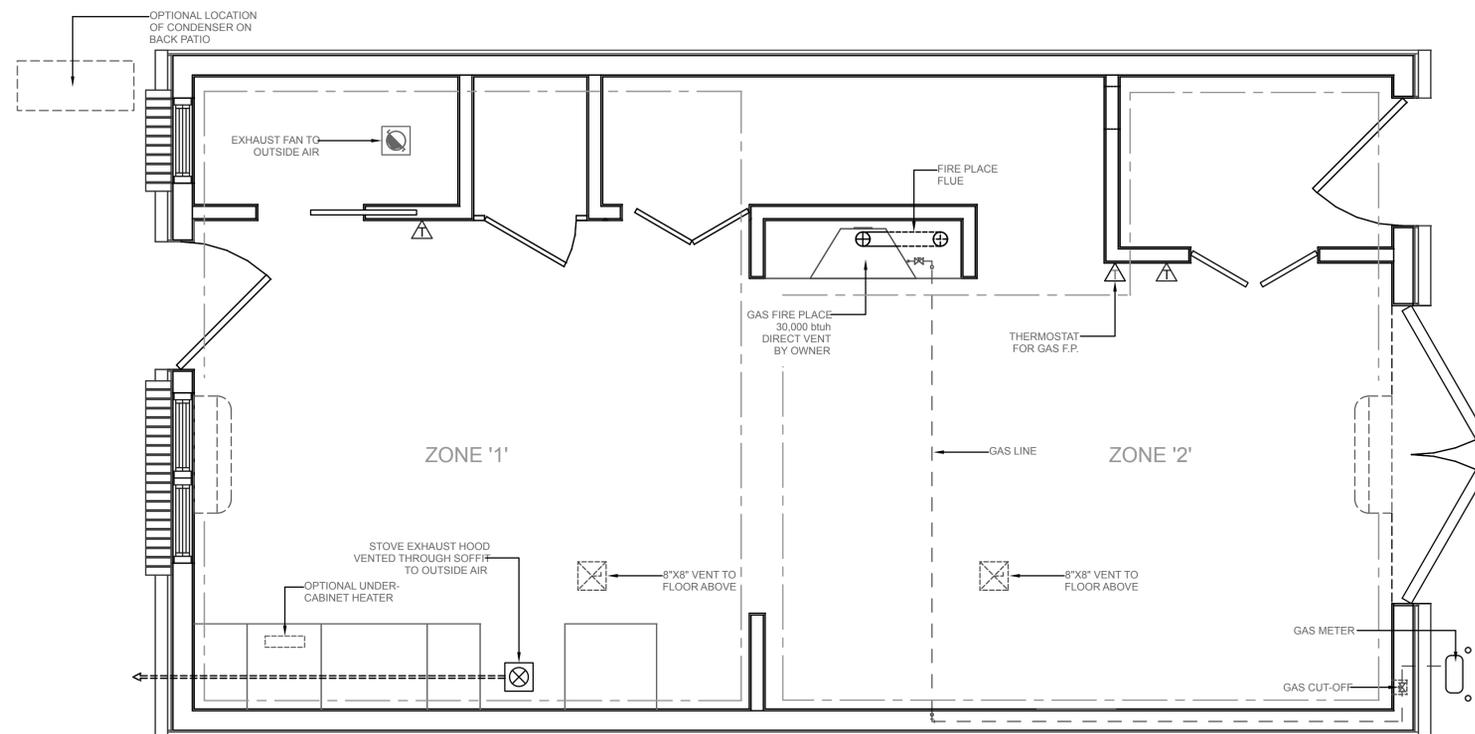


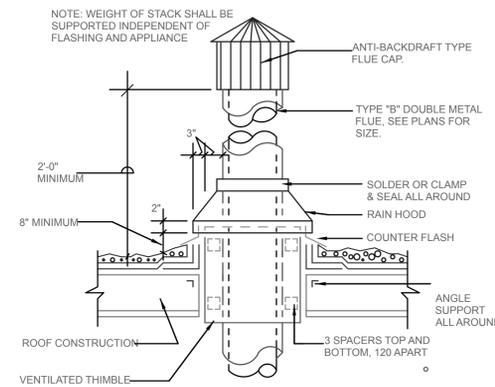
2ND FLOOR MECHANICAL PLAN

SCALE: 1/2" = 1'-0"



FIRST FLOOR MECHANICAL PLAN

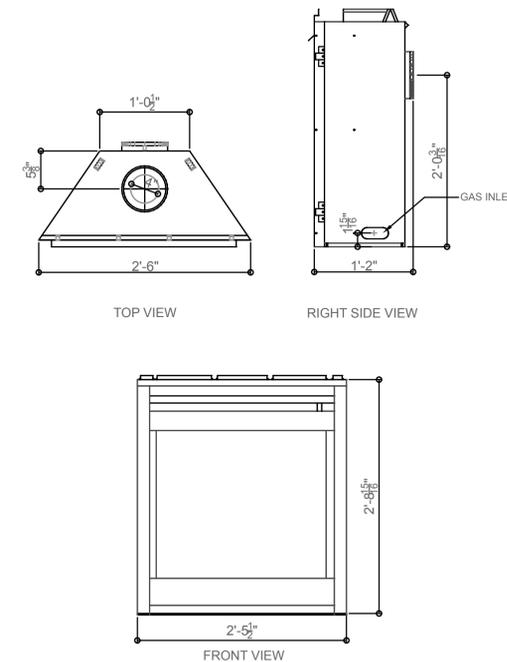
SCALE: 1/2" = 1'-0"



F.P. FLUE THRU ROOF DETAIL

NOT TO SCALE

LEGEND	
	SPLIT SYSTEM THERMOSTAT
	SPACE CONDITIONING ZONE
	GAS LINE
	HIGH WALL AIR HANDLER
	INTER-FLOOR VENT W/ DAMPER



FIRE PLACE INSERT DETAILS

SCALE: 1/2" = 1'-0"

HVAC NOTES

- POWER WIRING AND FINAL ELECTRICAL CONNECTION TO ALL HVAC EQUIPMENT SHALL BE BY E.C.
- CONTROL WIRING FOR MECHANICAL EQUIPMENT SHALL BE BY HVAC CONTRACTOR.
- THERMOSTATS SHALL BE HEATING/COOLING TYPE WITH "HEAT-OFF-COOL" SWITCH, "AUTO-ON" FAN SWITCH, TRANE OR APPROVED EQUAL.
- PROVIDE VOLUME CONTROL DAMPERS AT ALL INTERFLOOR VENTS.
- PROVIDE CONDENSATE DRAIN LINES FROM EACH INDOOR FAN COIL UNIT AS INDICATED ON DRAWINGS. (VERIFY EXACT LOCATION IN FIELD.)
- PROVIDE DRAIN PAN BELOW INDOOR UNIT WITH SECONDARY DRAIN LINE PIPED TO EXTERIOR OF BUILDING. VERIFY EXACT LOCATION IN FIELD.
- COORDINATE PLACEMENT AND EXACT LOCATION OF MECHANICAL EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.
- VERIFY ALL REQUIRED CLEARANCES.
- PROVIDE CONDENSATE DRAIN LINES FROM INDOOR UNIT TO NEAREST DRAIN LINE LOCATION IN FIELD.
- THE M.C. MUST CLOSELY COORDINATE ALL NEW INSTALLATIONS WITH THE OWNER AND E.C. THROUGHOUT ALL ASPECTS OF THIS CONSTRUCTION.
- UNDERCUT ALL INTERIOR DOORS BY 1" TO ALLOW ADEQUATE AIR FLOW.
- DRYER TO BE VENTED DIRECTLY TO ROOF.
- BATH EXHAUST FANS TO BE ROUTED TO OUTSIDE AIR.
- HVAC CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR MECHANICAL SYSTEMS INCLUDING SPECIFICATIONS AND EFFICIENCY RATINGS.

EQUIPMENT SPECIFICATIONS

GAS FIREPLACE INSERT

MANUFACTURER: REGENCY GAS FIREPLACE, INC.
 MODEL: HRI4E
 FUEL: NATURAL GAS
 INPUT: (BTU) 31,000
 TURN DOWN TO (BTU): 21,500
 ENERGUIDE RATING* 66.10%
 EFFICIENCY (STEADY STATE) 84%
 MIN. FIREPLACE OPENING HRI4E HRI6E
 WIDTH (FRONT) 30"
 WIDTH (REAR) 22"
 HEIGHT 20"
 DEPTH** 15-1/2"

CARRIER PERFORMANCE SERIES DUCTLESS MULTI-SPLIT HIGHWALL HEAT PUMP SYSTEM

OUTDOOR UNIT 38GVM430
 SYSTEM VOLTAGE 208/230---1---60
 CONTROL VOLTAGE: LOW VOLTAGE PULSE DC
 RATED COOLING CAPACITY (BTUH) 29,000
 COOLING CAP. RANGE MIN --- MAX BTUH 7,500 --- 33,000 8,530
 RATED HEATING CAPACITY (BTUH) 30,400
 HEATING CAP. RANGE MIN --- MAX BTUH 7,500 --- 35,000
 OPERATING WEIGHT LB (KG) 137 (62.1)
 REFRIGERANT TYPE R-410A
 METERING DEVICE (AT OUTDOOR UNIT) EXV
 CHARGE LB (KG) 4.9 (2.2)
 COMPRESSOR TYPE: INVERTER DRIVEN ROTARY
 MODEL: TNB220FLHMC
 OUTDOOR FAN
 CFM HI/MED/LO 1942 / 1707 / 1413
 DIAMETER (IN) 17.5 20.5 21.7 22.4
 WATTS: 60

INDOOR UNIT 40GVM 012
 SYSTEM VOLTAGE 208/230---1---60
 CONTROL VOLTAGE: LOW VOLTAGE PULSE DC
 NOMINAL COOLING CAPACITY (BTUH) 12,000
 NOMINAL HEATING CAPACITY (BTUH) 13,000
 OPERATING WEIGHT LB (KG) 29.0 (13)
 REFRIGERANT TYPE R-410A
 MOISTURE REMOVAL RATE (PINTS/HR) 2.9
 RPM/CFM (SUPER HIGH) --- COOLING 1280 / 341
 RPM/CFM (SUPER HIGH) --- HEATING 1300 / 341
 MOTOR WATTS: 20
 MODES COOL/HEAT/DRY/AUTO
 FAN MODE HIGH/MEDIUM/LOW/AUTO
 EMERGENCY MODE: YES
 REFRIGERANT LINES:
 LIQUID (MIX PHASE) IN OD 1/4"
 VAPOR LINE IN OD 3/8"
 CONDENSATE DRAIN:
 SIZE IN ID = 1/2" OD = 5/8"

REVISIONS	BY

SENIUK RESIDENCE
 528 TITAN STREET
 PHILADELPHIA, PA 19147

PHOTODESIGN.NET
 732 BANBOR STREET
 PHILADELPHIA, PA
 19106
 215-629-0295



ARCHITECTURAL STAMP

DRAWN	SRH
CHECKED	
DATE	7/29/2015
SCALE	AS INDICATED
JOB NO.	15-014
SHEET	

M-101