## ROOFTOP HEATING & COOLING UNIT SCHEDULE

| UNIT NUMBER | RTU-1 | RTU-2 | RTU-3 | RTU-4 | RTU-5 | RTU-6 | RTU-7 | RTU-8 | RTU-9 | RTU-10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CFM | 2,420 | 3,000 | 6,000 | 6,000 | 3,550 | 6,000 | 6,000 | 2,400 | 2,400 | 2,000 |
| OA CFM | 450 | 450 | 900 | 900 | 530 | 900 | 900 | 360 | 360 | 300 |
| BLOWER HP | 2 | 2 | 7.5 | 7.5 | 2 | 7.5 | 7.5 | 1.5 | 1.5 | 1.5 |
| EXT. SP (IN. H2O) | 0.8 | 0.6 | 1.6 | 1.6 | 0.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.6 |
| VOLTAGE / PH | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 | 460/3 |
| MIN. CIRCUIT AMPS. | 22 | 22 | 49 | 49 | 22 | 49 | 49 | 18 | 18 | 16 |
| MOCP | 25 | 25 | 50 | 50 | 25 | 50 | 50 | 25 | 25 | 20 |
| MIN. EER | 11.3 | 11.3 | 11.8 | 11.8 | 10.3 | 11.8 | 11.8 | 10.5 | 10.5 | 10.4 |
| BTUH SENSIBLE | 66,674 | 66,674 | 133,866 | 133,866 | 89,790 | 133,866 | 133,866 | 54,750 | 54,750 | 46,125 |
| BTUH TOTAL | 90,100 | 90,100 | 180,900 | 180,900 | 123,000 | 180,900 | 180,900 | 73,000 | 73,000 | 61,500 |
| EAT (°db) | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| EAT (°wb) | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| AMB. TEMP. °F | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| HTG MBH IN | 130 | 130 | 260 | 260 | 130 | 260 | 260 | 78 | 78 | 78 |
| HTG MBH OUT | 104 | 104 | 208 | 208 | 104 | 208 | 208 | 62 | 62 | 62 |
| MANUFACTURER | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX | LENNOX |
| MODEL NUMBER | LGA090H2B | LGA090H2B | LGC180H2B | LGC180H2B | LGC120H2B | LGC180H2B | LGC180H2B | LGA072H2B | 48HJDE007 | LGA060H2B |
| REMARKS | | | | | | | | | | |

NOTES:

1. EXT. STATIC PRESSURE (S.P.) INCLUDES DUCTWORK, GRILLES AND DIFFUSERS.
2. UNITS SHALL BE FURNISHED COMPLETE WITH VIBRATION ISOLATION ROOF CURBS.
3. UNITS SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS.
4. UNITS SHALL BE FURNISHED WITH WALL MOUNTED THERMOSTAT, AND CONNECTED TO ENERGY MANAGEMENT SYSTEM.
5. UNIT ROOF CURBS SHALL BE FABRICATED TO MATCH ROOF SLOPE
6. PROVIDE EXPANDED METAL HAILGUARDS ON ALL UNITS.
7. INSTALL SMOKE DETECTORS IN RETURN DUCTS AS REQUIRED BY LOCAL CODE FOR UNITS IN EXCESS OF 2000 CFM, SMOKE DETECTORS ARE TO SHUT-OFF UNITS IMMEDIATELY UPON DETECTION OF SMOKE.
8. PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPERS AND CONTROLS, AND RELIEF DAMPER, PER SPECIFICATIONS.

## AIR DEVICE SCHEDULE

| TYPE | DESCRIPTION | OPPOSED BLADE DAMPER | FINISH | METALAIRE MODEL NO. |
|---|---|---|---|---|
| S1 | 24x24 SQ. LOUVERED FACE CEILING DIFFUSER, 6"ø NECK | NO | WHITE ENAMEL | SERIES 5800 |
| S2 | 24x24 SQ. LOUVERED FACE CEILING DIFFUSER, 8"ø NECK | NO | WHITE ENAMEL | SERIES 5800 |
| S3 | 24x24 SQ. LOUVERED FACE CEILING DIFFUSER, 10"ø NECK | NO | WHITE ENAMEL | SERIES 5800 |
| S4 | 24x24 SQ. LOUVERED FACE CEILING DIFFUSER, 12"ø NECK | NO | WHITE ENAMEL | SERIES 5800 |
| S5 | 12x12 SQ. LOUVERED FACE CEILING DIFFUSER, 6"ø NECK | NO | WHITE ENAMEL | SERIES 5800 |
| S6 | LINEAR SUPPLY AIR GRILLE 60" BY 3 - 3/4" SLOTS, 10"ø NECK | NO | WHITE ENAMEL | SERIES 6675-BPI |
| S7 | LINEAR SUPPLY AIR GRILLE 60" BY 2 - 3/4" SLOTS, 8"ø NECK | NO | WHITE ENAMEL | SERIES 6675-BPI |
| S8 | 24x6 DRUM LOUVER SUPPLY REGISTER | NO | WHITE ENAMEL | SERIES RL-DF |
| R1 | 24X24 CEILING RETURN AIR GRILLE-PERFORATED FACE | NO | WHITE ENAMEL | SERIES 7500R |
| R2 | 24X12 CEILING RETURN AIR GRILLE-PERFORATED FACE | NO | WHITE ENAMEL | SERIES 7500R |
| R3 | 12X12 CEILING RETURN AIR GRILLE-PERFORATED FACE | NO | WHITE ENAMEL | SERIES 7500R |
| E1 | 12X12 CEILING EXHAUST REGISTER-PERFORATED FACE | YES | WHITE ENAMEL | SERIES 7500R OR 7550R |

NOTES:

1. ALL SUPPLY DIFFUSERS LISTED AS LOUVERED FACE TYPE SHALL BE FOUR (4) CONE LOUVER TYPE
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
3. ALL AIR DEVICES INSTALLED IN GYP BOARD, PLASTER, OR OTHER HARD CEILINGS SHALL HAVE A SEPARATE UNTING FRAME.

## HVAC GENERAL NOTES:

1. FURNISH AND INSTALL ALL MATERIALS AND LABOR REQUIRED TO PROVIDE COMPLETE AND OPERABLE HVAC SYSTEMS WITH ALL ITEMS AND APPURTENANCES NECESSARY EVEN THOUGH NOT SPECIFICALLY IDENTIFIED.
2. ALL WORK AND/OR MATERIALS SHALL BE INSTALLED BY A LICENSED CONTRACTOR AND SHALL CONFORM TO ALL APPLICABLE NATIONAL AND LOCAL BUILDING AND MECHANICAL CODES.
3. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INSTALL TURNING VANES IN ALL DUCTWORK ELBOWS.
4. COORDINATE EXACT ROUTING OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF WORK.
5. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION AND ROUTING OF DUCTWORK WITH REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING LAYOUT. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL AIR DEVICES WITH REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING AND OTHER LAYOUTS.
6. ALL SUPPLY AND RETURN AIR DUCTWORK SERVING THE WORSHIP SPACE SHALL BE LINED WITH 2" THICK ACOUSTICAL LINING,
7. ALL OTHER DUCTWORK SHALL BE LINED WITH 1.5" THICK ACOUSTICAL LINING 20' FROM THE UNIT AND HAVE 2" THICK, .75 LB/CF FSK WRAP INSULATION (MINIMUM INSTALLED R-VALUE = R-5) BEYOND THE DUCT LINER.
8. INSTALL FLEXIBLE DUCTWORK CONNECTIONS AT ALL DUCT CONNECTIONS TO AIR HANDLING UNITS, ROOF TOP UNITS AND FANS.
9. ALL DUCT DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS.
10. MOUNT ALL THERMOSTATS AND TEMPERATURE SENSERS 4'-0" ABOVE FLOOR (TYPICAL).
11. SUPPORT ALL ROOF MOUNTED CONDENSING UNITS WITH METAL CAPPED ROOF CURBS PER FIGURE 4-16D, SMACNA ARCHITECTURAL SHEET METAL MANUAL, 5TH EDITION.
12. CONCEALED DAMPER REGULATORS ARE REQUIRED FOR ALL VOLUME DAMPERS LOCATED ABOVE GYP BOARD, PLASTER OR OTHER HARD CEILINGS. PROVIDE EACH SUCH VOLUME DAMPER WITH A REMOTE OPERATOR/REGULATOR AND CONCEALED TYPE REGULATOR COVER. WHERE REQUIRED, PROVIDE WORM GEAR OR MITER GEAR TYPE CONNECTIONS BETWEEN VOLUME DAMPER AND DAMPER REGULATOR/OPERATOR.
13. LOCATE CONCEALED DAMPER REGULATORS IN CEILING IN SYMMETRICAL OR EVENLY SPACED PATTERNS WHERE POSSIBLE. OTHERWISE, COORDINATE LOCATIONS OF CONCEALED REGULATORS WITH OTHER CEILING MOUNTED ITEMS TO BE NON-OBTRUSIVE AND AS INCONSPICUOUS AS POSSIBLE. ALL REGULATOR LOCATIONS TO BE SUBMITTED FOR APPROVAL BY THE ARCHITECT.

## AIR CONDITIONING UNITS (SPLIT SYSTEM)

| TAG | TYPE | AIR HANDLER - FAN - CFM | EXT. S.P. (IN. WTR.) | MOTOR(S) MAX HP | MOTOR(S) VOLTS/PHASE | HEATING KW | MCA/MOCP | MINIMUM OUTDOOR AIR (CFM) | MANUFACTURER/MODEL NO. | TAG | COOLING COIL TOTAL BTUH | COOLING COIL SENSIBLE BTUH | NO. OF COMPRESSORS | MCA/MOCP | VOLTS/PHASE | AMBIENT °F | MANUFACTURER/MODEL NO. | MINIMUM SYSTEM SEER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-1 | HORZ. | 800 | 0.4 | 1/2 | 208/1 | - | 5/15 | - | LENNOX CB-X-MV-024/030 | CU-1 | 26,000 | 20,280 | 1 | 17.8/30 | 208/1 | 105 | LENNOX HSXA12-024 | 13.0 |
| AHU-2 | HORZ. | 800 | 0.4 | 1/2 | 208/1 | 8 | 41/45 | - | LENNOX CB-X-MV-024/030 | CU-2 | 26,000 | 20,280 | 1 | 17.8/30 | 208/1 | 105 | LENNOX HSXA12-024 | 13.0 |

NOTES:

1. PROVIDE ALL UNITS WITH A TWO POSTION MOTORIZED DAMPER IN OUTSIDE AIR DUCT TO CLOSE WHEN UNIT IS OFF AND TO OPEN WHEN UNIT IS ON.
2. THE CONTRACTOR WILL INSTALL A UL - LISTED IONIZATION SMOKE DETECTOR IN THE MAIN RETURN AIR DUCT OF EACH UNIT. CONNECT THE DETECTORS INTO THE CONTROL CIRCUIT TO STOP THE FAN IN THE EVENT OF THE PRESENCE OF SMOKE.
3. EXTERNAL STATIC PRESSURE INCLUDES DUCTWORK, DUCT FURNACES, ELBOWS, DIFFUSERS, ETC.
4. INSTALL CONDENSING UNITS ON ISOLATION RAILS, REFER TO GENERAL NOTE 10, SHEET M1.1 FOR REQUIREMENTS.

## FAN SCHEDULE

| FAN NUMBER | EF-1 | EF-2 | EF-3 | EF-4 | EF-5 |
|---|---|---|---|---|---|
| SERVICE | TOILETS | TOILETS | TOILETS | TOILETS | TOILETS |
| TYPE | ROOF MOUNTED | ROOF MOUNTED | ROOF MOUNTED | CEILING MOUNTED | ROOF MOUNTED |
| CFM | 850 | 750 | 80 | 100 | 150 |
| EXT. SP. (IN.) | 0.4 | 0.4 | 0.4 | 0.25 | 0.4 |
| MAX. FAN RPM | 804 | 804 | 985 | 1,100 | 1,154 |
| MAX. SONES | 5.2 | 5.2 | 3.4 | 1.9 | 5.0 |
| MOTOR HP | 1/4 | 1/4 | 1/6 | 53 WATTS | 1/6 |
| VOLTAGE | 115/1 | 115/1 | 115/1 | 115/1 | 115/1 |
| MANUFACTURER | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK |
| MODEL NUMBER | GB-141 | GB-141 | GB-071 | SP-A125 | GB-071 |
| CONTROL | TIME CLOCK | TIME CLOCK | TIMECLOCK | SWITCH | TIMECLOCK |
| EQUIP. INTERLOCK | | | | | |
| REMARKS | NOTE 1,3 & 4 | NOTE 1,3 & 4 | NOTE 1,3 & 4 | NOTE 2 | NOTE 1,3 & 4 |

NOTES:

1. SP INCLUDES DUCTWORK AND DAMPERS.
2. ROUTE FULL SIZE DISCHARGE DUCT UP THRU ROOF. PROVIDE FLASHING AND DISCHARGE DUCT CAP.
3. PROVIDE ALL EXHAUST FANS WITH A BACKDRAFT DAMPER.
4. REFER TO NOTE 1, SHEET M1.01 FOR TIMECLOCK.

## SOUND ATTENUATORS

| TAG | AIR MOVING EQUIPMENT SYSTEM | MAX CFM | UNIT MAX. ALLOWABLE DISCHARGE SOUND POWER LEVELS-DB OCTAVE BANDS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | SOUND ATTENUATOR DIMENSIONS W X H X L | MAX. P.D. (IN. OF WTR.) | DYNAMIC INSERTION LOSS-DB OCTAVE BANDS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ATTENUATOR WEIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA-1 | RTU-3,4,6 & 7 | 6,000 | - | 79 | 73 | 71 | 66 | 64 | 62 | 55 | 24"x40"x60" | 0.1 | 7 | 8 | 7 | 13 | 16 | 22 | 16 | 12 | 165 | VIBRO-ACOUSTICS MODEL RED-UHV-FJ |
| RA-1 | RTU-3,4,6 & 7 | 6,000 | - | 77 | 63 | 57 | 53 | 50 | 50 | 47 | 24"x40"x60" | 0.19 | 10 | 11 | 9 | 18 | 15 | 19 | 14 | 13 | 175 | VIBRO-ACOUSTICS MODEL RED-HV-FJ |

## DUCTLESS SPLIT SCHEDULE

| UNIT NUMBER | AC-1 |
|---|---|
| TOTAL CFM | 400 |
| TOTAL COOLING BTUH | 12,300 |
| EER | 10.0 |
| UNIT MCA | 2.0 |
| MOCP | 15 |
| VOLTAGE/PHASE | 115/1 |
| INDOOR MODEL NUMBER | PLL12FK |
| UNIT MCA | 11 |
| MOCP | 15 |
| VOLTAGE/PHASE | 208/1 |
| OUTDOOR MODEL NUMBER | PUL12EK |
| MANUFACTURER | MITSUBISHI |

COM*check* Software Version 3.4.2

## Mechanical Compliance Certificate

### 2006 IECC

Report Date: 03/04/08
Data filename: E:\2006.000.000\2006.172.000\IECC\EastSide.cck

### Section 1: Project Information

Project Title: East Side Church of Christ

Construction Site:
MLK @ Highway 183
Austin, TX

Owner/Agent:

Designer/Contractor:
Gibran Michel
Baird, Hampton & Brown, Inc.
6300 Ridglea Place
Fort Worth, TX 76116
817-338-1277

### Section 2: General Information

Building Location (for weather data): Austin, Texas
Climate Zone: 2a
Heating Degree Days (base 65 degrees F): 1688
Cooling Degree Days (base 50 degrees F): 7171
Project Type: New Construction

### Section 3: Mechanical Systems List

| Quantity | System Type & Description |
|---|---|
| 1 | HVAC System 1: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=54 - <65 kBtu/h, Air-Cooled Condenser / Single Zone |
| 2 | HVAC System 2: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=65 - <90 kBtu/h, Air-Cooled Condenser / Single Zone |
| 3 | HVAC System 3: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=90 - <135 kBtu/h, Air-Cooled Condenser / Single Zone |
| 4 | HVAC System 4: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=135 - <240 kBtu/h, Air-Cooled Condenser / Single Zone |
| 2 | HVAC System 5: Cooling: Split System, Capacity <54 kBtu/h, Air-Cooled Condenser / Single Zone |
| 1 | HVAC System 6: Heating: Central Furnace, Electric / Cooling: Split System, Capacity <54 kBtu/h, Air-Cooled Condenser / Single Zone |
| 1 | Storage Water Heater 1: Gas Storage Water Heater, Capacity: 80 gallons, Input Rating: 75000 Btu/h w/ Circulation Pump |
| 1 | Instantaneous Water Heater 1: Electric Instantaneous Water Heater, Capacity: 1 gallons |

### Section 4: Requirements Checklist

**Requirements Specific To: HVAC System 1 :**

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements
- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 9.7 SEER

**Requirements Specific To: HVAC System 2 :**

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements
- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 10.1 EER

**Requirements Specific To: HVAC System 3 :**

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements



- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 10.1 EER

**Requirements Specific To: HVAC System 4 :**

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements
- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 9.5 EER

**Requirements Specific To: HVAC System 5 :**

- ☐ 1. Equipment minimum efficiency: Split System: 10.0 SEER

**Requirements Specific To: HVAC System 6 :**

- ☐ 1. Equipment minimum efficiency: Split System: 10.0 SEER

**Requirements Specific To: Storage Water Heater 1 :**

- ☐ 1. Hot water system sized per manufacturer's sizing guide
- ☐ 2. Gas Storage Water Heater efficiency >= 0.52 EF
- ☐ 3. All piping in circulating system insulated
- ☐ 4. Hot water storage temperature adjustable down to 120 degrees F or lower
- ☐ 5. Automatic time control of heat tapes and recirculating systems present
- ☐ 6. Controls will shut off operation of circulating pump between water heater/boiler and storage tanks within 5 minutes after end of heating cycle

**Requirements Specific To: Instantaneous Water Heater 1 :**

- ☐ 1. Hot water system sized per manufacturer's sizing guide
- ☐ 2. Electric Water Heater efficiency >= 0.93 EF, 55 SL, Btu/h (if > 12 kW)
- ☐ 3. First 8 ft of outlet piping is insulated

**Generic Requirements: Must be met by all systems to which the requirement is applicable:**

- ☐ 1. Load calculations per 2001 ASHRAE Fundamentals
- ☐ 2. Plant equipment and system capacity no greater than needed to meet loads
  - Exception: Standby equipment automatically off when primary system is operating
  - Exception: Multiple units controlled to sequence operation as a function of load
- ☐ 3. Minimum one temperature control device per system
- ☐ 4. Minimum one humidity control device per installed humidification/dehumidification system
- ☐ 5. Thermostatic controls has 5 degrees F deadband
  - Exception: Thermostats requiring manual changeover between heating and cooling
- ☐ 6. Automatic Controls: Setback to 55 degrees F (heat) and 85 degrees F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
  - Exception: Continuously operating zones
  - Exception: 2 kW demand or less, submit calculations
- ☐ 7. Outside-air source for ventilation; system capable of reducing OSA to required minimum
- ☐ 8. R-5 supply and return air duct insulation in unconditioned spaces R-8 supply and return air duct insulation outside the building R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
  - Exception: Ducts located within equipment
  - Exception: Ducts with interior and exterior temperature difference not exceeding 15 degrees F.
  - Exception: Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification
- ☐ 9. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
- ☐ 10. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
- ☐ 11. Hot water pipe insulation: 1 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in. Chilled water/refrigerant/brine pipe insulation: 1 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in. Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
  - Exception: Piping within HVAC equipment
  - Exception: Fluid temperatures between 55 and 105 degrees F
  - Exception: Fluid not heated or cooled
  - Exception: Runouts <4 ft in length
- ☐ 12. Operation and maintenance manual provided to building owner
- ☐ 13. Balancing devices provided in accordance with IMC 603.15
- ☐ 14. Piping, insulated to 1/2 in. if nominal diameter of pipe is <1.5 in.; Larger pipe insulated to 1 in. thickness



- ☐ 15. Lavatory faucet outlet temperatures in public restrooms limited to 110 degrees F (43 degrees C)
- ☐ 16. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
  - Exception: Gravity dampers acceptable in buildings <3 stories
  - Exception: Gravity dampers acceptable in systems with outside or exhaust air flow rates less than 300 cfm where dampers are interlocked with fan
- ☐ 17. Stair and elevator shaft vents are equipped with motorized dampers

### Section 5: Compliance Statement

*Compliance Statement:* The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submited with this permit application. The proposed mechanical systems have been designed to meet the 2006 IECC requirements in COM*check* Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

Gibran Michel - Mech. Designer — [signature] — 03-04-08
Name - Title — Signature — Date



LESLIE R. BROWN 60171 REGISTERED PROFESSIONAL ENGINEER — STATE OF TEXAS
3-7-08

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BHB PROJECT # 2006.172.000

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V. AUBREY HALLUM 2426 REGISTERED ARCHITECT STATE OF TEXAS

| Revisions: | By: |
|---|---|

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**NEW WORSHIP FACILITY**
EAST SIDE CHURCH of CHRIST
MLK @ HWY 183, AUSTIN, TEXAS

MECHANICAL SCHEDULES AND IECC FORMS

Date: 03-07-08
Scale: PER PLAN
Drawn: GHM
Job: 2006-05
Sheet Number: M3.01
AUDITORIUM