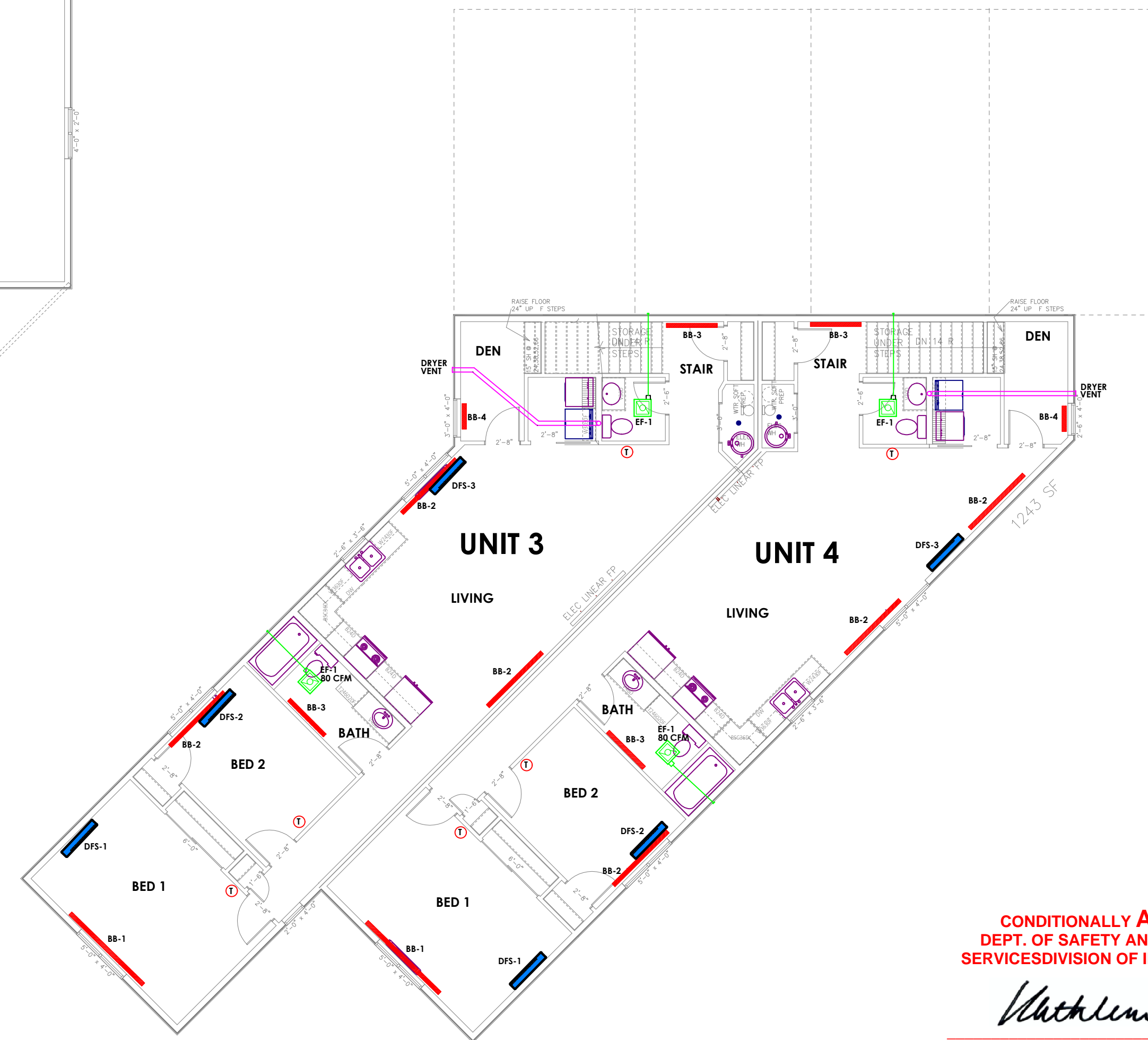


MAIN FLOOR



2ND FLOOR

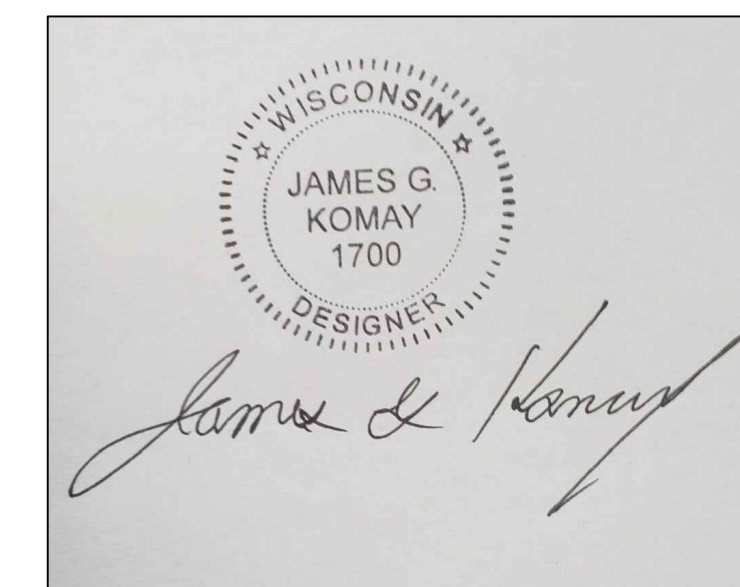
H.V.A.C. PLAN

CONDITIONALLY APPROVED
 DEPT. OF SAFETY AND PROFESSIONAL
 SERVICES/DIVISION OF INDUSTRY SERVICES

K. Adsit

K. Adsit 05/01/2023
 SEE CORRESPONDENCE

HVAC
 DIS-042315573
 CB-052300354-PRHVAC
 May 1, 2023



Schneider
 HEATING & AIR CONDITIONING
 1025 2ND AVE SW
 ONALASKA, WI 54650
 608-782-4035

4-UNIT RESIDENTIAL BUILDING
 CHASE STREET
 LACROSSE, WI 54601

SCALE:
 1/8" = 1'
 DRAWN BY:
 JCK
 APPROVED BY:
 X
 DATE:
 4/7/2023
 DRAWING NUMBER:
 XX-XX-XX
 PAGE NUMBER

M-1

MINI-SPLIT SYSTEMS:																						
MANUF.	TYPE	SERVICE	OUTDOOR CONDENSING UNIT					ELECTRICAL			INDOOR EVAPORATOR UNIT			REMARKS								
			MARK	MODEL	COOLING CAP	HEATING CAP	REFRIGERANT	TONS	VOLTS	MCA	MOCF	PHASE	MARK		MODEL	SERVICE	FAN SPEEDS	CFM RANGE	DIS	SUC	OPERATING RANGE CLG	OPERATING RANGE HTG
CARRIER	HEAT PUMP	UNIT 1	MSCU-1	BHMGRQ2AC-3	7,890-33,510 BTU	13,850-23,000 BTU	R-410A	2.0-10N	208-230	25.0	35	1	DFI-1	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
													DFI-2	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
													DFI-3	40MAH8Q12	LIVING/KITCHEN	4 * AUTO	174-382	1/4"	1/2"	-13-115°F	-22-84°F	1, 2, 3, 4, 5

MINI-SPLIT SYSTEMS:																						
MANUF.	TYPE	SERVICE	OUTDOOR CONDENSING UNIT					ELECTRICAL			INDOOR EVAPORATOR UNIT			REMARKS								
			MARK	MODEL	COOLING CAP	HEATING CAP	REFRIGERANT	TONS	VOLTS	MCA	MOCF	PHASE	MARK		MODEL	SERVICE	FAN SPEEDS	CFM RANGE	DIS	SUC	OPERATING RANGE CLG	OPERATING RANGE HTG
CARRIER	HEAT PUMP	UNIT 2	MSCU-2	BHMGRQ2AC-3	7,890-33,510 BTU	13,850-23,000 BTU	R-410A	2.0-10N	208-230	25.0	35	1	DFI-1	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
													DFI-2	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
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			MARK	MODEL	COOLING CAP	HEATING CAP	REFRIGERANT	TONS	VOLTS	MCA	MOCF	PHASE	MARK		MODEL	SERVICE	FAN SPEEDS	CFM RANGE	DIS	SUC	OPERATING RANGE CLG	OPERATING RANGE HTG
CARRIER	HEAT PUMP	UNIT 3	MSCU-3	BHMGRQ2AC-3	7,890-33,510 BTU	13,850-23,000 BTU	R-410A	2.0-10N	208-230	25.0	35	1	DFI-1	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
													DFI-2	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
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CARRIER	HEAT PUMP	UNIT 4	MSCU-4	BHMGRQ2AC-3	7,890-33,510 BTU	13,850-23,000 BTU	R-410A	2.0-10N	208-230	25.0	35	1	DFI-1	40MAH8Q06	BEDROOM	4 * AUTO	174-382	1/4"	3/8"	-13-115°F	-22-84°F	1, 2, 3, 4, 5
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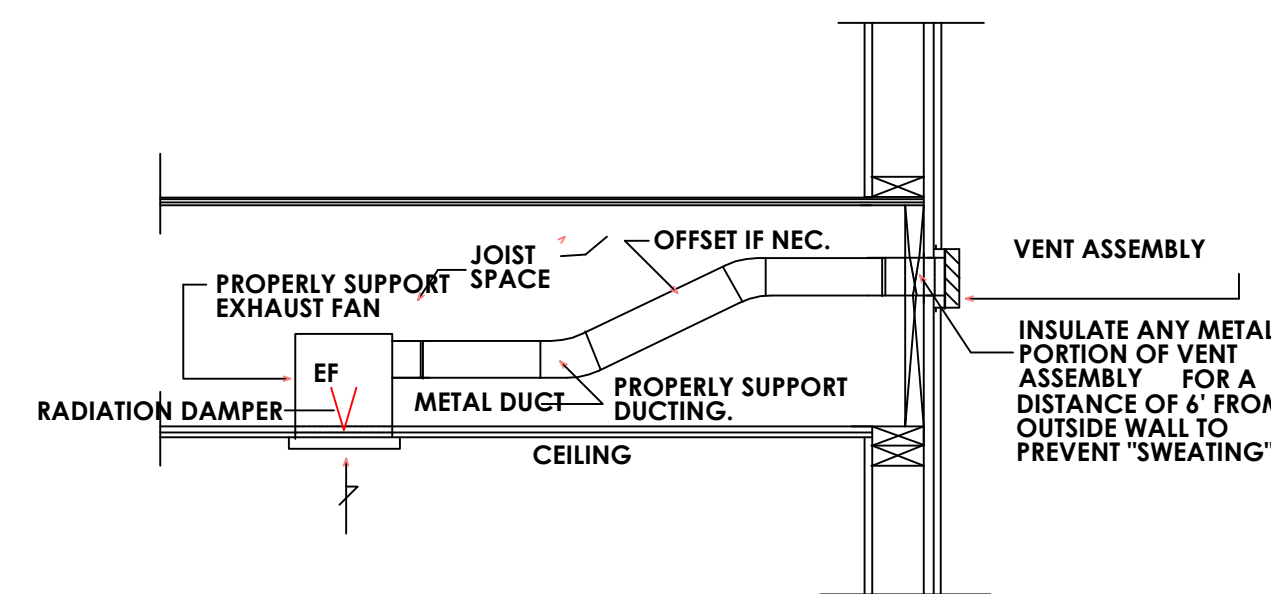
ELECTRIC HEATER SCHEDULE

DESIG.	BB-1	BB-2	BB-3	BB-4
MANUFACTURER	REDDI	REDDI	REDDI	REDDI
MODEL#	H33720-96	HE3715-072	HE3710-048	HE3703-024
WATTS	2000	1500	1000	600
BTU	6826	5100	3413	2049
VOLTAGE	240-60-1	240-60-1	240-60-1	240-60-1
LOCATION	BEDROOMS	BEDROOMS/LIVING	RESTROOMS/STAIRS	OFFICES

EXHAUST FANS:

MARK	MANUF.	MODEL	SERVICE	CFM	S.P.	VOLTS	HP	DRIVE	AMPS	SONES	REMARKS
EF-1	BROAN	A-80	BATHROOM	80	.1	120	---	DIRECT	1.35	N/A	1, 2, 3, 4

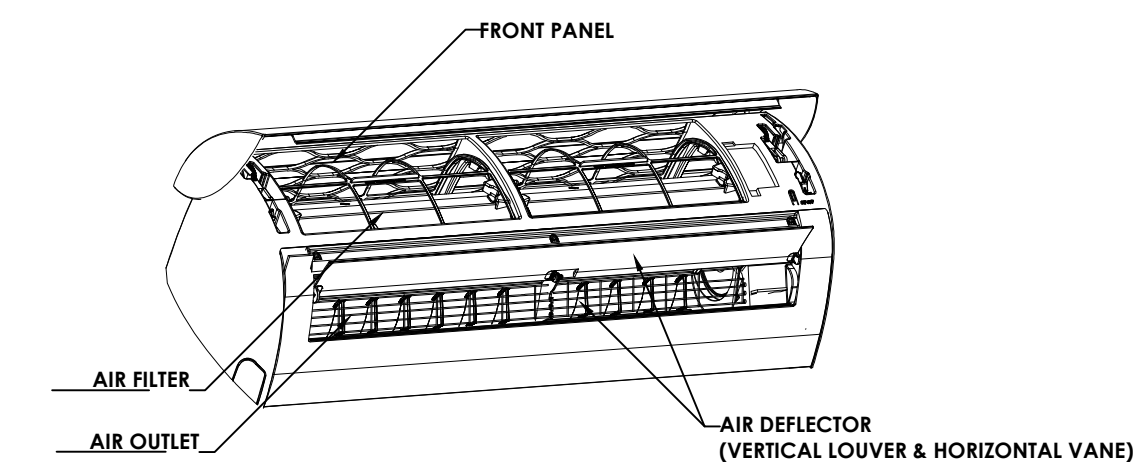
1. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. FIELD VERIFY EXACT LOCATION FOR THE FAN AND EXHAUST TERMINATION "ON SITE".
3. PROVIDE STARTER AND DISCONNECT.
4. PROVIDE BROAN 641 6" WALL EXHAUST CAP.



TYPICAL EXHAUST DETAIL

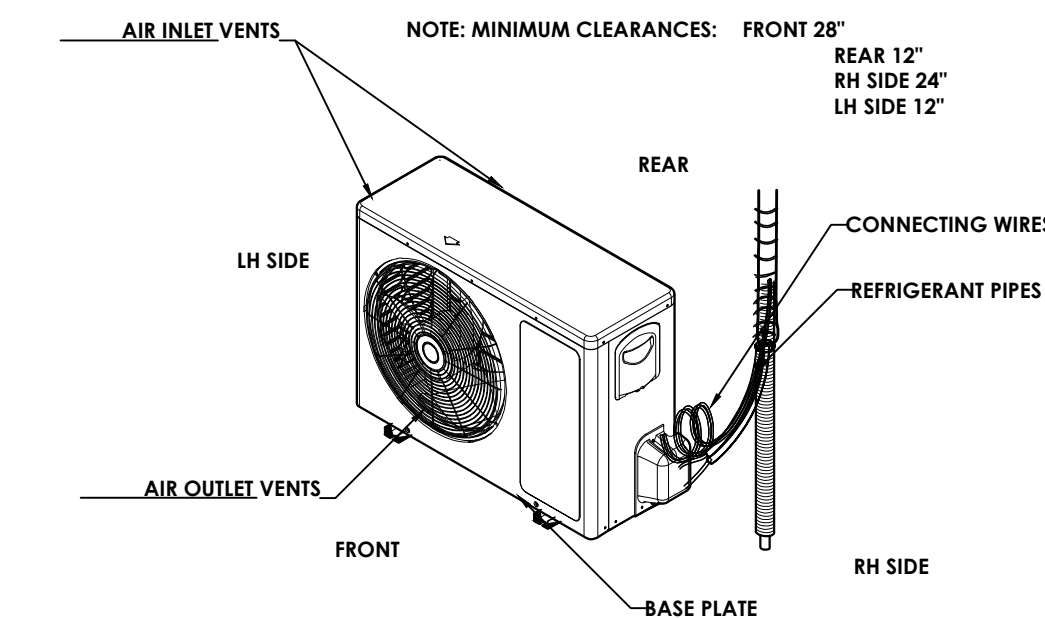
NOTE: MOUNT AS HIGH AS POSSIBLE (RECOMMENDED HEIGHT 6.5' WHILE LEAVING MINIMUM 8" FROM CEILING, MINIMUM CLEARANCE TO SIDES IS 4").

FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS



DUCTLESS SPLIT INDOOR WALL UNIT DETAIL

NTS



DUCTLESS SPLIT OUTDOOR UNIT DETAIL

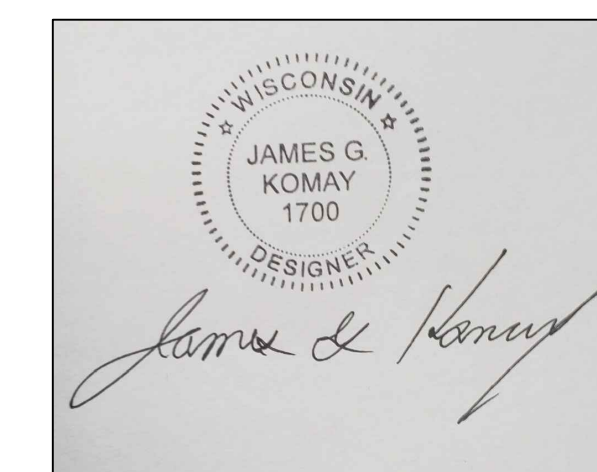
NTS

H.V.A.C. NOTES

- 1-VENT EXHAUST FANS TO EXTERIOR OF BUILDING.
- 2-THERMOSTAT MOUNTING TO BE IN ACCORDANCE WITH A.D.A. REQUIRING 48" ABOVE FLOOR.
- 3-CONTRACTOR TO CONFIRM VOLTAGES.
- 4-CONTRACTOR TO INSTALL AND ADJUST EQUIPMENT PER MANUFACTURERS GUIDELINES.
- 5-UPON COMPLETION OF INSTALLATION, CONTRACTOR TO AIR BALANCE SYSTEM AND LEAVE A REPORT WITH BUILDING OWNER CERTIFYING AIR FLOWS THRU EACH REGISTER AS LISTED. THIS REPORT TO BE KEPT ON FILE BY OWNER FOR STATE INSPECTION WHEN REQUESTED.
- 6-OWNER TO MAINTAIN & SERVICE EQUIPMENT ACCORDING TO MANUFACTURERS GUIDELINES MINIMAL, OR MORE OFTEN IF CONDITIONS WARRANT.CONTRACTOR TO LEAVE A COMPLETE SET OF EQUIPMENT MANUALS WITH OWNER.
- 7-PROVIDE FOR CONDENSATE REMOVAL FOR UNIT
- 8- ALL APARTMENTS MEET 4% OPENABLE WINDOWS, SO NO FRESH AIR IS NEEDED.

DRYER DUCTING NOTES

- 1-DRYER DUCTING SHALL BE CONSTRUCTED OF METAL MIN 0.016" (27 GAUGE)
- 2-DRYER DUCTS SHALL BE MIN 4" DIAMETER OR LARGER PER LISTING.
- 3-DRYER DUCTS SHALL NOT BE JOINED WITH SCREWS THAT PORTRUDE MORE THAN 1/8" INTO THE INSIDE OF THE DUCT.
- 4-DRYER DUCTS TO BE SUPPORTED @ 4FT INTERVALS AND SECURED IN PLACE.
- 5-DRYER DUCT TO BE LIMITED TO 35' UNLESS LISTING ALLOWS FOR LONGER LENGTH
- 6-WHERE THE DRYER DUCT EXCEEDS 35', THE EQUIVALENT LENGTH OF THE DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG & LOCATED WITHIN 6' OF CONNECTION.
- 7-TRANSITION DUCTS TO BE UL LISTED AND BE A MAXIMUM OF 8' LONG.
- 8-PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM OTHER WORK ARE LIKELY TO PENETRATE THE DRYER DUCT
- 9-SHIELD PLATES TO BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS 1 1/4" BETWEEN THE DUCT AND FINISHED FACE OF FRAMING MEMBER.
- 10-PROTECTIVE SHIELD PLATES TO BE STEEL WITH MIN THICKNESS OF 0.062" AND EXTEND MIN 2" ABOVE SOLE PLATES AND BELOW TOP PLATES.



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M-2