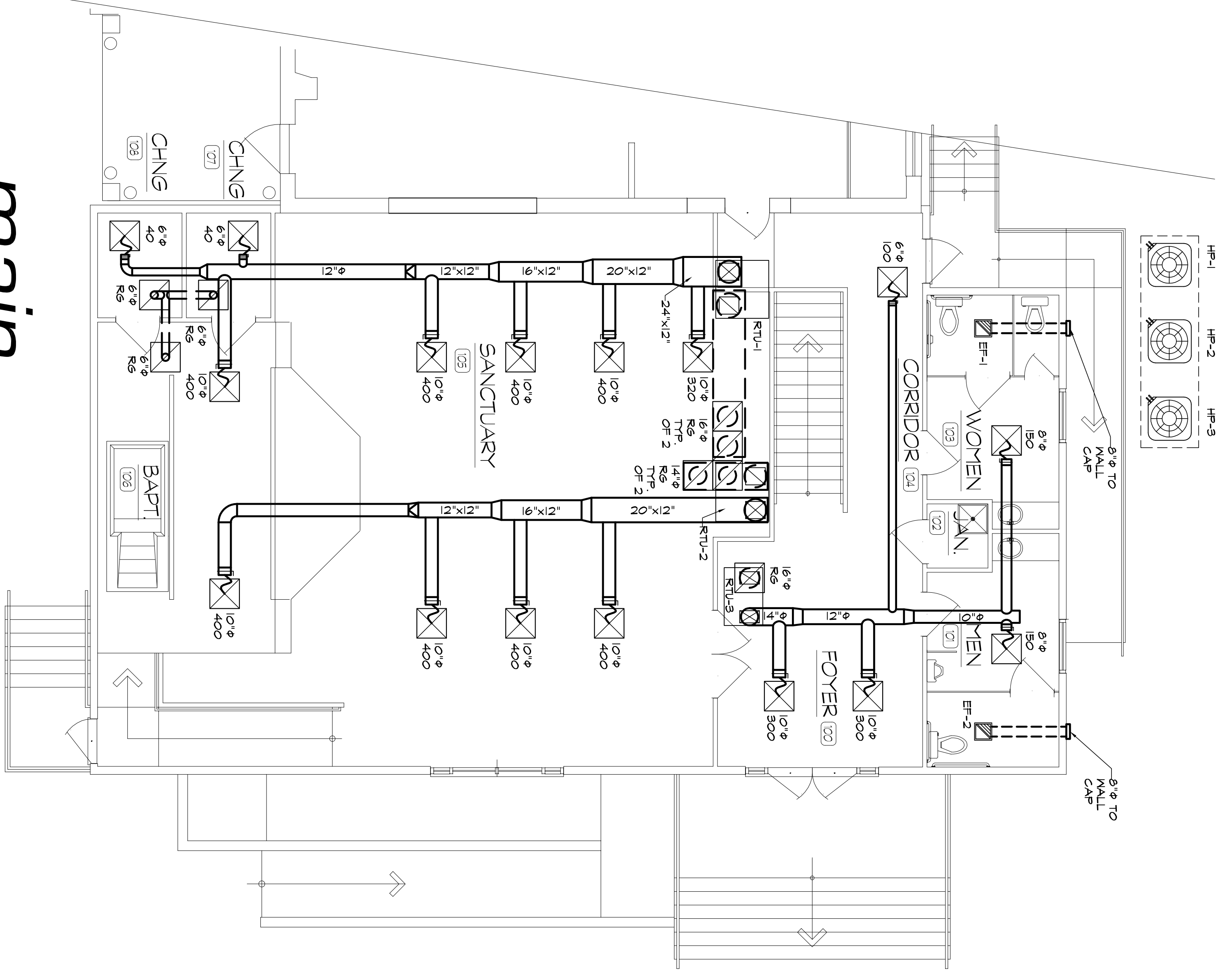


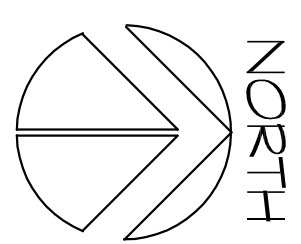
basement hvac floor plan

SCALE: 3/16" = 1'-0" 2,459 SF.



main hvac floor plan

SCALE: 3/16" = 1'-0" 2,459 SF.



LEGEND	
HP	HEAT PUMP
EF	EXHAUST FAN
RTU	ROOF TOP UNIT
FCU	FAN COIL UNIT
OA	OUTSIDE AIR
RS	RETURN GRILLE
□	SUPPLY DIFFUSER
□	RETUR/EXHAUST GRILLE
□	RETURN SQUARE TO ROUND BOOT
⊖	THERMOSTAT
⊖	CARBON DIOXIDE SENSOR
⊖	SPRING FITTING W/DAMPERS
⊖	ELBOW W/TURNING VANES
—	SUPPLY DUCT
---	RETUR/EXHAUST DUCT
---	OUTSIDE AIR DUCT
~	FLEXIBLE DUCT
—	SAME SIZE AS DIFFUSER NECK
—	MANUAL DAMPER
—	MOTOR OPER. DAMPER
—	INTERLOCKED MOUNT SUPPLY FAN
—	FIRE / SMOKE DAMPER (VERTICAL)
—	FIRE / SMOKE DAMPER (HORIZONTAL)

GENERAL NOTES

- ROUTE CONDENSATE LINES TO NEAREST P.L.S. VENT, FLOOR DRAIN OR TO EXTERIOR.
- FOR ALL ROOF OR WALL PENETRATIONS, EXHAUST AND VENTILATION AIR, PROVIDE WEATHERROOF CAP, FLASHING AND BIRD SCREEN. ALL OUTSIDE AIR INLETS TO BE 10'-0" MIN. FROM ANY EXHAUST OR PLUMBING VENT OPENING. LOCATE ROOF CAPS ON BACK SIDE OF ROOF.
- PLACE ALL OUTDOOR CONDENSING UNITS ON LEVEL, CONCRETE PAD. ROUTE FLUID AND SLOSION LINES TO THE OUTSIDE OF THE BUILDING AND ENTER BUILDING AT CEILING SPACE. PROVIDE 1-1/2" THICK INSULATION ON EACH LINE AND SECURE RIGIDLY TO WALL AND INSIDE CEILING SPACE.
- PROVIDE MANUFACTURER LONG LINE APPLICATION KIT FOR REFRIGERANT PIPING LENGTHS GREATER THAN 50 FT.
- PROVIDE LOW AMBIENT CONTROLS ON ALL CONDENSING UNITS.
- EXTEND FRUSTRATE FLUES UP THROUGH ROOF OR THRU WALL COMBINATION VENT PROVIDED WITH FURNACES.
- TOILET EXHAUST FANS TO OPERATE WHEN ROOM LIGHT SWITCH IS ACTIVATED. MARKING KITCHEN FAN TO OPERATE BY SWITCH INTEGRAL TO UNIT.
- ALL LOUVER SIZES ARE FREE AREA. SIZE AT 500 FPM MAX.
- UNDERCUT ALL RESTROOM DOORS 1".
- DUCTS IN SANCTUARY TO BE FILL'Y LINED W/ 1" THICK FIBERGLASS.
- PROVIDE SMOKE DETECTORS IN RETURN OF UNITS 2000 CFM OR GREATER.
- MOUNT THERMOSTATS 5' AFF AND PROVIDE LOCKABLE STEEL COVERS.
- PROVIDE PROGRAMMABLE THERMOSTATS.
- LINE SUPPLY AND RETURN DUCT IN SANCTUARY FOR ENTIRE LENGTH.
- LINE FIRST 10' OF SUPPLY AND RETURN IN ALL OTHER AREAS.
- INSULATE ALL DUCTWORK, OUTSIDE AIR DUCTS, REFRIGERANT LINES AND CONDENSATE LINES.
- DESIGN BASIS FOR AIR HANDLING EQUIPMENT IS CARRIER OR EQUAL.
- DESIGN BASIS FOR EXHAUST FANS IS PENN OR EQUAL.
- DESIGN BASIS FOR DIFFUSERS AND GRILLES IS TITUS OR EQUAL. COLOR BY ARCHITECT. COORDINATE WITH ELECTRICAL CEILING PLAN.
- PROVIDE FIRE DAMPERS IN DUCTWORK THRU RATED WALLS IF BLDG. IS NOT FIRE PROTECTED.

REVISIONS	
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△	
△	
△	

REVISIONS AND COMMENTS SHALL BE SHOWN ON THE DRAWING AND COPIES THEREOF. THE DESIGNER'S RESPONSIBILITY IS TO CORRECT ERRORS. ANY USE OF THE DRAWING FOR A PROJECT OTHER THAN THAT FOR WHICH IT WAS DESIGNED IS AT THE USER'S RISK. THE DESIGNER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.

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new facility for:
washington seventh day baptist church
 CRITTENDEN @ 16TH, WASHINGTON, D.C.

project no. 2K70009
 date: AUG. 18, 2008
 scale: AS SHOWN
 sheet no. **M1**