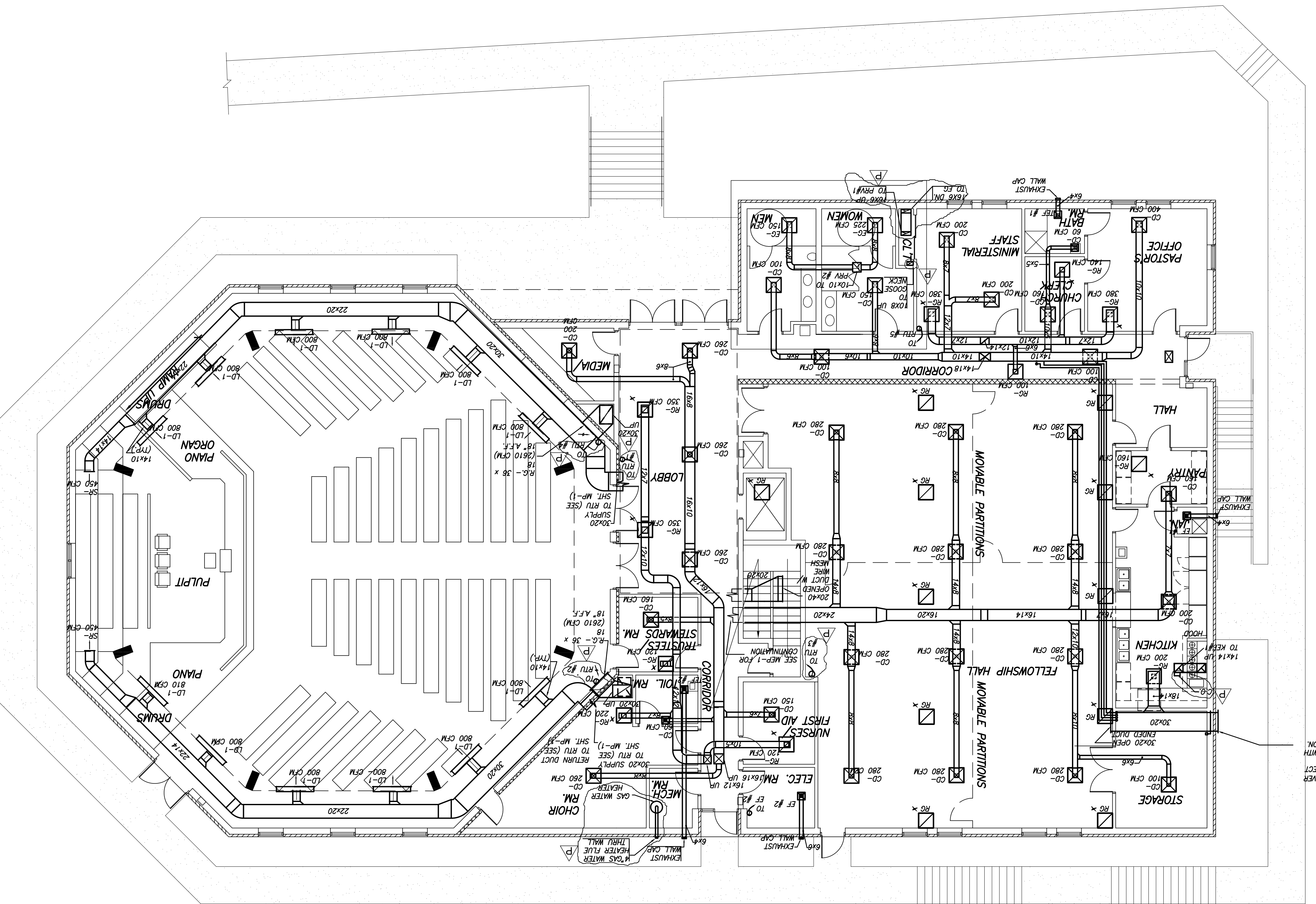


SCALE: 1/8"=1'-0"
GROUND FLOOR PLAN - MECHANICAL



- MECHANICAL LEGEND**
- NEW DUCTWORK
 - SIDE REGISTER (SR)
 - FLEXIBLE CONNECTION
 - CEILING DIFFUSER (CD)
 - RETURN GRILLE (RG)
 - THERMOSTAT
 - TOILET EXHAUST FAN (TEF) OR EXHAUST FAN (EF)
 - EXHAUST DUCT UP
 - RETURN DUCT UP
 - SUPPLY DUCT UP
 - TRANSFER DUCT W/ FIRE DAMPER
 - CONDENSATE LINE
 - REFRIGERANT LINE (REF)
 - POINT OF CONNECTION
 - NEW TO EXISTING
 - VARIABLE VOLUME
 - TRANSFER DAMPER
 - BT-PASS DAMPER
 - OUTSIDE AIR DAMPER
 - RETURN AIR DAMPER
 - FIRE DAMPER
 - AIR HANDLING UNIT
 - CUBIC FEET PER MINUTE
 - CONDENSING UNIT
 - DOWN
 - TYPICAL
 - OUTSIDE AIR
 - EXIST.
 - A.T.C.P. - AUTOMATIC TEMPERATURE CONTROL PANEL

DO NOT RELY ON LAMINAR FLOW DAMPERS WITH SCREENS FOR INSECT AND RODENT PROTECTION.

- MECHANICAL NOTES**
1. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL TO COMPLETE AND FURNISH THESE DRAWINGS IN ACCORDANCE WITH THE GENERAL CONDITIONS AND NOTES TO THESE DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
 2. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES THAT GOVERN AND BASE CONTRACT DOCUMENTS AND SPECIFICATIONS.
 3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE REFLECTED CEILING PLAN, CEILING HEIGHTS, AND COMPONENTS.
 4. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, PERMITTING TO HIS WORK PRIOR TO THE START AND DURING THE COURSE OF CONSTRUCTION AS REQUIRED.
 5. ALL ROOF DUCT SHALL BE DAMPERS WITH METAL SHEET PILING DAMPERS FOR LOW PRESSURE DUCT. ALL ROOF DUCT SHALL BE DAMPERS WITH METAL SHEET PILING DAMPERS FOR LOW PRESSURE DUCT.
 6. MOUNT THERMOSTAT AT 5'-6" A.F.F.
 7. ALL DIFFUSERS ARE 24" X 24" BAR LAY-IN, BUILDING STANDARD UNLESS OTHERWISE NOTED.
 8. CONTRACTOR SHALL PAY FOR AND COORDINATE ALL ROOF PENETRATIONS.
 9. CONTRACTOR SHALL COORDINATE AND PAY FOR ALL GAS AND/OR ELECTRIC POWER CONNECTIONS AND ALL CONTROL WIRING.
 10. CONTRACTOR SHALL COORDINATE AND PAY FOR ALL GAS AND/OR ELECTRIC POWER CONNECTIONS AND ALL CONTROL WIRING.
 11. PROVIDE 1" SOUND INSULATION A MINIMUM OF 10'-0" FROM FAN ROOMS, THERMO-CASES, CONDENSERS, AND ALL DUCTS IN UNOCCUPIED AREAS.
 12. ALL TAKE-OFFS SHALL BE PROVIDED WITH MANUAL SHUT-OFF DAMPERS.
 13. THE CONTRACTOR SHALL PROVIDE THE SERVICES OF AN INDEPENDENT AIR BALANCE AND TESTING AGENCY, APPROVED BY THE CONTRACTING OFFICE, WHICH SPECIALIZES IN TESTING AND TESTING OF HVAC SYSTEMS. MOST AIR TERMINALS TO PROVIDE AIR FLOWS AS DESIGNED AND SUBMIT WRITTEN REPORT.

Drawing No.	M-2												
File No.	BETH_A01												
Checked:	C.FORD												
Drawn:	PAL												
Scale:	1/8"=1'-0"												
Date:	NOV. 29, 2005												
Project Title:	BETH SHALOM A.M.E. ZION CHURCH 2501 RITCHEE ROAD DISTRICT HEIGHTS, MARYLAND 20735												
Engineers:	CHARLES FORD & ASSOCIATES CONSULTING - ENGINEERS & PLANNERS 4329 GREENBAY AVE., N.W. WASH., D.C. (202) 722-4140												
Architect:	Philip Aaron Lacy, Architect 4013 21st. Place Temple Hills, Maryland 20778 Phone: 301-894-7979												
Revisions:	<table border="1"> <tr> <th>Rev.</th> <th>Description</th> <th>Date</th> </tr> <tr> <td>1</td> <td>PERMIT</td> <td>10-3-07</td> </tr> <tr> <td>2</td> <td>PERMIT</td> <td>07-8-08</td> </tr> <tr> <td>3</td> <td>PERMIT</td> <td>11/06/08</td> </tr> </table>	Rev.	Description	Date	1	PERMIT	10-3-07	2	PERMIT	07-8-08	3	PERMIT	11/06/08
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