	1	634	640	
8 STORAGE [106]	43	0	0	1	1	0	0.12	6	0	0	0	
9 MANUFACTURING [107]	551	7	4	6	6	7	0.12	112	1	551	560	
TOTAL	3279	27	83	94	94	24	0.06	763	1240	1240	1240	

AIR BALANCE					
UNIT	AREA SERVED	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST
AC-1(N)	SEE PLAN	494 CFM	50 CFM	444 CFM	-
AC-2(N)	SEE PLAN	494 CFM	50 CFM	444 CFM	-
AC-3(N)	SEE PLAN	494 CFM	50 CFM	444 CFM	-
AC-4(N)	SEE PLAN	494 CFM	50 CFM	444 CFM	-
AC-5(N)	SEE PLAN	494 CFM	50 CFM	444 CFM	-
AC-6(N)	SEE PLAN	1236 CFM	130 CFM	1063 CFM	-
AC-7(N)	SEE PLAN	1306 CFM	320 CFM	986 CFM	-
AC-8(N)	SEE PLAN	1306 CFM	320 CFM	986 CFM	-
EF-1(N)	SEE PLAN	-	-	-	1200 CFM
TOTAL:		6318 CFM	1029 CFM	5298 CFM	1200 CFM
BUILDING PRESSURE:				-180 CFM	NEGATIVE

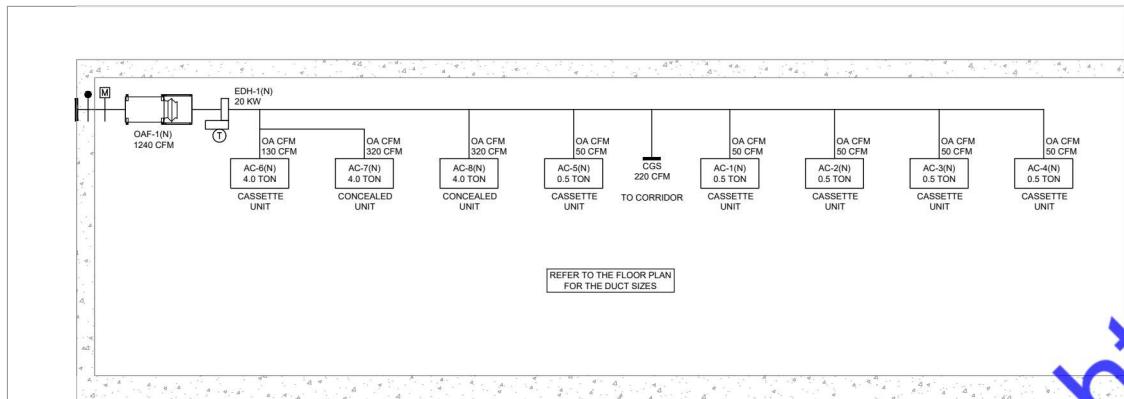


GENERAL NOTES:

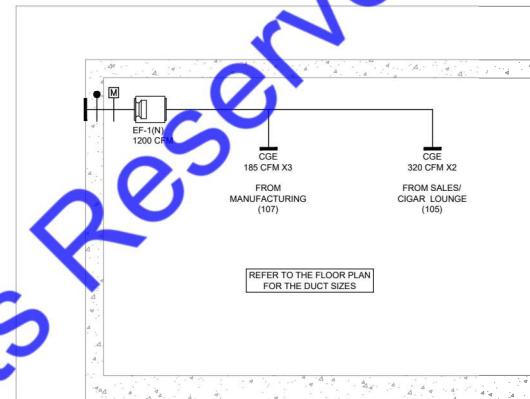
- CONTRACTOR SHALL BALANCE EACH AIR DIFFUSER WITH THE CFM SHOWN PLAN.
- DUCTWORK SHOWN ON PLANS ARE SCHEMATIC ONLY, CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR DUCTWORK ROUTING, OFFSET AND RUN PIPING, DUCTWORK INSIDE THE STRUCTURE IF REQUIRED, PROVIDE ANY EXTRA DUCTWORK, FITTINGS, INSULATIONS AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATION.
- EQUIPMENT SIZES, DIMENSIONS AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE ACTUAL EQUIPMENT SELECTED VENDOR DRAWINGS BEFORE FABRICATION OF DUCTWORK, PIPING ETC.
- DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE AIR STREAM DIMENSIONS.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ALL HVAC BASED ON ACTUAL EQUIPMENT SELECTED PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE EQUIPMENT WEIGHTS AND SUPPORTS BASED ON ACTUAL EQUIPMENT SELECTED.
- ALL EXPOSED DUCTWORK SHALL BE AS SHOWN DOUBLE WALL, INSULATED METAL, PRIMED FOR PAINTING. ALL CONCEALED DUCTWORK SHALL BE INSULATED METAL RECTANGULAR AND CIRCULAR DUCT SHALL BE INSULATED INTERNALLY UNLESS OTHERWISE ALLOWED IN WRITING BY THE ENGINEER OF RECORD. COORDINATE FINAL FINISH WITH ARCHITECT.
- COORDINATE WITH ALL TRADES FOR MATERIALS IN RATED AND PLENUM SPACES.
- ALL EXHAUST FANS SCHEDULED TO BE AUTOMATICALLY CONTROLLED BY MECHANICAL AIR HANDLERS SHALL BE CONNECTED BY MEANS OF AN AUXILIARY RELAY, PROVIDE AUXILIARY RELAY AS NEEDED.
- ALL SOURCE OF MECHANICAL INTAKE SHALL MAINTAIN 10 LINEAR FEET SEPARATION BETWEEN ANY SOURCE OF EXHAUST. CONTRACTOR IS RESPONSIBLE TO ADJUST DUCT LENGTH AS NEEDED.
- MD TO INTERLOCK WITH RESPECTIVE INDOOR UNITS.
- COORDINATE FINAL LOCATION OF EQUIPMENT WITH STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL DEMOLISH ALL EXISTING HVAC SYSTEMS INCLUDING FURNACE, DUCTWORK AND ALL ASSOCIATED ACCESSORIES.
- BEFORE STARTING DEMOLITION, PROVIDE NECESSARY PROTECTIVE DEVICES WHERE REQUIRED AND IN STRICT ACCORDANCE WITH OSHA AND CRA REGULATIONS.
- TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT MIGRATING TO OCCUPIED AREAS OF THE BUILDING. THIS INCLUDES BLANKING OFF ANY RETURN AIR GRILLES/ DUCTS IN THE WORK AREA. PROVIDE TEMPORARY EXHAUST FANS, DUCTED DIRECTLY TO OUTDOORS, TO MAINTAIN NEGATIVE PRESSURE WITHIN THE WORK AREA.
- KEEP ALL ADJOINING AREAS ADJACENT TO THE WORK AREAS CLEAN AND FREE OF DEBRIS.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE.
- REPAIR/ REPLACE EXISTING EQUIPMENT/ MATERIALS NOT SCHEDULED OR NOTED TO BE DEMOLISHED BUT BECOME DAMAGED DURING THE PROGRESS OF THE WORK, MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS, MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITIONS AT THE TIME OF DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE WEATHER PROOF COATING FOR ALL EXTERIOR PIPING INSULATION.
- MECHANICAL CONTRACTOR TO COORDINATE ALL DUCT WORK CROSSINGS, OVERLAPPING AND PENETRATIONS WITH SITE CONDITIONS AND AS PER EXISTING JOIST LAYOUT AND SKYLIGHT IN FIELD. MODIFY DUCT WORK WHEREVER REQUIRED.
- PROVIDE FIRE OR FIRE-SMOKE DAMPER WHEREVER DUCTS ARE CROSSING FIRE/SMOKE RATED WALLS/BARRIERS/SLABS. COORDINATE WITH ARCHITECTURAL DRAWING FOR FIRE RATING OF THE WALLS.

KEYED NOTES:

- LOCATION OF DIGITAL PROGRAMMABLE THERMOSTAT. INSTALL AND WIRE NEW 7-DAY PROGRAMMABLE THERMOSTAT FOR THE RESPECTIVE UNITS. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. PROVIDE LOCKABLE COVER.
- INLINE EXHAUST FAN FAN SHALL BE SUSPENDED FROM STRUCTURE ABOVE, VERIFY EXACT LOCATION OF STRUCTURAL MEMBERS PRIOR TO INSTALLATION, INTERCONNECT WITH MECHANICAL SCHEDULE FOR MORE DETAILS.
- EXTEND FULL SIZE SUPPLY & RETURN DUCTWORK FROM AC'S TO SPACE. EXTEND AS SHOWN. ACOUSTICALLY LINE THE FIRST 10'-0" OF BOTH SUPPLY AND RETURN MAIN DUCTS.
- PROVIDE REMOTE TEMP MOUNTED IN THE RETURN AIR DUCT AND WIRE BACK TO THE RESPECTIVE T-STAT.
- INTERCONNECT THE MOTORIZED DAMPER WITH RESPECTIVE FAN.
- PROVIDE SECONDARY Drip PAN UNDER AC UNIT WITH WATER LEAKAGE SENSOR TO SHUT DOWN THE UNIT.
- COORDINATE WITH ARCHITECT/ OWNER FOR THE FINAL LOCATION FOR THE UNIT. COORDINATE/ SUBMIT FINAL LOAD OF MECHANICAL UNITS, SUPPORT DETAILS WITH STRUCTURAL DRAWINGS. TAKE STRUCTURAL ENGINEER'S APPROVAL BEFORE CONSTRUCTION.
- CONTRACTOR TO TERMINATE THE CONDENSATE DRAIN TO THE NEAREST APPROVED PLACE OF DISPOSAL WITH AN AIR GAP FITTING. COORDINATE WITH PLUMBING CONTRACTOR.
- COORDINATE WITH ARCHITECT/ OWNER FOR THE FINAL LOCATION FOR THE UNIT. INSTALL REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNITS AS PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE INSULATION TO REFRIGERANT PIPING AS PER 2019 ASHRAE 90.1. COORDINATE REFRIGERANT PIPE ROUTING WITH ARCHITECT/OWNER.
- CONTRACTOR SHALL COORDINATE REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNITS AS PER THE MANUFACTURER'S RECOMMENDATIONS. MAXIMUM REFRIGERANT PIPING LENGTH SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATION.

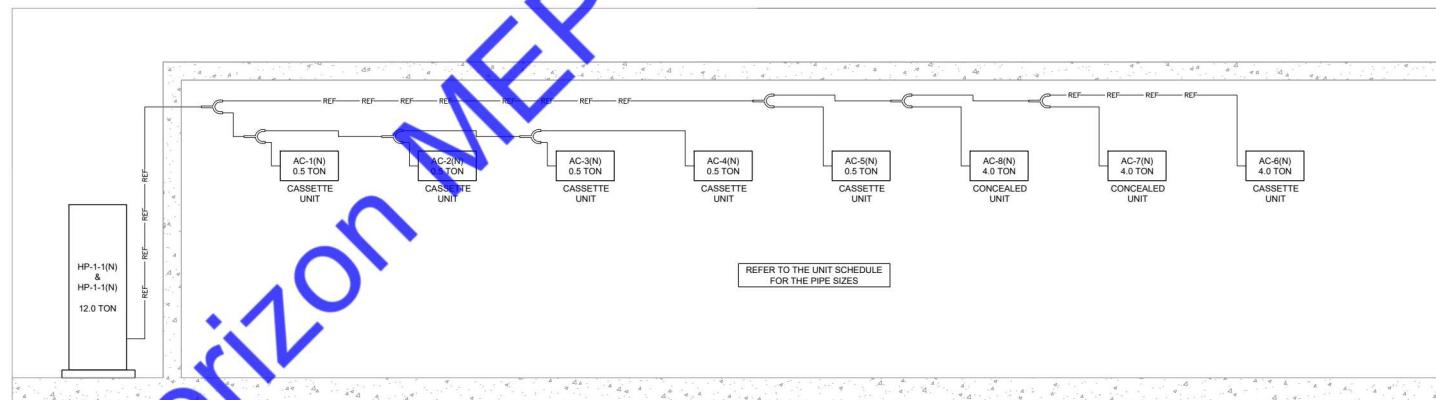


OUTSIDE AIR DUCT RISER



EXHAUST AIR DUCT RISER

1 VENTILATION DUCT RISER
SCALE: N.T.S



2 REFRIGERANT PIPING RISER
SCALE: N.T.S



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Air System Sizing Summary for 0 TOTAL SUMMARY
11-08-2025
Prepared by: ADSP

Air System Information
Project Name: 1 West Forest
Equipment Class: SPLIT AHU
Air System Type: SZCAV

Sizing Calculation Information

Calculation Months: Jan to Dec
Sizing Data: Calculated
Zone CFM Sizing: Sum of space airflow rates
Space CFM Sizing: Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	13.5 Tons	Load occurs at	Jul 1500
Total coil load	161.9 MBH	OA DB / WB	92.6 / 74.1 °F
Sensible load	120.0 MBH	Entire DB / WB	77.0 / 54.8 °F
Coil CFM at Jul 1500	5540 CFM	Leaving DB / WB	56.2 / 54.8 °F
Max block CFM	5540 CFM	Coil ADR	0.00
Sum of all zone CFM	5540 CFM	Revolving Factor	0.120
Sensible heat ratio	0.793	Resulting RH	50 %
CFM per ton	410.0 CFM	Demand Temp.	54.8 °F
RTTons	165.9	Zone T-stat Check	1 of 1 OK
BTU/Hr (R)	71.3	Max zone temperature deviation	0.0 °F
Water flow @ 10.0 °F rise	N/A		

Central Heating Coil Sizing Data

Max coil load	65.2 MBH	Load occurs at	Dec 1500
Coil CFM at Dec 1500	5540 CFM	BTU/hr (R)	28.6
Max coil CFM	5540 CFM	Ent. DB / Lvg DB	63.3 / 74.2 °F
Water flow @ 2.0 °F drop	N/A		

Supply Fan Sizing Data

Actual max CFM	5540 CFM	Fan motor BHP	0.00 BHP
Standard fan	5539 CFM	Fan motor kW	0.00 kW
Actual max CFM/ ¹	2.43 CFM/ ¹	Fan static	0.00 in wg

Outdoor Ventilation Air Data
Design airflow CFM: 800 CFM
CFM¹: 0.35 CFM¹

Air System Sizing Summary for 0 TOTAL SUMMARY
11-08-2025
Prepared by: ADSP

Air System Information
Project Name: 1 West Forest
Equipment Class: SPLIT AHU
Air System Type: SZCAV

Sizing Calculation Information

Calculation Months: Jan to Dec
Sizing Data: Calculated
Zone CFM Sizing: Sum of space airflow rates
Space CFM Sizing: Individual peak space loads

Zone Terminal Sizing Data

Zone Name	Design Supply Airflow (CFM)	Minimum Supply Airflow (CFM)	Zone CFMR ¹	Reheat Coil Weight (gmm)	Reheat Load (MBH)	Zone Hig Unit Wt (gmm)	Zone Hig Unit Load (MBH)	Max Duct Min Fgr Airflow (CFM)
Zone 1	5374	5374	2.36	0.0	0.0	0.0	0.0	0

Zone Peak Sensible Loads

Zone Name	Zone Cooling Sensible (MBH)	Time of Peak Sensible Cooling Load (MBH)	Zone Heating Load (MBH)	Floor Area (ft ²)	Zone
Zone 1	110.2	Jul 1700	11.8	2279.0	

Space Loads and Airflows

Zone Name / Space Name	Mult.	Cooling Sensible (MBH)	Time of Peak Sensible Load	Air Flow (CFM)	Heating Load (MBH)	Floor Area (ft ²)	Space CFMR ¹
1 ENTRY FOYER (100)	1	3.2	Jul 1700	154	2.1	98.0	1.57
2 OFFICE 1 (101)	1	3.6	Jul 1700	178	1.5	101.0	1.76
3 OFFICE 2 (102)	1	3.0	Jul 1700	145	1.5	104.0	1.48
4 OFFICE 3 (103)	1	4.0	Jul 1700	194	1.4	138.0	1.41
5 CORRIDOR	1	2.8	Jan 2300	134	0.0	270.0	0.50
6 PHOTOWVIDEO SITE (104)	1	29.5	Jul 2000	1437	0.8	306.0	4.70
7 SALES/CDGAR LNQE (105)	1	38.0	Jul 2000	178	0.8	306.0	2.63
8 STORAGE (106)	1	1.0	Jul 2000	49	0.7	43.0	1.14
9 MANUFACTURING (107)	1	25.4	Jul 2000	1239	1.7	551.0	2.25

Ventilation Sizing Summary for 0 TOTAL SUMMARY
11-08-2025
Prepared by: ADSP

1. Summary
Ventilation Sizing Method: Sum of Space OA Airflows
Design Ventilation Airflow Rate: 800 CFM

2. Space Ventilation Analysis

Zone Name / Site Name	Mult.	Floor Area (ft ²)	Maximum Occupants	Maximum Supply Air (CFM) (CFM per person)	Required Outdoor Air (CFM) (CFM per person)	Required Indoor Air (CFM) (CFM per person)	Required Outside Air (CFM) (CFM per person)	Required Indoor Air (CFM) (CFM per person)	Uncorrected Outdoor Air (CFM)
1 ENTRY FOYER (100)	1	98.0	1.0	153.6	0.00	0.00	20.0	0.0	20.0
2 OFFICE 1 (101)	1	101.0	2.0	177.6	0.00	0.00	20.0	0.0	20.0
3 OFFICE 2 (102)	1	138.0	2.0	194.0	0.00	0.00	20.0	0.0	20.0
4 OFFICE 3 (103)	1	138.0	2.0	194.0	0.00	0.00	20.0	0.0	20.0
5 CORRIDOR	1	270.0	0.0	134.3	0.00	0.00	20.0	0.0	20.0
6 PHOTOWVIDEO SITE (104)	1	306.0	25.0	1437.2	0.00	0.00	170.0	0.0	170.0
7 SALES/CDGAR LNQE (105)	1	634.0	43.0	1795.2	0.00	0.00	400.0	0.0	400.0
8 STORAGE (106)	1	43.0	0.0	70.9	0.00	0.00	10.0	0.0	10.0
9 MANUFACTURING (107)	1	551.0	6.0	329.2	0.00	0.00	120.0	0.0	120.0
Totals (incl. Space Multipliers)				3747.2	0.00	0.00	570.0	0.0	800.0

Hourly Analysis Program 5.10

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Hourly Analysis Program 5.10

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Hourly Analysis Program 5.10

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1 MECHANICAL LOAD CALCULATION
SCALE: N.T.S

COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code: 90.1 (2018) Standard
Project Title: 1 WEST FOREST AVENUE
Location:
Climate Zone: 5a
Project Type: Alteration

Owner/Agent: Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description
1 VRF-10G
VRV Condensing Unit, Air Cooled Heat Pump
Heating Mode: Capacity = 160 kBtu/h.
Proposed Efficiency = 13.50 EER, Required Efficiency = 3.20 COP
Cooling Mode: Capacity = 144 kBtu/h.
Proposed Efficiency = 13.50 EER, Required Efficiency = 10.60 EER
Proposed Cool Load Efficiency = 22.90 IEER, Required Part Load Efficiency = 13.00 IEER
Fan System: None
SYSTEM VERIFICATION REQUIRED.

Mechanical Compliance Statement

Compliance Statement: The mechanical system design of the building project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2019) Standard Requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: 1 WEST FOREST AVENUE

Report Date: 11/09/25
Data filename:

2 ENERGY ANALYSIS
SCALE: N.T.S

Report Date: 11/09/25
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