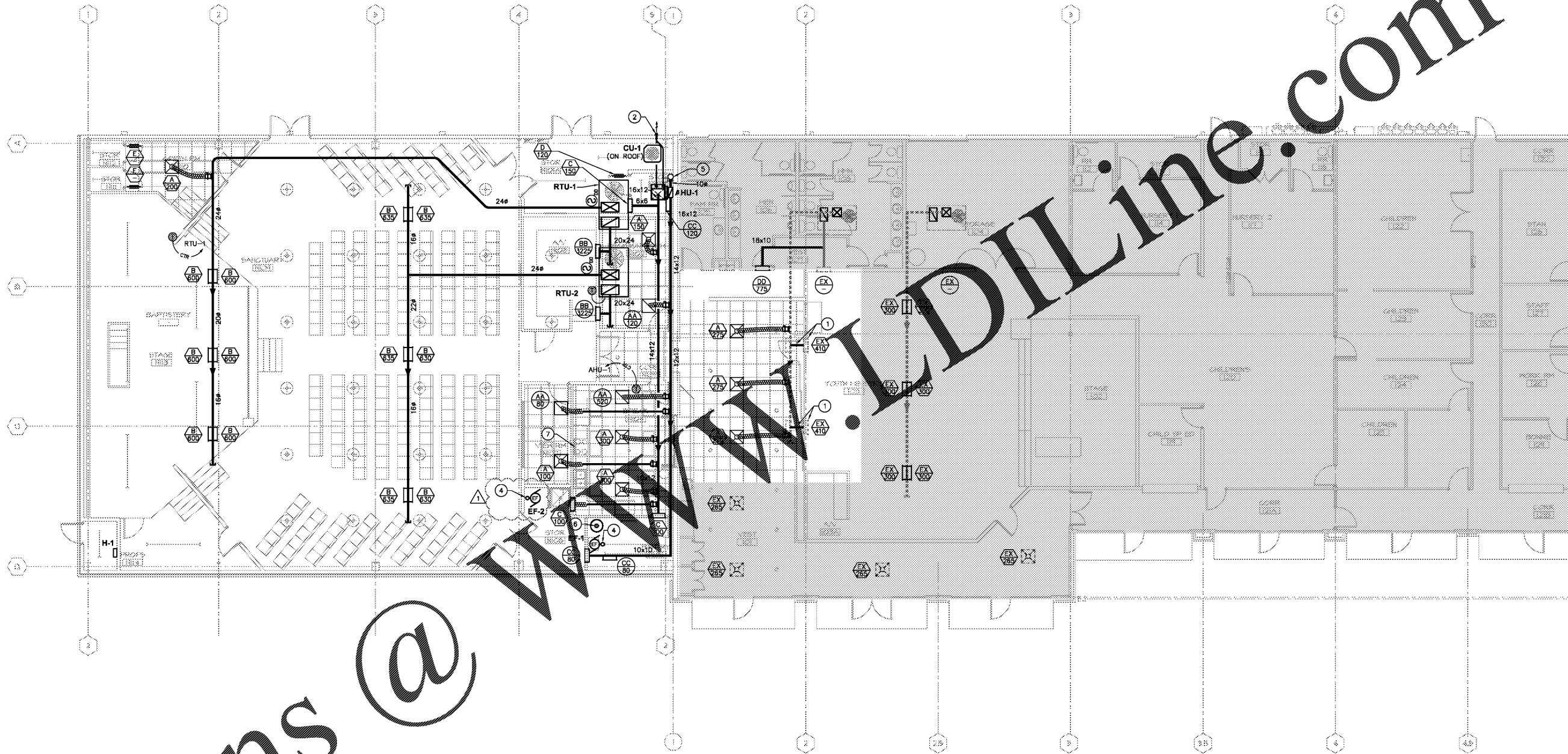


S/A	R/A	FLOW (CFM)
6"	8"	50-125
8"	10"	130-195
10"	12"	200-330
12"	14"	335-450
14"	16"	455-700
-	18"	705-1100
-	22x22	1105-1600
-	-	1605-2000

1. FLEX DUCT SHALL BE PER TABLE UNLESS NOTED OTHERWISE.
2. RETURN AIR FLEX DUCT SHALL BE SIZED BASED ON SUPPLY AIR IN SAME ROOM.

KEY NOTES

1. RELOCATE EXISTING SUPPLY AIR REGISTER AS SHOWN AND RECONNECT FOR OPERATION. TAP INTO EXISTING DUCT WITH NEW 6x10 DUCT.
2. PROVIDE PVC FLUE AND COMBUSTION AIR PIPES TO CONCENTRIC FITTING AT ROOF. SIZE PIPING PER MANUFACTURERS RECOMMENDATIONS.
3. SIDE DISCHARGE SUPPLY AND RETURN DUCTS.
4. 6" EXHAUST LINE UP TO ROOF CAP.
5. OUTSIDE AIR DUCT FROM ROOF CAP TAPS INTO SIDE OF RETURN DUCT. PROVIDE MOTORIZED DAMPER INTERLOCKED WITH FURNACE OR CONDENSING UNIT OPERATION.
6. PROVIDE FLUE TO ROOF FOR GAS WATER HEATER. SIZE PIPING PER MANUFACTURERS RECOMMENDATIONS (TYPICAL).
7. PROVIDE RANGE HOOD WITH FIRE SUPPRESSION SYSTEM. PROVIDE DUCT UP TO ROOF CAP SEE DETAIL AND SCHEDULE ON SHEET M6.1. NFPA 96 COMPLIANT HOOD NOT REQUIRED PER GEORGIA STATE FIRE MARSHAL AMENDMENTS TO NFPA 96 1.1.4 PROVIDED ALL THE FOLLOWING CONDITIONS ARE MET.
 1. RANGE / OVEN SHALL BE RESIDENTIAL TYPE.
 2. RANGE SHALL HAVE A MAXIMUM OF 4 BURNERS.
 3. RANGE SHALL BE USED FOR FOOD WARMING AND LIMITED COOKING ONLY.
 4. RANGE SHALL BE PROVIDED WITH A LISTED SELF-CONTAINED RESIDENTIAL FIRE SUPPRESSION SYSTEM. PROVIDE DUCTED VENT TO OUTSIDE.
 5. THE CHURCH FACILITY SHALL HAVE NO MORE THAN ONE (1) RANGE.
 6. PROVIDE FIRE EXTINGUISHERS LOCATED IN KITCHEN AREA IN ACCORDANCE WITH NFPA 10.



1 MECHANICAL PLAN
M2.1 1/8"=1'-0"

Order Plans @

Project Title:
ADDITION TO CANVAS CHURCH
3560 BROWN'S BRIDGE ROAD
CUMMING, GA 30028

Drawing Title:
MECHANICAL PLAN

Not Released for Construction Date: 03APR17

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Revisions	REVISION/COMMENTS
0-31-17	1

Impact
DESIGN-BUILD
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ARCHITECTS

These drawings are instruments of the Architect's service for use solely with respect to this project. These drawings shall not be used by the Owner or others on other projects, additions to this project or completion of this project by others except by written agreement.
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Project No:
M2.1
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