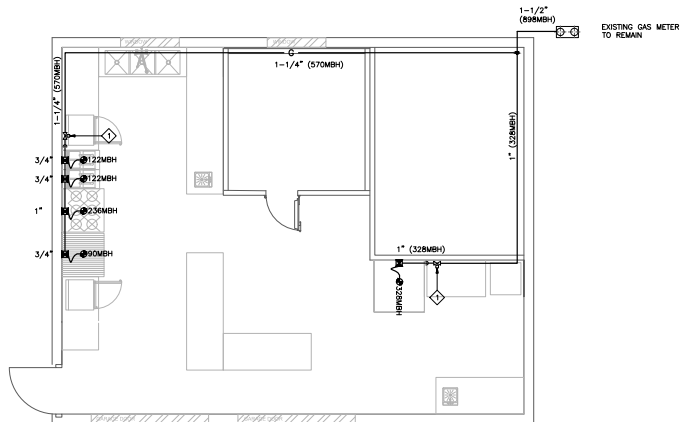


HVAC LAYOUT



GAS LAYOUT

KITCHEN EQUIPMENT GAS LOAD

GAS CONNECT C/W QUICK DISCONNECT AND FLEXIBLE HOSE FOR KITCHEN EQUIPMENT.

GAS LOAD SUMMARY

EQUIPMENT	MBH
GRILLE	90
GAS RANGE OVEN	300
DEEP FRYER (x2)	244
COMBI OVEN	328
TOTAL	898

KEYED NOTES

1. MANUAL SHUT-OFF VALVE AND SOLENOID VALVE BELOW CEILING. ENSURE LOCATION DOES NOT IMPEDE ANY EQUIPMENT AND/OR TABLES FROM BEING PUSHED FLUSH AGAINST WALL.
2. C/W 16"x14" E/A DUCT AS PER N.F.P.A 96.
3. C/W 10" E/A DUCT.

GENERAL NOTES

1. GC TO ENSURE ALL EXTERIOR & ROOF MECHANICAL WORK CONFORMS WITH THE APPROVED HERITAGE PERMIT. INSTALLATION TO BE PERFORMED BY CAPP MEMBER.
2. GAS METER AND ALL NEW EXTERIOR GAS LINE LOCATIONS TO BE APPROVED BY HERITAGE.

HVAC GENERAL NOTES

ALL EXISTING EQUIPMENT, PIPING, ETC BEING RE-USED SHALL BE INSPECTED AND LOCATED BEFORE AND AFTER DEMOLITION AND PRIOR TO ANY NEW CONSTRUCTION. SCHEDULES OF PERFORMANCE/CONDITION/DATE AND LOCATION SHALL BE SUPPLIED TO THE ENGINEER AND OWNER. AIR CAPACITIES FOR ALL SUPPLY AND EXHAUST SYSTEMS SHALL BE MEASURED AT THE GRILLES TO DETERMINE IF DESIGN AIR FLOW NOTED ON OUR PLANS CAN BE MET. ANY EXTRA WORK AND REQUIRED TO THE ABOVE MENTIONED SHALL BE ESTIMATED PRIOR TO NEW CONSTRUCTION. CONTRACTOR TO ALLOW FOR THE INSPECTION IN HIS PRICE INCLUDING 1-HOURING, AIR FLOW MEASUREMENT, SCISSORING AND CAMERA SCOPE TO EXISTING BURIED DRAINS. NO EXTRAS WILL BE ALLOWED ONCE NEW CONSTRUCTIONS STARTS.

1. ALL EQUIPMENT AND ASSOCIATED DUCTWORK/GRILLES IS NEW UNLESS OTHERWISE NOTED.
2. UNLESS NOTED ALL SUPPLY AIR GRILLES MOUNTED ON ROUND EXPOSED DUCTWORK SHALL BE POINTED DOWN AT A 45° ANGLE.
3. ALL COUNTER FLASHING OF DUCTS TO CURBS TO BE DONE BY THIS CONTRACTOR. CONTRACTOR SHALL HAND OVER CURBS TO GENERAL CONTRACTOR FOR INSTALLATION BY THEM. NEW DUCTS THROUGH ROOF SHALL BE C/W ROOF CURB. HEIGHT SHALL MATCH EXISTING AND/OR EQUIPMENT ROOF CURBS.
4. PAINTING OF EXPOSED DUCTWORK IS BY OTHERS.
5. FLEXIBLE BRANCH DUCTWORK TO BE MAXIMUM 10FT. IN LENGTH. FLEXIBLE SHALL NOT BE USED IN RESIDENTIAL.
6. UNDERCUT DOORS FOR ALL WASHROOMS.
7. REFER TO EQUIPMENTS SCHEDULE FOR ALL INITIAL DUCT DROP SIZES FOR SPECIFIED EQUIPMENT ON ROOF.
8. ALL INTERIOR EXPOSED OPEN ENDED DUCTS TO BE FINISHED OFF WITH WIRE MESH.
9. WHERE APPLICABLE ALL GOOSENECKS, OPEN ENDED DUCTS AND EXTERIOR LOUVERES TERMINATING TO THE EXTERIOR SHALL BE C/W 1/2"x1/2" GALVANIZED WIRE MESH BIRD SCREENS AND 6/8" O/D OR MOTORIZED DAMPER WHERE SPECIFIED AND BE ACCESSIBLE FOR CLEANING.
10. ALL MOTORIZED DAMPERS ARE C/W END SWITCHES UNLESS NOTED.
11. ALL AIR HANDLERS ARE TO BE WIRED SO THAT THEY SHUT DOWN UPON ACTIVATION OF FIRE ALARM.
12. ALL EXTERIOR LOUVERES AND VENT OPENINGS MUST BE MIN. 4" ABOVE FINISHED GRADE. ADJUST OPENING LOCATIONS OR ROOFY GRADE AS REQUIRED.
13. ALL DUCTWORK SHALL CONFORM TO ASHRAE. ALL DUCTWORK SHALL AND PLUMBING SHALL BE CONSTRUCTED INSTALLED AND SEALED AND PRESSURE TESTED AS DETAILED IN THE SMACNA HANG DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. CONTRACTOR TO SEAL DUCT WITH ZERO VOC DUCT SEALANT. WHERE DUCTWORK IS EXPOSED SEAL WITH CLEAR GLUCIDE.
14. RADIUS OF ELBOW SHALL BE AT LEAST 1.5 TIMES THE WIDTH OF THE DUCT. WHERE A RADIUS IS NOT POSSIBLE TURNING VANES MUST BE INTRODUCED.

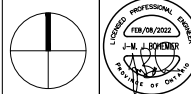
6	FEB/08/2022	REVISIONS / RE-ISSUED FOR PERMIT
5	JAN/12/2022	REVISIONS / RE-ISSUED FOR PERMIT
4	DEC/17/2021	REVISIONS / ISSUED FOR PERMIT
3	NOV/23/2021	HVAC REV/ISSUED FOR PERMIT REVIEW
2	NOV/16/2021	ISSUED FOR REVIEW
1	NOV/12/2021	ISSUED FOR CLIENT REVIEW
NO.	DATE	DESCRIPTION

THIS DRAWING SHALL BE USED ONLY FOR THE PURPOSES INDICATED IN THE LATEST ISSUED COLUMN ABOVE.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGNER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. OWNERS MUST NOT BE SCALED. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS ON THE DRAWING. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS COUNTERSIGNED BY THE DESIGNER.

THIS DRAWING IS NOT TO BE SCALED.

CONSTRUCTION NOTES



CONSULTING INC.

3 - 490 Harry Walker Parkway South
Newmarket, Ontario L3Y 0B3
Bus: (905) 773-0200
sta@bkconsulting.ca

HARDING HOUSE

2700 LAKESHORE RD. W.

MISSISSAUGA, ONTARIO

MECHANICAL

PLOT DATE PROJECT NO.

19-029

DRAWING TITLE

HVAC LAYOUT

DATE

2022

DRAWN BY J.W./K.W.

M-1

SCALE

1/4"=1'-0"

OF 7

