

PROJECT NAME

PROJECT STREET ADDRESS

CITY, ST, ZIP

CLIENT NAME

LC PROJECT NUMBER



LEGEND: (ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE USED)	
FFE	FINISHED FLOOR ELEVATION
AFF	ABOVE FINISHED FLOOR
TYP	TYPICAL
	TAGGED NOTE
AHU1	MECHANICAL EQUIPMENT DESIGNATOR
1M2.01	DETAIL CALLOUT
T	THERMOSTAT
Supply Air Duct (Turned Up/Down)	SUPPLY AIR DUCT (TURNED UP/DOWN)
Return or Air Exhaust Air Duct (Turned Up/Down)	RETURN OR AIR EXHAUST AIR DUCT (TURNED UP/DOWN)
Outside Air Duct (Turned Up/Down)	OUTSIDE AIR DUCT (TURNED UP/DOWN)
Motorized Damper	MOTORIZED DAMPER
Branch Take-Off with Balancing Damper	BRANCH TAKE-OFF WITH BALANCING DAMPER
Turning Vanes	TURNING VANES
SA	SUPPLY AIR DUCT (ONE LINE)
RA/EA	RETURN OR EXHAUST AIR DUCT (ONE LINE)
OA	OUTSIDE AIR DUCT (ONE LINE)
Supply Air Duct (Turned Up/Down)	SUPPLY AIR DUCT (TURNED UP/DOWN)
Return or Exhaust Air Duct (Turned Up/Down)	RETURN OR EXHAUST AIR DUCT (TURNED UP/DOWN)
Outside Air Duct (Turned Up/Down)	OUTSIDE AIR DUCT (TURNED UP/DOWN)
Duct Size Reduction	DUCT SIZE REDUCTION
Fire Damper	FIRE DAMPER
Motorized Damper	MOTORIZED DAMPER
Flexible Duct	FLEXIBLE DUCT
Supply Air Diffuser	SUPPLY AIR DIFFUSER
Return Grille	RETURN GRILLE
Exhaust Grille	EXHAUST GRILLE
CD	CONDENSATE DRAIN PIPING
Refrigerant Supply Piping	REFRIGERANT SUPPLY PIPING
Refrigerant Return Piping	REFRIGERANT RETURN PIPING
Piping Elbow (Turned Up/Down)	PIPING ELBOW (TURNED UP/DOWN)
Piping Tee (Turned Up/Down)	PIPING TEE (TURNED UP/DOWN)
Drain Connection	DRAIN CONNECTION

- GENERAL NOTES: (WHERE APPLICABLE)
- GENERAL NOTES, WHEREVER THEY ARE FOUND, APPLY TO ALL WORK IN THIS PROJECT, UNLESS OTHERWISE INDICATED. SHEET NOTES, UTILIZING NOTE SYMBOLS, APPLY ONLY TO THE SHEETS ON WHICH THEY ARE FOUND.
 - DO NOT SCALE THESE DRAWINGS. DIMENSIONS SHALL BE TAKEN FROM ARCHITECTURAL DRAWINGS.
 - CONTRACTOR SHALL VISIT THE JOB SITE AND BE FAMILIAR WITH ALL PROJECT CONDITIONS PRIOR TO FABRICATING DUCTWORK, EQUIPMENT, ETC. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S UNFAMILIARITY WITH PROJECT CONDITIONS.
 - DUCTWORK AND PIPING ROUTING SHOWN IS SCHEMATIC. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN ALL CLEARANCES AS ENCOUNTERED IN THE FIELD.
 - HVAC LAYOUT IS BASED ON ARCHITECTURAL DRAWINGS AVAILABLE AT TIME OF DESIGN. AS STRUCTURAL OR OTHER FIELD CHANGES MAY OCCUR, CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION OF ALL HVAC EQUIPMENT AND DUCTWORK BEFORE INSTALLATION. CONTRACTOR SHALL NOTIFY BUILDER OF ANY REQUIRED ALTERATIONS. EITHER CONTRACTOR OR OWNER SHALL TAKE RESPONSIBILITY FOR VERIFYING THE INTEGRITY OF THE CHANGES
 - FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ASHRAE, SMACNA, NFPA, EPA, ETC.
 - CONTRACTOR SHALL VERIFY ALL ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
 - COORDINATE INSTALLATION AND LOCATIONS OF DUCTWORK AND PIPING WITH BUILDING STRUCTURE, PLUMBING PIPING, ELECTRICAL CONDUIT, LIGHTING, ETC. PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND MATERIALS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL PROJECT CONDITIONS BEFORE FABRICATING AND INSTALLING ANY PIPING OR DUCTWORK.
 - CONTRACTOR IS RESPONSIBLE FOR THE AIR BALANCE OF ALL SYSTEMS.
 - ALL HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURE'S REQUIREMENTS AS SHOWN.
 - DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DIMENSIONS SHALL BE INCREASED TO ACCOMMODATE LINING THICKNESS. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
 - ALL SQUARE ELBOWS SHALL HAVE TURNING VANES.
 - CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION. INSULATE REFRIGERANT LINES ARMOUR-FLEX TYPE INSULATION.
 - CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
 - LOCATE THERMOSTATS AT 48" AFF (ABOVE FINISHED FLOOR), UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
M0.01	General Information and Legend
M1.01	Basement HVAC Plan
M1.02	Main Floor HVAC Plan
M2.01	Equipment Schedule and Details



Certified

Project Name
Project Address
Project City, ST Zip

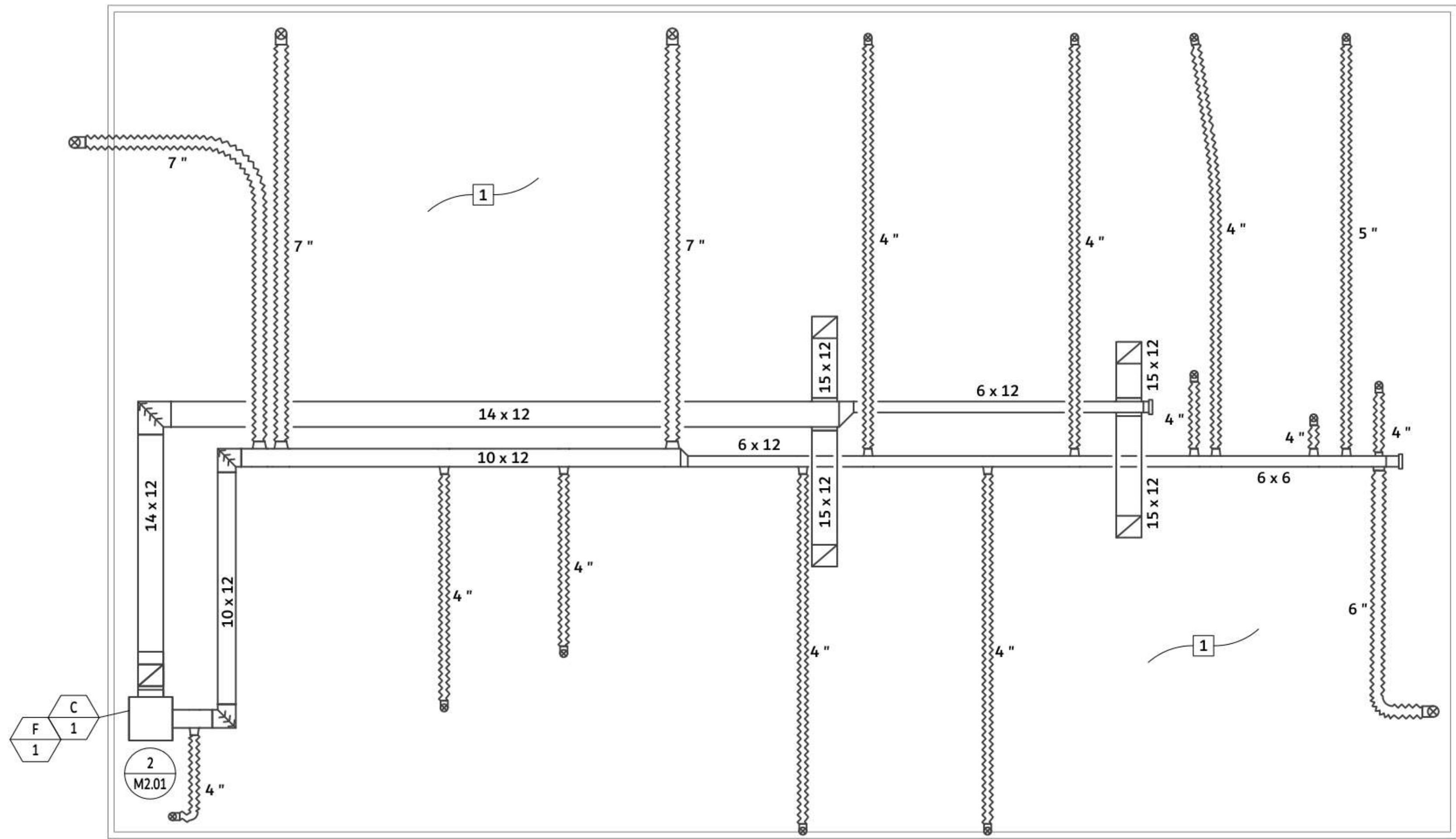
Client Name
Client Address
Client City, ST Zip

Revisions		Date
No.	Revision	XX/XX/XX
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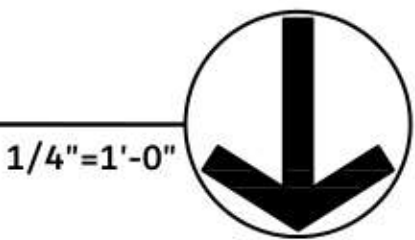
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Date	XX/XX/XX
Job No.	XX-XXX

Sheet

M0.01



Basement HVAC Plan



GENERAL NOTES:

1. FIELD COORDINATE LOCATIONS OF ALL GRILLES WITH OTHER TRADES PRIOR TO ROUGH-IN. ENSURE ALL PROPER CLEARANCES ARE MAINTAINED, PER APPLICABLE CODE.
2. ALL DUCTS ARE DESIGNED PER ACCA MANUAL D, TO ENSURE THE LOAD REQUIREMENTS ARE MET, BASED ON ACCA MANUAL J CALCULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ZONE DAMPERS ARE INSTALLED APPROPRIATELY AND PROPERLY, TO ENSURE PROPER BALANCE OF SYSTEM.

KEY NOTES:

1. REFER TO MAIN FLOOR HVAC PLAN, SHEET M1.02, FOR REGISTER LOCATIONS.

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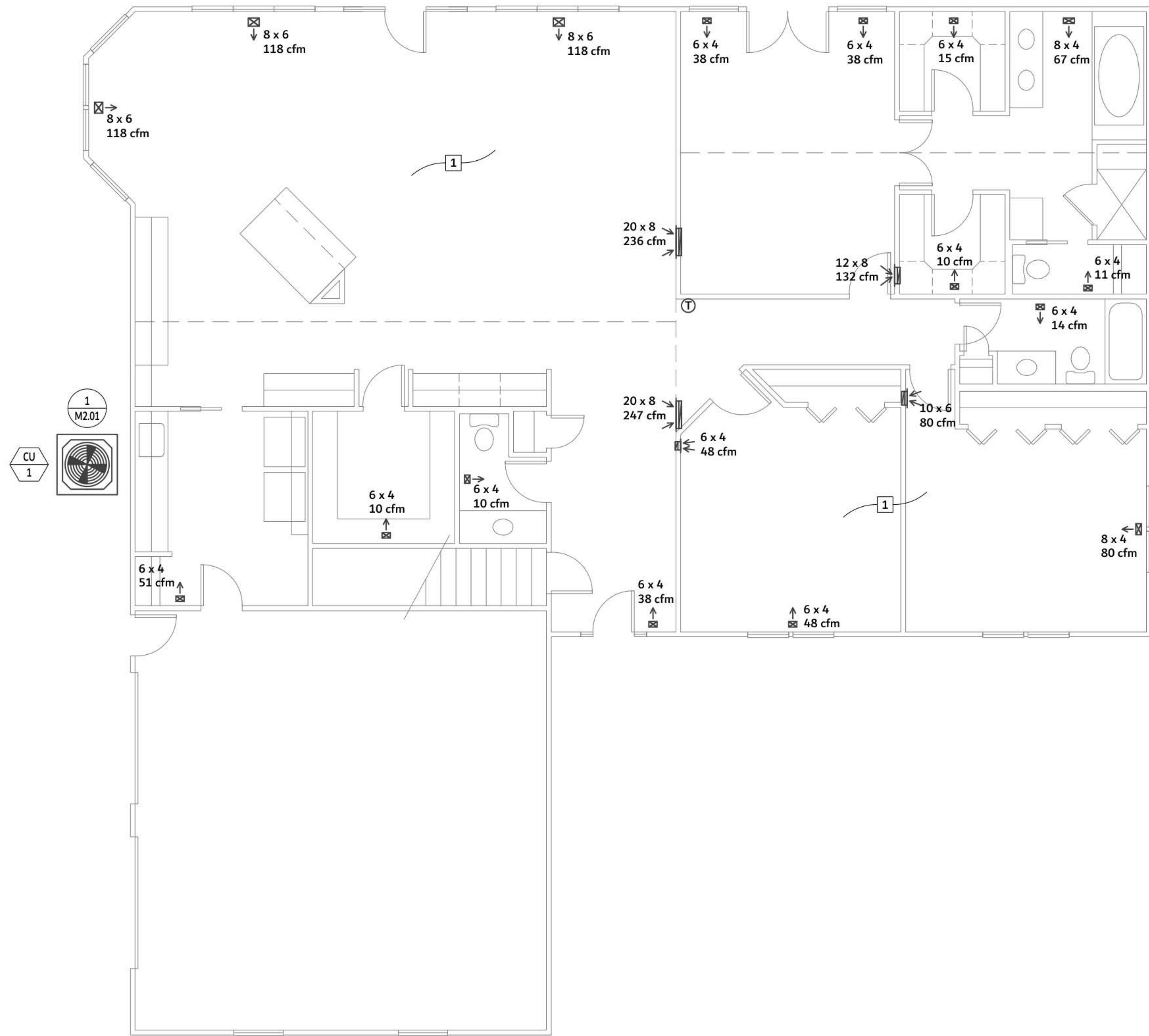
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Date	XX/XX/XX
Job No.	XX-XXX

Sheet

M1.01

Basement HVAC Plan



Main Floor HVAC Plan

1/4"=1'-0"



GENERAL NOTES:

1. FIELD COORDINATE LOCATIONS OF ALL GRILLES WITH OTHER TRADES PRIOR TO ROUGH-IN. ENSURE ALL PROPER CLEARANCES ARE MAINTAINED, PER APPLICABLE CODE.
2. ALL DUCTS ARE DESIGNED PER ACCA MANUAL D, TO ENSURE THE LOAD REQUIREMENTS ARE MET, BASED ON ACCA MANUAL J CALCULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ZONE DAMPERS ARE INSTALLED APPROPRIATELY AND PROPERLY, TO ENSURE PROPER BALANCE OF SYSTEM.

KEY NOTES:

1. REFER TO BASEMENT HVAC PLAN, SHEET M1.01, FOR DUCT LOCATION AND SIZES.

Certified

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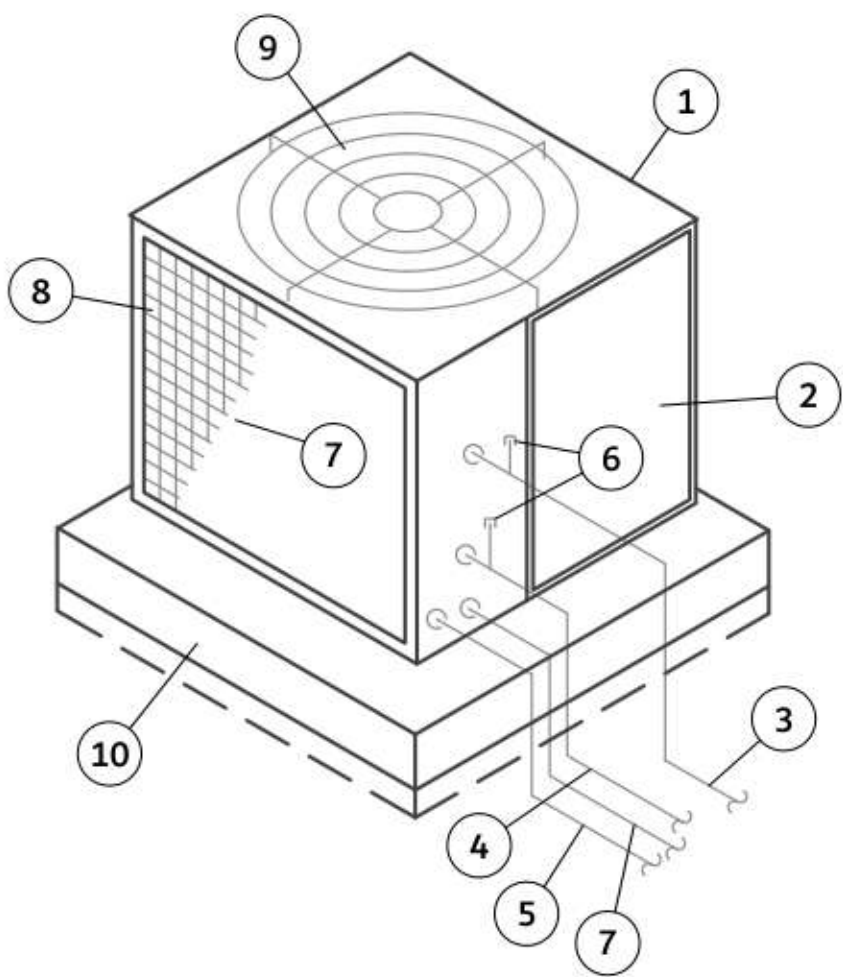
Revisions		Date	
No.	Revision	CD Set	XX/XX/XX
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Job No.	XX-XXX

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M1.02

Main Floor HVAC Plan

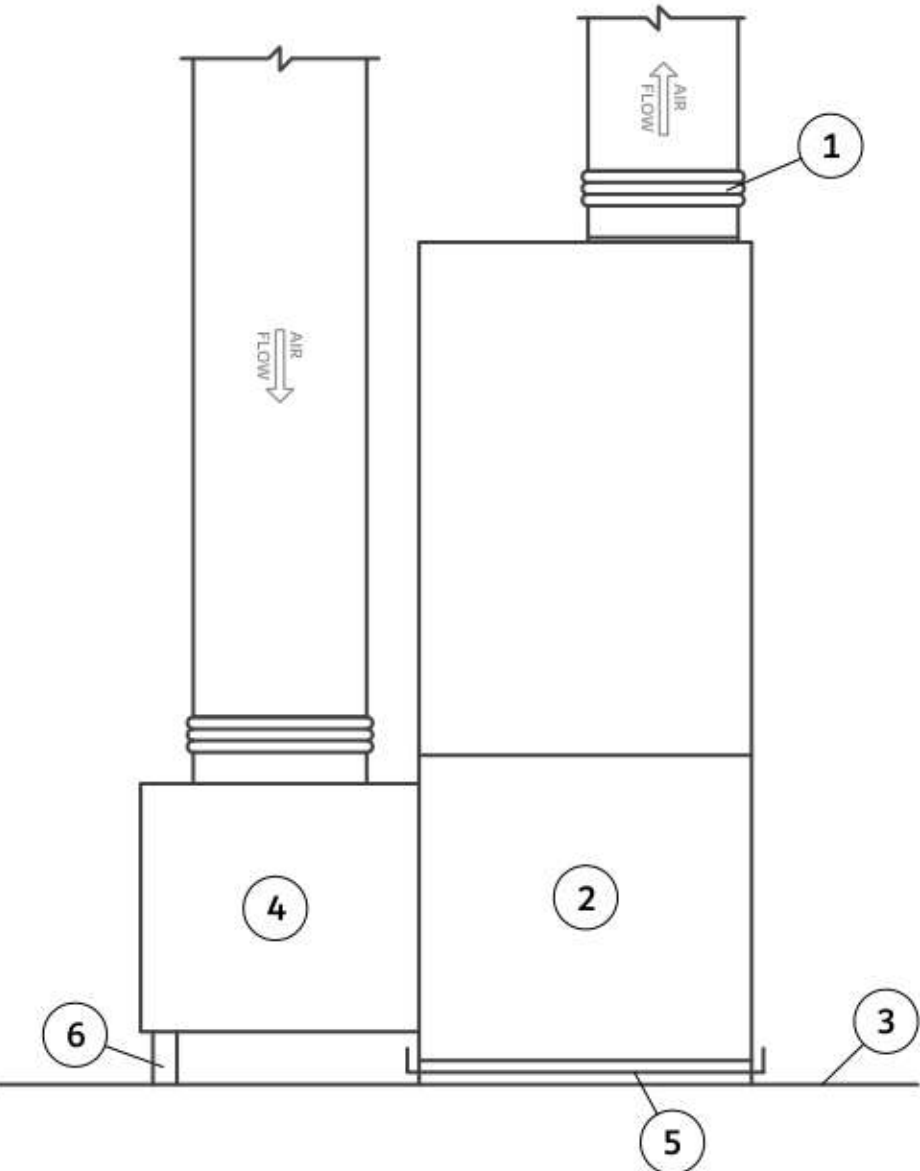


KEY NOTES:

- 1. NEW CONDENSING UNIT.
- 2. COMPRESSOR ACCESS PANEL.
- 3. REFRIGERANT SUCTION LINE WITH INSULATION.
- 4. REFRIGERANT LIQUID LINE.
- 5. CONDUIT - POWER AND CONTROLS.
- 6. REFRIGERANT GAUGE CONNECTION.
- 7. CONDENSER COIL.
- 8. COIL GUARD.
- 9. FAN GUARD.
- 10. 6" THICK CONCRETE PAD.

1

CONDENSING UNIT DETAIL
N.T.S.



KEY NOTES:

- 1. FLEXIBLE CONNCTION (TYP.).
- 2. ACCESS PANEL.
- 3. CEILING.
- 4. RETURN PLENUM.
- 5. GALVANIZED DRIP PAN, TO BE INSTALLED UNIT ENTIRE UNIT.
- 6. DUCT SUPPORT.

2

VERTICAL UNIT MOUNTING DETAIL - DUCTED RETURN
N.T.S.

Outdoor Unit Equipment Schedule

Unit No.	Manufacturer	Model No.	Tonnage	SEER	EER	HSPF	Capacity		Stages	MCA/MOP	RLA/LRA	Weight	Line Sizes
							Total	Sesible					
CU-1	XXXXXXXXXX	00000000000000	? ton(s)	00.00	00.00	00.00	00000	00000	Single	00/00	00.0/00	000 lbs.	0/0, 0/0

AC Coil Equipment Schedule

Unit No.	Manufacturer	Model No.	Refrigerant	Location	CFM	S.P.	Dimension (H x W x D)			Weight (lbs)
C-1	XXXXXXXXXX	00000000000000	R-410A	(location)	0000	0.00	00-0/0	x 00-0-0	x 00-0/0	000

Furnace Equipment Schedule

Unit No.	Manufacturer	Model No.	AFUE	Location	S.P.	MCA/MOP	Fan		Dimensions (H x W x D)	Weight (lbs)
							HP	FLA		
F-1	XXXXXXXXXX	00000000000000	00.0%	(location)	0.00	00.00/00.00	0/0	0.0	00-0/0 x 00-0-0 x 00-0/0	000