

C:\Work\Projects\23-47 St. Jude CC - Parish Hall Addn\Mech\2347-MOI.dwg 01/15/24 13:47:22 Rene's ASUS

MECHANICAL SYMBOLS AND ABBREVIATIONS			NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NECESSARILY USED ON THE DRAWINGS				
GENERAL NOTES		SYMBOLS		DRAWING/DETAIL REFERENCE		DEMOLITION WORK NOTES	
<div>1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.</div> <div>2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGNOSTIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT BID.</div> <div>3. CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. NOTIFY THE ARCHITECT OF ANY CONFLICTS.</div> <div>4. BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTOR'S FAILURE TO FIELD COORDINATE.</div> <div>5. THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.</div> <div>6. LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE (BUT NOT LIMITED TO) VALVES, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.</div> <div>7. PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.</div> <div>8. COORDINATE ELECTRICAL REQUIREMENTS OF APPROVED MECHANICAL EQUIPMENT WITH THE ELECTRICAL SUB-CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL EQUIPMENT, DEVICES, WIRING, OR CONDUIT.</div> <div>9. PROVIDE GENERAL CONTROL WIRING, THERMOSTATS, MOTORIZED DAMPERS AND CONDUIT ASSOCIATED WITH HVAC EQUIPMENT. COORDINATE THE LOCATION OF ALL THERMOSTATS, ROOM SENSORS, ETC WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC EXISTS, NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION. INSTALL THERMOSTATS WITH PROTECTIVE LOCKING COVER, CENTERED AT 4'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE INDICATED. COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS).</div> <div>10. ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE NET INSIDE CLEAR DIMENSIONS. FOR RECTANGULAR DUCT, THE FIRST FIGURE OF THE DUCT SIZE INDICATES THE DIMENSION OF THE FACE SHOWN. VERIFY THAT THE DUCTWORK SPECIFIED WILL FIT IN THE SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AS REFERENCE PRIOR TO FABRICATION AND INSTALLATION. ROUND DUCT OF EQUAL NET INSIDE CLEAR AREA MAY BE USED IN LIEU OF RECTANGULAR DUCT.</div> <div>11. PROVIDE TURNING VANES ON ALL RECTANGULAR SUPPLY, EXHAUST AND RETURN DUCTWORK INCLUDING THE TOP AND BOTTOM OF VERTICAL DUCTS.</div> <div>12. PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO SUPPLY AND EXHAUST AIR DEVICES FOR BALANCING PURPOSES. THE RUN-OUT DUCT SIZE IS THE SAME SIZE AS THE DIFFUSER OR GRILLE NECK SIZE UNLESS OTHERWISE NOTED ON PLAN.</div> <div>13. WHERE DAMPERS ARE LOCATED ABOVE HARD CEILINGS PROVIDE CONCEALED YOUNG REGULATORS. REGULATORS SHALL NOT BE LOCATED IN CORRIDORS, PATIENT CARE, OR TREATMENT AREAS. EACH REGULATOR SHALL BE LABELED PER THE SPECIFICATIONS.</div> <div>14. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL FIRE RATED WALLS AND CEILINGS. PROVIDE FIRE DAMPERS AND/OR COMBINATION FIRE/SMOKE DAMPERS IN DUCTWORK AT ALL LOCATIONS WHERE DUCTS PASS THROUGH FIRE RATED ASSEMBLY. MECHANICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING FIRE AND FIRE/SMOKE DAMPERS. COORDINATE CONSTRUCTION REQUIREMENTS AND PROVISIONS FOR CONNECTIONS TO FIRE ALARM SYSTEM.</div> <div>15. EXTERIOR DUCTWORK: SUPPLY AND RETURN DUCTWORK LOCATED OUTSIDE, EXPOSED TO AMBIENT CONDITIONS SHALL BE INTERNALLY LINED WITH 2" DUCT LINER. BREAK SHEET METAL IN A MANNER TO PREVENT STANDING WATER ON HORIZONTAL SURFACES. SEAL ALL SEAMS WITH MASTIC DESIGNED FOR USE ON METAL DUCT, GLASS FIBER DUCT BOARD, AND FLEXIBLE DUCT. MASTIC SHALL BE UL 181 LISTED FOR THE APPLICATION USED.</div> <div>16. INTERIOR CONCEALED DUCTWORK: ALL DUCT WORK ASSOCIATED WITH CONSTANT VOLUME AIR HANDLING EQUIPMENT SHALL BE CONSTRUCTED TO 2" W.G. AND SEALED TO SMACNA CLASS B. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.</div> <div>17. INTERIOR EXPOSED DUCTWORK APPLICATION: RECTANGULAR AND ROUND SUPPLY AND RETURN DUCTWORK LOCATED IN EXPOSED INTERIOR AREAS SHALL BE INTERNALLY LINED WITH DUCT LINER AND EXTERNALLY PAINTED. REFER TO ARCHITECT FOR COLOR SELECTION.</div> <div>18. INSTALL DX PIPING AS SPECIFIED, INCLUDING FILTER/DRYER, SIGHT GLASS, ISOLATION/CHARGING VALVES AND ALL APPURTENANCES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE ACCOMPLISHED IN A NEAT AND ORDERLY FASHION, AS APPROVED BY THE ENGINEER. COORDINATE FOR ROUTING OF DX PIPING, UP INSIDE OF WALLS, ETC. AS REQUIRED, TERMINATING AT AIR HANDLING UNITS. PROVIDE BRACING/ISOLATION, AS REQUIRED TO PREVENT VIBRATION OF DX PIPING INSIDE WALLS, ETC. SIZE, ROUTE AND INSULATE DX PIPING PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATION REQUIREMENTS.</div> <div>19. SEAL ALL DUCT PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.</div> <div>20. EXPAND OR REDUCE DUCTS AT EQUIPMENT CONNECTIONS BASED ON THE EQUIPMENT PURCHASED, WITH TRANSITIONS NOT TO EXCEED 30 DEGREES. SIZES SHOWN ON SCHEDULES, ETC. ARE FOR GUIDANCE ONLY. ASPECT RATIO SHALL BE NO GREATER THAN 4:1, PER SMACNA'S GUIDELINES.</div> <div>21. ALL DUCTS WITH A DIMENSION GREATER THAN 12" PASSING THRU A NON-RATED WALL SHALL HAVE THE OPENING FRAMED IN WITH METAL STUDS. COORDINATE OPENING SIZE AND LOCATION WITH OTHER TRADES.</div> <div>22. ALL EQUIPMENT LISTED TO UL508A OR UL 1995 SHALL HAVE A SHORT CIRCUIT CURRENT RATING (SCCR) OF THE ASSEMBLY MEETING OR EXCEEDING THE RATING OF THE PANEL FROM WHICH IT IS POWERED. SCCR RATINGS MAY BE REDUCED BASED ON ACTUAL CALCULATIONS BASED ON ACTUAL CONSTRUCTION AND IN ACCORDANCE WITH NEC. RATING SHALL BE STAMPED ON EQUIPMENT AT THE FACTORY. REFER TO ELECTRICAL FOR ADDITIONAL INSTRUCTIONS.</div>		<div><div>SYMBOL</div><div>DESCRIPTION</div></div> <div><div></div><div>ACOUSTICAL DUCT LINING (FIGURES SHOWN ARE INSIDE DUCT DIMENSIONS)</div></div> <div><div></div><div>SUPPLY AIR DUCT UP (POSITIVE PRESSURE)</div></div> <div><div></div><div>RETURN, EXHAUST OR OUTSIDE AIR INTAKE DUCT UP (NEGATIVE PRESSURE)</div></div> <div><div></div><div>SUPPLY AIR DUCT DOWN (POSITIVE PRESSURE)</div></div> <div><div></div><div>RETURN, EXHAUST OR OUTSIDE AIR INTAKE DUCT DOWN (NEGATIVE PRESSURE)</div></div> <div><div></div><div>ROUND DUCT UP</div></div> <div><div></div><div>ROUND DUCT DOWN</div></div> <div><div></div><div>RECTANGULAR DUCT SQUARE ELBOW WITH TURNING VANES</div></div> <div><div></div><div>RECTANGULAR DUCT RADIUS ELBOW</div></div> <div><div></div><div>ROUND DUCT RADIUS ELBOW</div></div> <div><div></div><div>TRANSITION CONCENTRIC UNLESS TOP LEVEL(TOP LVL) OR BOTTOM LEVEL(BOT LVL) IS NOTED</div></div> <div><div></div><div>TRANSITION, RECTANGULAR TO ROUND CONCENTRIC UNLESS TOP LEVEL (TOP LVL) OR BOTTOM LEVEL (BOT LVL) IS NOTED</div></div> <div><div></div><div>SQUARE CEILING DIFFUSER (SUPPLY) (4-WAY UNLESS OTHERWISE INDICATED)</div></div> <div><div></div><div>SQUARE CEILING GRILLE (RETURN OR EXHAUST)</div></div> <div><div></div><div>T = THERMOSTAT/TEMPERATURE SENSOR</div></div> <div><div></div><div>H = HUMIDISTAT/HUMIDITY SENSOR</div></div> <div><div></div><div>DUCT SPLITTER WITH DAMPER</div></div> <div><div></div><div>MOTORIZED DAMPER</div></div> <div><div></div><div>MANUAL VOLUME DAMPER</div></div> <div><div></div><div>FIRE DAMPER</div></div> <div><div></div><div>FIRE SMOKE DAMPER</div></div>	<div><div>REFER TO DRAWING/DETAIL NUMBER</div><div>RE: 2/M1.71</div><div>SHEET NUMBER</div><div>NECK SIZE OR WIDTH X HEIGHT (FOR LOUVERS)</div><div>A 10"x10" 250</div><div>AMOUNT OF AIR DIFFUSER, GRILLE DESIGNATION</div></div> <div><div>ELEVATION NUMBER</div><div>M301</div><div>SHEET NUMBER</div></div>	<div>MISCELLANEOUS</div> <div><div>①</div><div>DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)</div></div> <div><div>⊙</div><div>CONNECTION INTO EXISTING</div></div>	<div>ABBREVIATIONS</div> <div><div>AD ACCESS DOOR</div><div>A/C AIR CONDITIONING UNIT</div><div>A/E ARCHITECT/ENGINEER</div><div>AFF ABOVE FINISHED FLOOR</div><div>AHU AUTHORITY HAVING JURISDICTION</div><div>AFS AIR FLOW SWITCH</div><div>AHU AIR HANDLING UNIT</div><div>APPROX APPROXIMATE</div><div>BAS BUILDING AUTOMATION SYSTEM</div><div>BHP BRAKE HORSE POWER</div><div>BTU BRITISH THERMAL UNIT PER HOUR</div><div>C/A COMBUSTION AIR</div><div>CC COOLING COIL</div><div>CFH CUBIC FEET PER HOUR</div><div>CFM CUBIC FEET PER MINUTE</div><div>CLG CEILING</div><div>CU CONDENSING UNIT</div><div>D EQUIPMENT DRAIN</div><div>DEG DEGREES</div><div>DB DRY BULB</div><div>DN DOWN</div><div>DX DIRECT EXPANSION</div><div>(E) EXISTING</div><div>EAT ENTERING AIR TEMPERATURE</div><div>E/A EXHAUST AIR</div><div>EDH ELECTRIC DUCT HEATER</div><div>EF EXHAUST FAN</div><div>EQUIP EQUIPMENT</div><div>ESP EXTERNAL STATIC PRESSURE</div><div>EWI ENTERING WATER TEMPERATURE</div><div>'F DEGREES FAHRENHEIT</div><div>FCU FAN COIL UNIT</div><div>FD FIRE DAMPER</div><div>FLA FULL LOAD AMPS</div><div>FLR FLOOR</div><div>FPVAV FAN POWERED VAV</div><div>FSD FIRE SMOKE DAMPER</div><div>FT, FEET</div><div>FT, WG FEET WATER GAUGE</div><div>GA U.S. GAUGE</div><div>GPM GALLONS PER MINUTE</div><div>H HEIGHT</div><div>H HORSEPOWER</div><div>HPC HIGH PRESSURE CONDENSATE</div><div>HPS HIGH PRESSURE STEAM</div><div>HWR HEATING WATER RETURN</div><div>HWS HEATING WATER SUPPLY</div><div>HZ HERTZ</div><div>IN, INCHES</div><div>IN.WG INCHES WATER GAUGE</div><div>J-BOX JUNCTION BOX</div><div>KW KILOWATT</div><div>L LENGTH</div><div>LAT LEAVING AIR TEMPERATURE</div><div>LPC LOW PRESSURE CONDENSATE</div><div>LPS LOW PRESSURE STEAM</div><div>LB POUNDS</div><div>LRA LOCKED ROTOR AMPS</div><div>LWT LEAVING WATER TEMPERATURE</div><div>MAX MAXIMUM</div><div>MBH 1000 BRITISH THERMAL UNITS / HOUR</div><div>MCA MINIMUM CIRCUIT AMPACITY</div><div>MFR MANUFACTURER</div><div>MIN MINIMUM</div><div>N/A NOT APPLICABLE</div><div>N/O,N/C NORMALLY OPEN, NORMALLY CLOSED</div><div>O/A OUTSIDE AIR/FRESH AIR</div><div>OBD OPPOSED BLADE DAMPER</div><div>O/C ON CENTER</div><div>PEF PURGE EXHAUST FAN</div><div>PH PHASE</div><div>PROVIDE FURNISH AND INSTALL</div><div>PRV PRESSURE REDUCING VALVE</div><div>PSI POUNDS PER SQUARE INCH</div><div>R/A RETURN AIR</div><div>RE: REFERENCE, REFER TO</div><div>RH RELATIVE HUMIDITY</div><div>RL REFRIGERANT LIQUID</div><div>RLA RUNNING LOAD AMPS</div><div>RM ROOM</div><div>RPM REVOLUTIONS PER MINUTE</div><div>RS REFRIGERANT SUCTION</div><div>SA SUPPLY AIR</div><div>SD SMOKE DETECTOR</div><div>SF SQUARE FOOT, SUPPLY FAN</div><div>SPECS SPECIFICATIONS</div><div>T, TSTAT THERMOSTAT, ROOM SENSOR</div><div>T/A TRANSFER AIR</div><div>THRU THROUGH</div><div>TSTAT TOTAL STATIC PRESSURE</div><div>TYP THERMOSTAT OR ROOM SENSOR</div><div>UL TYPICAL</div><div>UL UNDERWRITERS LABORATORIES, INC.</div><div>UH UNIT HEATER</div><div>V VOLTS</div><div>VAV VARIABLE AIR VOLUME</div><div>VEL VELOCITY</div><div>VFD VARIABLE FREQUENCY DRIVE</div><div>W/ WITH</div><div>WB WET BULB</div><div>W/O WITHOUT</div></div>	<div>GENERAL</div> <div><div>1. EXISTING WORK SHOWN ON PLANS IS FROM AVAILABLE AS--DESIGNED DOCUMENTS AND LIMITED FIELD OBSERVATIONS. ACTUAL CONDITIONS MAY VARY; FIELD VERIFY EXISTING WORK AND MAKE MINOR ADJUSTMENTS NECESSARY TO COMPLETE WORK. IF EXISTING CONDITIONS PROHIBIT WORK, NOTIFY THE ARCHITECT FOR DIRECTION, AS REQUIRED.</div><div>2. WHERE EXISTING EQUIPMENT OR DUCTWORK IS LOCATED SUCH THAT IT IS ALONG THE TOP OF NEW WALLS TO DECK, IT SHALL BE RELOCATED. COORDINATE SUCH WORK WITH OTHER TRADES. RELOCATED EQUIPMENT SHALL BE TO A LOCATION THAT ALLOWS ACCESS FOR PERIODIC SERVICING AND REPAIR.</div><div>3. COORDINATE WITH ALL TRADES FOR REQUIRED CEILING REMOVAL IN EXISTING BUILDING. NOTIFY THE ARCHITECT AND OWNER PRIOR TO COMMENCING REMOVAL. REMOVE ONLY THAT PORTION OF THE CEILING NECESSARY TO ACCESS AND COMPLETE THE WORK. UPON COMPLETION OF THE ABOVE CEILING WORK, CEILING IS TO BE REINSTALLED. REPLACE ANY DAMAGED CEILING TILES WITH NEW TILES TO MATCH EXISTING.</div><div>4. DEMOLITION SHALL EXTEND TO POINTS OF CONNECTION WITH LIVE SERVICES (PANELBOARDS, PIPING, MAINS, ETC). DEMOLITION SHALL NOT PERMIT ABANDONMENT OF ANY PORTION OF ANY SYSTEM UNLESS SPECIFICALLY NOTED AS "ABANDON IN PLACE" OR "TO REMAIN".</div><div>5. DEMOLITION SHALL INCLUDE EQUIPMENT, PIPING, DUCTWORK, SUPPORTS, FITTINGS, ACCESSORIES, CONTROLS, WIRING, CONDUIT, ETC, IN THEIR ENTIRETY UNLESS OTHERWISE NOTED.</div><div>6. VERIFY THE CONDITION OF ALL EXISTING EQUIPMENT WITHIN THE PROJECT SCOPE, EXACT SIZES OF EXISTING DUCT AND PIPING, ETC BEFORE COMMENCING DEMOLITION WORK. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS TO ARCHITECT PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.</div><div>7. PATCH OPENINGS IN WALLS TO MAINTAIN THE INTEGRITY OF THE WALL WHERE AIR DEVICES HAVE BEEN REMOVED. REFER TO ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.</div><div>8. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO LOCATE AND PRESERVE UNDERGROUND UTILITIES.</div></div> <div>EQUIPMENT</div> <div><div>1. THE OWNER HAS THE FIRST RIGHT-OF-REFUSAL FOR ALL DEMOLISHED EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ANY EQUIPMENT REFUSED BY THE OWNER.</div><div>2. ALL REMOVED EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION. REMOVED EQUIPMENT NOT INDICATED FOR RE-USE SHALL REMAIN THE PROPERTY OF THE OWNER. REMOVE THE EQUIPMENT AND DELIVER IT TO THE OWNER. SHOULD THE OWNER DECLINE THE POSSESSION OF THE REMOVED EQUIPMENT, IT SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR REMOVAL FROM SITE.</div><div>3. WHEN ALL CONSTRUCTION IS COMPLETE INSTALL NEW, CLEAN PRE-/POST-FILTERS IN AIR UNITS SERVING THE RENOVATED AREAS. VERIFY CONDITION OF UNIT FILTER GAUGES AND REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.</div></div> <div>DUCTWORK</div> <div><div>1. CAP AND SEAL AIR TIGHT ALL POINTS AT WHICH DUCTWORK IS REMOVED FROM DUCTWORK THAT WILL REMAIN. RE-INSULATE REMAINING DUCTWORK TO MAINTAIN VAPOR BARRIER.</div><div>2. TAKE AIR FLOW READINGS ON EACH FAN INLET, OUTSIDE AIR INTAKE, AND SUPPLY AIR FAN DISCHARGE, PRIOR TO DEMOLITION WORK. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.</div><div>3. TAKE AIR READINGS OF ALL GRILLES, REGISTERS, AND DIFFUSERS IN PROJECT AREAS PRIOR TO DEMOLITION. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.</div><div>4. VERIFY CLEARANCE REQUIREMENTS AND INDICATE ROUTING OF NEW DUCTWORK BEFORE FABRICATION BEGINS AS RISES AND DROPS MAY BE NECESSARY DUE TO EXISTING FIELD CONDITIONS.</div></div> <div>CONTROLS</div> <div><div>1. DEMOLITION AND/OR RELOCATION OF CONTROLS FOR EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO: SPACE AND DUCT THERMOSTATS SPACE AND DUCT TEMPERATURE/HUMIDITY SENSORS; SMOKE DETECTORS, FIRE-STATS, FREEZE-STATS, AND OTHER SAFETY OR LIMITING DEVICES; RTU AND EXISTING CONTROL SYSTEMS CONTROL PANELS</div><div>2. VERIFY CONDITION OF ALL EXISTING LIFE SAFETY DEVICES (FIRE DAMPERS, DUCT DETECTORS, ETC) THAT ARE TO REMAIN AND ARE WITHIN LIMITS OF CONSTRUCTION. REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.</div></div>	

STATE OF TEXAS

7/18/2024

RENE A. CULROSS

71789

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BASIS OF MECHANICAL DESIGN

PRIMARY MECHANICAL CODES:
MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE (WITH CITY AMENDMENTS).
ENERGY: 2018 INTERNATIONAL ENERGY CODE (WITH CITY AMENDMENTS).
PROJECT DESIGN VALUES:
OUTDOOR DESIGN TEMPERATURE (SUMMER): 99°F (DRY BULB), 77°F (WET BULB)
AMBIENT TEMPERATURE AT CONDENSING UNITS: 105°F (DRY BULB, SUMMER)
OUTDOOR DESIGN TEMPERATURE (WINTER): 22°F (DRY BULB)
INDOOR DESIGN TEMPERATURE (SUMMER): 75°F (DRY BULB), 50% RH
INDOOR DESIGN TEMPERATURE (WINTER): 72°F (DRY BULB)
OUTSIDE AIR REQUIREMENTS: PER IMC TABLE 403.3



APPROVED
Reviewed for Code Compliance
ProjectName: C2-24-02038 &
CR-24-00667
Date: 4/25/2024
Approved plans in no way
excludes items that may be found
in the field and shall not be
construed to be a permit or
approval of any violation of any
code provision.

ARCHITECTURE

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ST. JUDE CATHOLIC CHURCH PARISH HALL REMODEL & CONNECTOR

500 E DALLAS ST.
MANSFIELD, TX 76063

PERMIT SET

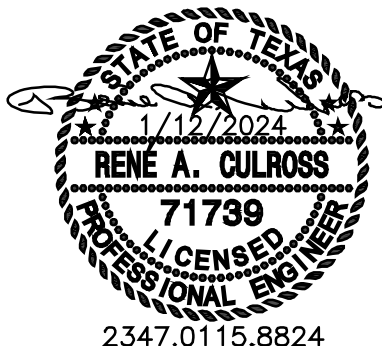
Drawing Title:

HVAC LEGENDS & NOTES

Project No.	Date:
2307	1/12/2024

Sheet No.

MO.1



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