

# HAMILTON COUNTY, OHIO

## DEPARTMENT OF PLANNING AND DEVELOPMENT

138 E. COURT STREET, ROOM 801  
CINCINNATI, OHIO 45202  
phone: (513) 946-4550 fax: (513) 946-4511

COMPLETE NUMBERED ITEMS & SIGN USING BALL-POINT PEN OR TYPE

MECHANICAL APPLICATION
<b>GEO THERMAL</b>

APPLICATION NO.
DO NOT WRITE IN THIS SPACE

### PROJECT INFORMATION:

1 PROJECT ADDRESS \_\_\_\_\_ Zip Code: \_\_\_\_\_ Township/Municipality: \_\_\_\_\_

2 NAME	STREET ADDRESS	CITY	ST.	ZIP CODE	PHONE NO.
OWNER					
MECH. CONTR.					
APPLICANT'S E-MAIL ADDRESS				FAX NO.	

3 GEO TYPE: RES ☐ COMM ☐ FURN - A/C: NEW ☐ REPLACE ☐ DUCTWORK: NEW ☐ EXIST ☐ HORIZ. LOOP ☐ VERT. WELLS ☐

4 DESCRIBE THE WORK: \_\_\_\_\_  
\_\_\_\_\_

### 5 TYPE OF MECHANICAL EQUIPMENT: (CIRCLE EQUIPMENT & FILL IN BLANKS ON APPROPRIATE LINE)

A. HEATING: FURNACE AND/OR UNIT HEATERS:

QTY. \_\_\_\_\_ MFG: \_\_\_\_\_ MODEL #: \_\_\_\_\_ FUEL \_\_\_\_\_ INPUT \_\_\_\_\_ BTU

B. AIR CONDITIONING: EXTERIOR GROUND AND/OR THROUGH-WALL UNITS:

QTY. \_\_\_\_\_ MFG: \_\_\_\_\_ MODEL #: \_\_\_\_\_ FUEL \_\_\_\_\_ INPUT \_\_\_\_\_ BTU

C. COMBO HTG./ A.C. HEAT PUMP? YES: \_\_\_\_\_ NO: \_\_\_\_\_

D. WATER HEATER: QTY. \_\_\_\_\_ MFG: \_\_\_\_\_ MODEL #: \_\_\_\_\_ FUEL \_\_\_\_\_ INPUT \_\_\_\_\_ BTU

E. EXIST. EQUIP.: TYPE \_\_\_\_\_ FUEL \_\_\_\_\_ INPUT \_\_\_\_\_ BTU OUTPUT \_\_\_\_\_ BTU

UNUSED OPENINGS IN ANY VENTING SYSTEM SHALL BE CLOSED OR CAPPED

6 GEOTHERMAL DESIGN: ALL HEATING EQUIPMENT SHALL BE SIZED TO ACHIEVE & MAINTAIN AN INSIDE TEMPERATURE OF 68 DEGREES AT 36 INCHES ABOVE THE FLOOR IN ALL HABITABLE ROOMS WHEN THE OUTSIDE TEMPERATURE IS 70 DEGREES FARENGHEIT.

### 7 GEOTHERMAL DESIGN DATA: (PROVIDE REQUESTED INFORMATION ON EACH LINE)

- 1) BORED WELL DIAMETER AND DEPTH (If vertical loop).....
- 2) TRENCH LENGTH,DEPTH, WIDTH, AND CONFIGURATION (If horizontal closed loop).....
- 3) INDICATE THE SPACING OF BORED WELLS OR TRENCHES FROM EACH OTHER AND FROM THE STRUCTURE.....
- 4) INDICATE THE BACKFILL MATERIAL- SOIL, GROUT TYPE (bentonite or bentonite/sand combo).....
- 5) ASSUMED SOIL PROPERTIES (TEMPERATURE AND CONDUCTIVITY).....
- 6) BRANCH PIPE SIZE & MATERIAL .....
- 7) LOOP PIPE SIZE & MATERIAL .....
- 8) MATERIAL & TYPE OF CONNECTIONS USED FOR UNDERGROUND PIPE OF GEOTHERMAL SYSTEM .....
- 9) SOLUTION USED IN THE LOOP (with or without antifreeze and type of antifreeze used if applicable).....
- 10) NOTE UNIT LOCATION.....

The owner of this building and undersigned, do hereby covenant and agree to comply with all the laws of the State of Ohio and the resolutions of the County of Hamilton, pertaining to building and buildings, and to construct the proposed building or structure or make the proposed change or alteration in accordance with drawings and specifications submitted herewith, and certify that all of the information and statements given on this application, drawings and specifications are to the best of their knowledge, true and correct.

**NOTE: FILING THIS APPLICATION DOES NOT CONSTITUTE PERMISSION TO BEGIN WORK.**

MECHANICAL CONTRACTOR'S PRINTED NAME & COMPANY \_\_\_\_\_

HOME OWNER'S PRINTED NAME \_\_\_\_\_

MECHANICAL CONTRACTOR'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

HOME OWNER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

### INSPECTION NOTES

A	DUCT AT PLENUM:	SUPPLY	
		RETURN	
B	COMBUSTION AIR:	8' CLG ROOM	
	(HIGH & LOW)	OUTDOOR AIR:	
		HORZ	
		VERT	
		INDOOR AIR TRANSFER GRILL	
C	FURNACE / AC:	AS ON APPLICATION	
D	PROPER CLEARANCE OF DUCTS & PLENUMS		
E	OIL OR TANK LOCATION		
F	FLUE AND CLEANOUT		
G	FLUE DAMPER	MFG: _____	
		MODEL #: _____	
H	CLEARANCES FOR SERVICING EQUIP		
I	AIR-CONDITION		

COPY OF MFG'S PRE PRINTED INSTALLATION INSTRUCTIONS MUST BE AVAILABLE @ SITE

J	PROPER DIRECTION OF CONDENSER-AIR DISCHARGE		
K	FINAL ELECTRIC		
L	CARD MAILED TO OWNER		
M	FIELD ORDER ISSUED		
N	RECEIVED \$50 REINSPECTION FEE		
O	RE-INSPECTION		
P	CC ISSUED		

INSTALLATION INSPECTION BY \_\_\_\_\_ DATE: \_\_\_\_\_

RECOMMENDS PLAN APPROVAL: \_\_\_\_\_ DATE \_\_\_\_\_ CLARIFICATION MEMO ☐ ITEMS \_\_\_\_\_

DATE ISSUED: \_\_\_\_\_ PERMIT #: \_\_\_\_\_ TOTAL PERMIT FEE: \_\_\_\_\_ AMOUNT DUE: \_\_\_\_\_