



1 PARTIAL FIRST FLOOR MECHANICAL PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

GENERAL NOTES:

- FOR ABBREVIATIONS, SYMBOLS, LEGEND, AND GENERAL NOTES, REFER TO SHEET M100.
- COORDINATE EQUIPMENT INSTALLATION AND LOCATION WITH MANUFACTURER REQUIREMENTS PRIOR TO BIDDING AND CONSTRUCTION.
- INSTALL FIRE DAMPERS OR FIRE/SMOKE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FIRE WALLS OR FIRE/SMOKE WALLS RESPECTIVELY. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
- SMOKE DETECTORS FOR AIR HANDLING AND ROOFTOP UNITS SHALL PROVIDE AUTOMATIC FAN SHUTDOWN FOR UNIT AND PROVIDE A SUPERVISORY SIGNAL TO THE BUILDING FIRE ALARM SYSTEM UPON BUILDING GENERAL ALARM. ALL AIR HANDLING UNITS (EXCEPT WITHIN RESIDENTIAL UNITS) SHALL SHUT DOWN.
- PROVIDE A MOTORIZED DAMPER AND VOLUME DAMPER AT ALL OUTSIDE AIR CONNECTIONS TO AHU UNITS INSIDE MECH ROOMS.
- CONTRACTOR SHALL PROVIDE FIRE DAMPERS AT ALL PENETRATIONS OF FIRE-RATED CEILING MEMBRANE INCLUDING ALL MECHANICAL ROOMS.
- THE PROJECT'S MECHANICAL DRAWINGS AND SPECIFICATIONS MAKE NO PROVISION (S) FOR THE DIVISION OF GC/SUBCONTRACTOR WORK SCOPE(S). THE GENERAL CONTRACTOR SHALL ENSURE ALL HIS/HER SUBCONTRACTORS HAVE NECESSARY PROVISIONS FOR THE COMPLETE, FUNCTIONING AND WARRANTED WITHOUT EXCEPTION. CONTRACTOR SHALL INCLUDE SUCH PROVISIONS IN HIS/HER BASE BID.
- GENERAL CONTRACTOR AND HIS/HER SUB-CRONTOR(S) SHALL CAREFULLY COORDINATE ALL SPRINKLER LINE INSTALLATIONS WITH THE PROJECT'S MECHANICAL AND PLUMBING SYSTEMS PRIOR TO INSTALLATIONS. SPRINKLER LINES TO BE DETERMINED TO BE IN CONFLICT WITH THE PROJECT'S MECHANICAL DRAWINGS WILL BE REQUIRED TO BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT, WITHOUT EXCEPTION.

***CONTRACTOR SHALL READ ALL GENERAL NOTES AND KEYED NOTES PRIOR TO BIDDING. IF ANY QUESTIONS OR CLARIFICATIONS ARE REQUIRED, CONTACT ENGINEER OF RECORD WITH REQUEST FOR INFORMATION PRIOR TO BIDDING.

*** MECHANICAL CONTRACTOR SHALL PROVIDE A FRIGE FOR FULL COUNT OF ALL MOTORIZED CONTROL VALVE AND BALL VALVES, TAKE OFF FROM THE MECHANICAL 200 SERIES DIAGRAM PROVIDED.

KEYED NOTES:

- HIGH WALL INDOOR COOLING FAN SYSTEM, MOUNT AS PER THE MANUFACTURERS SPEC'S.
- CONDENSER UNIT AS SCHEDULED, INSTALL AS PER THE MANUFACTURERS SPEC'S.
- PROVIDE WALL MOUNTED PROGRAMMABLE T-STAT WITH HUMIDITY CONTROL INCLUDED MOUNT AT 48" AFF.
- PROVIDE 6" CONCRETE PAD MAINTAIN 36" FROM EXTERIOR WALL, TO CONDENSER INSTALLATION LOCATION.
- PROVIDE 4" INSTALL UV RESISTANT PVC LINESET COVER, BASIS OF DESIGN, RECTOR SEAL SLIPDUCT LINESET COVERS 9.5" HEAVY DUTY PROFESSIONAL GRADE DUCT AND FITTINGS, INCLUDE ALL PARTS/PIECES REQ'D FOR A COMPLETE INSTALLATION, COORD COLOR WITH ARCHITECT THROUGH THE SUBMITTAL PROCESS.
- CONDENSATE DRAIN SHALL BE BY OTHERS.
- EXISTING EXHAUST GRILLES @ 210 CFM, RE-BALANCE NEW EXHAUST GRILLES TO 245 CFM.
- PROVIDE NEW EXHAUST TERMINAL, DUCT AS SIZED 4" SHOWN AND CENTRAL EXHAUST CONNECTION FOR END RUN OR NEW EXHAUST BRANCH DUCTS, VERIFY PERFORMANCE OF EXISTING EXHAUST SYSTEM 4 FAN FOR REQUIRED UPGRADES, EXHAUST TERMINAL FROM THE REMOVAL OF RESTROOM SHALL BE FACTORED INTO THE OVERALL COMPONENT EVALUATION OF COMPLETE CENTRAL EXHAUST, INCLUDE MOTOR CONTROL FOR SUITABLE RPM RANGE FOR EXISTING FAN.
- NEW EXHAUST VALUES ARE VERY LOW ADJUSTMENTS TO OVERALL BUILDING VENTILATION, AIR DIRECTION SHALL BE CHECKED FOR PROPER FLOW WHERE ROOMS ARE TO FLOW IN THE NEGATIVE, POSITIVE DIRECTION OR NEUTRAL WHERE APPLICABLE, STUDY TO BE DETERMINED BY A PROFESSIONAL 4 LICENSED AIR BALANCE TECHNICIAN.
- PROVIDE NEW LAY-IN DIFFUSER WITH 6" x 8" RND 5/8" TAPPED INTO THE EXISTING 5/8" DUCT SYSTEM, CONNECT PIPE DUCT OR EQUIVALENT RECT. DUCT, SAME AREA IN THE PROPOSED SHOULD NOT IMPACT EXISTING OUTDOOR AIR VALUES.
- EXISTING 5/8" DIFFUSER @ 210 CFM, RE-BALANCE NEW DIFFUSER TO 195 CFM.
- EXISTING 5/8" DIFFUSER @ 260 CFM, RE-BALANCE NEW DIFFUSER TO 195 CFM.
- PROVIDE NEW LAY-IN DIFFUSER WITH 4" RND 5/8" TAPPED INTO THE EXISTING 5/8" LOBBY SYSTEM.

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ISSUED
 DATE: 10/08/20
 09-15-20 CONSTRUCTION DOCUMENTS

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO: 19079.00
 DRAWN BY: TLJ
 PROJECT MANAGER: RW
 CHECKED BY: GMC
 DATE: 09-15-20
 SCALE: 1/4" = 1'-0"

M101
 PARTIAL FIRST FLOOR
 MECHANICAL PLAN