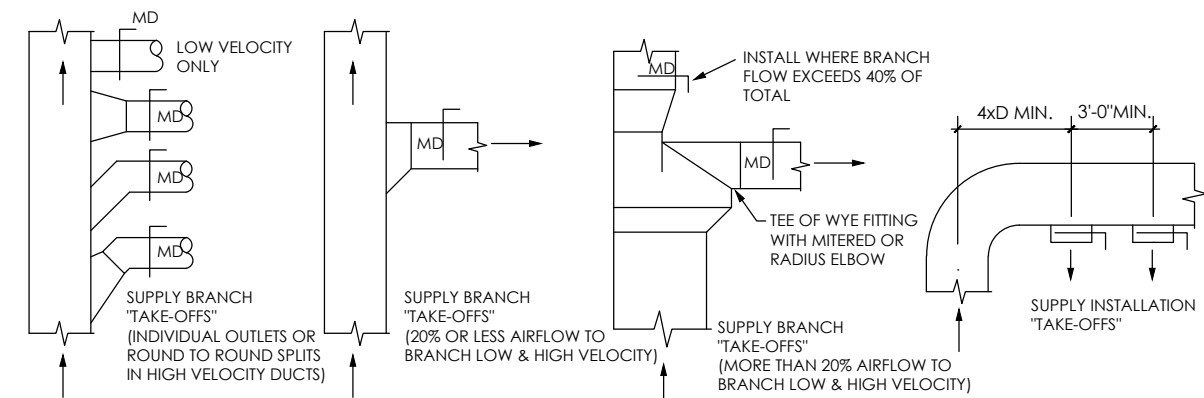


MECHANICAL GENERAL REQUIREMENTS:

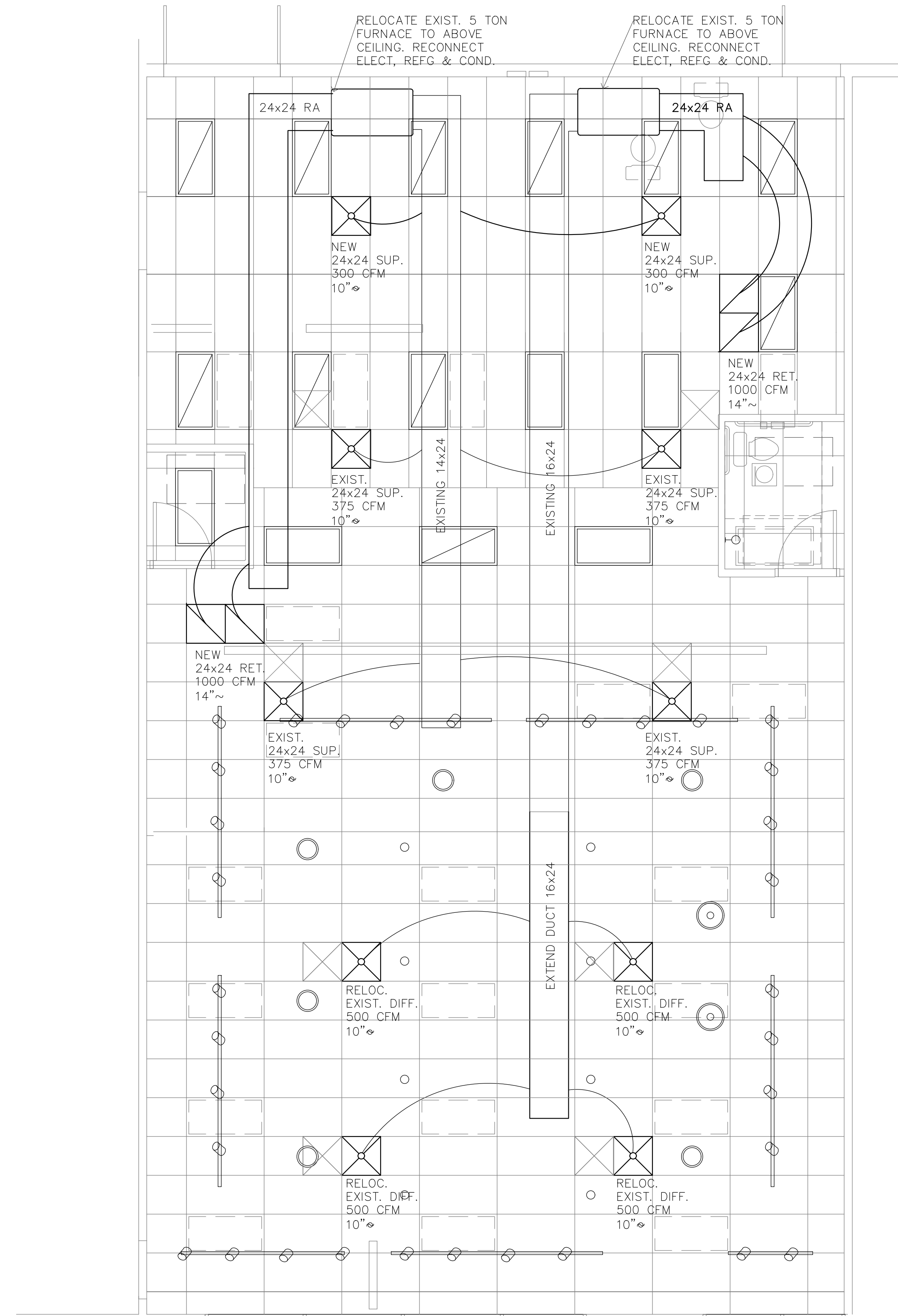
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL BUILDING, MECHANICAL, PLUMBING CODES NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION CODE, EPA REGULATIONS, AND OCCUPATIONAL SAFETY & HEALTH ACT.
- CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE COMPLETE AND FUNCTIONING INSTALLATIONS. ALL MATERIAL AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROTECT ALL EXISTING WORK TO REMAIN, AND SHALL REPAIR ANY DAMAGED INCIDENTAL TO PERFORMANCE OF NEW WORK.
- INTERFERENCE WITH OWNERS OPERATIONS OR INTERRUPTION OF SERVICES SHALL BE FULLY COORDINATED WITH OTHERS.
- ACCEPTANCE OF WORK SHALL BE SUBJECT TO OWNER'S REPRESENTATIVE APPROVAL OF WORK IN PLACE AS WELL AS SHOP DRAWINGS AND SAMPLES OF MATERIALS & EQUIPMENT WHICH SHALL BE CHECKED BY CONTRACTOR BEFORE SUBMITTAL.
- CONTRACTOR SHALL SUBMIT MARKED UP CLEAN PRINTS OF AS-BUILT CONDITIONS SHOWING CONCEALED DEVIATIONS FROM DESIGN.
- CONTRACTOR SHALL KEEP PREMISES OF WORK AREA CLEAN DAILY, BROOM CLEAN AT PROJECT COMPLETION, AND SHALL REMOVE ALL REFUSE FROM SITE REGULARLY.
- CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH EXISTING CONDITIONS BEFORE STARTING NEW WORK. CONCEALED CONDITIONS SHALL BE ADDRESSED WITH DUE CAUTION SUCH THAT UTILITIES & SYSTEMS ARE PROTECTED.
- CONTRACTOR SHALL CUT AND PATCH HOLES IN EXISTING CONSTRUCTION AS REQUIRED FOR NEW WORK WITH DUE CAUTION SUCH AS STRUCTURAL AND WEATHER-PROOF INTEGRITY IS MAINTAINED WITHOUT IMPAIRMENT.
- CONTRACTOR SHALL WARRANTY ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE AND SHALL REPAIR OR REPLACE AND DEFECTIVE WORK INCLUDING MATERIAL, LABOR & EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE ON PREVIOUS CONTRACT DRAWINGS AND FROM VISUAL SITE INSPECTIONS AND ARE NOT TO BE CONSTRUCTED AS 'AS-BUILT' CONDITIONS, BUT ARE TO INDICATE THE INTENT OF THIS WORK.
- UNLESS SPECIFIED OTHERWISE, ALL EXISTING MATERIAL AND EQUIPMENT SHOWN OR REQUIRED TO BE REMOVED FROM EXISTING CONSTRUCTION AND NOT SHOWN TO BE REUSED OR TURNED OVER TO THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE.
- ALL PERMITS AND LICENSES THAT ARE REQUIRED BY GOVERNING AUTHORITIES FOR THE PERFORMANCE OF MECHANICAL AND ELECTRICAL WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EQUIPMENT IN SUCH A MANNER AS TO CONTROL THE TRANSMISSION OF NOISE AND VIBRATION FROM ANY INSTALLED EQUIPMENT OR SYSTEM, SO THE SOUND LEVEL SHALL NOT EXCEED NC35 IN ANY OCCUPIED SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY OBJECTIONABLE NOISE IN ANY OCCUPIED AREA DUE TO IMPROPERLY INSTALLED EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT DUCT DIMENSIONS AND ROUTING WITH ARCHITECTURAL REFLECTED CEILING PLAN AND THE LAYOUT OF RECESSED LIGHT FIXTURES SHOWN ON ELECTRICAL DRAWINGS AND MAKE ONLY APPROVED CHANGES TO MAINTAIN SPECIFIED CEILING HEIGHTS.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DIFFUSERS, REGISTERS AND GRILLS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL LIGHT LAYOUT.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ROOF TOP EQUIPMENT AND DUCT PENETRATIONS WITH STRUCTURAL.
- MECHANICAL CONTRACTOR SHALL SIZE AND INSTALL REFRIGERANT PIPING TO EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER. INCLUDE ALL NECESSARY CONTROLS AND INTERLOCK WIRING. INSULATE SUCTION PIPING W/ 1" THICK ARMAFLEX (OUTDOOR INSULATION SHALL BE ULTRAVIOLET PROTECTED) W/ A U-VALUE OF 21 PER INCH/MIN.)
- MECHANICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT OF AIR HANDLING SYSTEMS OF 2000 CFM OR LARGER CAPACITY FOR THE AUTOMATIC SHUT-OFF OF THE SYSTEM UPON SIGNAL FROM THE SMOKE DETECTOR. EQUAL TO FENWALL DNS1; BRK DIB851AC OR ROBERT SHAW 2650-150 SERIES.
- RECTANGULAR DUCT TO BE CONSTRUCTED OF PRIME GALVANIZED SHEET METAL LINED WITH 1/2" 3 LB. DENSITY FIBERGLASS INSULATION. ROUND FLEXIBLE DUCT TO BE 'THERMAFLEX' TYPE MKC OR EQUAL WITH 1" FIBERGLASS INSULATION EXTERNALLY WRAPPED. PLANS REFLECT COMPENSATION OF 1/2" INTERIOR INSULATION LINER.
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES AND VOLUME EXTRACTOR WHERE SHOWN ON DRAWINGS AND AS REQUIRED FOR SMOOTH AIRFLOW.
- MECHANICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID. FIELD CHECK AND VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING EQUIPMENT AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WIRING AND ELECTRICAL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR.
- PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID. FIELD VERIFY ALL UTILITIES LOCATION, SIZE ACCESSIBILITY AND FEES. REPORT ANY DISCREPANCIES TO THE ENGINEER/ARCHITECT IMMEDIATELY.
- PLUMBING CONTRACTOR TO PROVIDE WHEELHANDLE STOPS AND AIR CHAMBERS ON ALL HOT & COLD WATER LINE PRIOR TO CONNECTION TO EACH FIXTURES.
- PLUMBING CONTRACTOR TO CONNECT ALL GAS (PROPANE) LINES TO GAS FIRED EQUIPMENT THRU GAS COCK, UNION, & DIRT LEG. (PER AGA STANDARDS).
- FIRE DAMPERS ARE REQUIRED AT EACH FIRE RATED WALL, CEILING AND FLOOR DUCT PENETRATION AS SHOWN OR NOTED ON MECHANICAL AND ARCHITECTURAL FLOOR PLANS. (SEE DETAIL.) FIELD IDENTIFY DUCT SIZE FOR SPECIFIC DAMPER SIZES, AND PROVIDE ACCESS PANELS AS REQUIRED FOR EACH FIRE DAMPER.
- MECHANICAL CONTRACTOR TO INSTALL NEW CEILING DIFFUSERS SHOWN IN NEW REFLECTED CEILING PLAN CONFIGURATION. SEE ARCHITECTURAL AND ELECTRICAL PLANS FOR COORDINATION, SPEAKERS, AND ALARM SYSTEMS.
- ALL MEMBRANE PENETRATIONS SUCH AS STEEL, FERROUS, COPPER, PIPES, VENTS, ELECTRICAL OUTLET BOXES, OR TUBES ARE TO BE PROTECTED MAINTAINING THE FIRE RESISTANCE INTEGRITY OF THE DEMISING WALLS.
- HVAC DUCT DETECTORS ARE TO BE IN THE RETURN AIR DUCT. DUCT DETECTORS TO TIE INTO THE BUILDING FIRE ALARM SYSTEM.
- HVAC UNITS TO HAVE DUCT SMOKE DETECTORS INSTALLED, AND SHALL HAVE REMOTE INDICATORS IF THE DETECTORS ARE IN CONCEALED LOCATIONS OR MORE THAN 10' OFF THE FLOOR. SMOKE DETECTORS MUST BE READILY VISIBLE TO FIRE DEPARTMENT PERSONNEL.



DUCT STANDARDS
NO SCALE

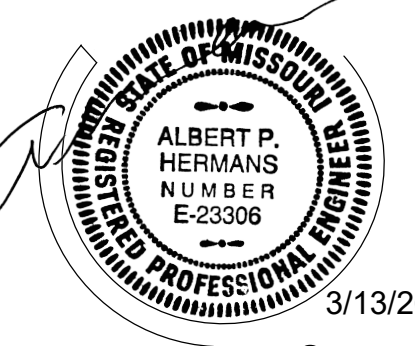
SYMBOLS & LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> EXISTING DUPLEX OUTLET TO REMAIN EXISTING DUPLEX OUTLET TO BE REMOVED NEW DUPLEX OUTLET NEW PHONE WALL BOX, CONDUIT TO CEILING AND PULL WIRE - PHONE INSTALLATION BY TENANT EXISTING TELEPHONE BOX TO REMAIN EXISTING TELEPHONE BOX TO BE REMOVED NEW SINGLE POLE WALL SWITCH EXISTING SINGLE POLE SWITCH TO REMAIN EXISTING SWITCH TO BE REMOVED NEW 2'x4' FLUORESCENT FIXTURE IN CEILING GRID OR EXISTING FIXTURE RELOCATED IN CEILING GRID EXISTING 2'x4' FLUORESCENT FIXTURE TO REMAIN EXISTING 2'x4' FLUORESCENT FIXTURE TO BE REMOVED EXISTING WALL PANELS TO BE REMOVED EXISTING WALL TO REMAIN NEW WALL CONSTRUCTION TO BE 3-5/8" MTL STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON BOTH SIDES, TAPE, SAND AND FINISH PER FINISH SCHEDULE. NEW DOORS AND FRAMES TO MATCH EXISTING. AT NEW GYP. BD. PARTITIONS, INSTALL NEW DOORS AND FRAMES, AND HARDWARE TO MATCH EXISTING. RE: FLOOR PLAN NOTES. | <ul style="list-style-type: none"> HOMERUN, ARROWHEADS INDICATE NUMBER OF CIRCUITS NEW BRANCH CIRCUIT, CONCEALED IN WALL, CEILING, OR SLAB DUPLEX RECEPTACLE FOURPLEX RECEPTACLE GROUND FAULT INTERRUPT DUPLEX (GFI) TELEPHONE OUTLET DATA OUTLET SINGLE POLE SWITCH DOUBLE SWITCH SINGLE POLE W/ OCCUPANT SENSOR JUNCTION BOX TOILET FAN EXIST LIGHT W/ BATTERY BACK-UP EMERGENCY LIGHTING EXISTING RELOCATED |
|--|---|



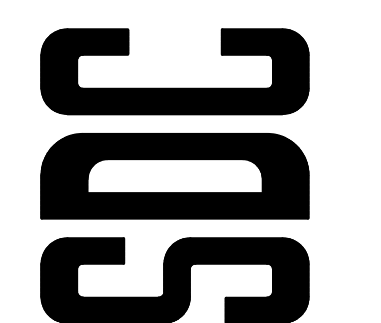
OUTDOOR AIR REQUIREMENTS:
 RETAIL SPACE: 1220 S.F. @ .3CFM/S.F. = 366 CFM
 STOCK ROOM: 1034 S.F. @ .15 CFM/S.F. = 155 CFM
 TOTAL OUTSIDE AIR: 521 CFM

1 MECHANICAL PLAN
 E1 1/4" = 1'-0"



RUNNING WELL
TENANT FINISH
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SULLIVAN PALMER ARCHITECTS
 66022
 0121-988-0252

Date: 3-10-26

Revision:	

Drawn by: NCE
 Sheet: M1
 mechanical plan

