

PRIORITY/CONSTRUCTION

- THE FOLLOWING IS THE ORDER OF PRIORITY FOR CONSTRUCTION SPACE
- FIRST DUCTWORK
 - SECOND FIRE PROTECTION PIPING
 - THIRD ANY PIPING WITH SLOPE REQUIREMENTS
 - FOURTH OTHER PIPING
 - FIFTH CONDUIT

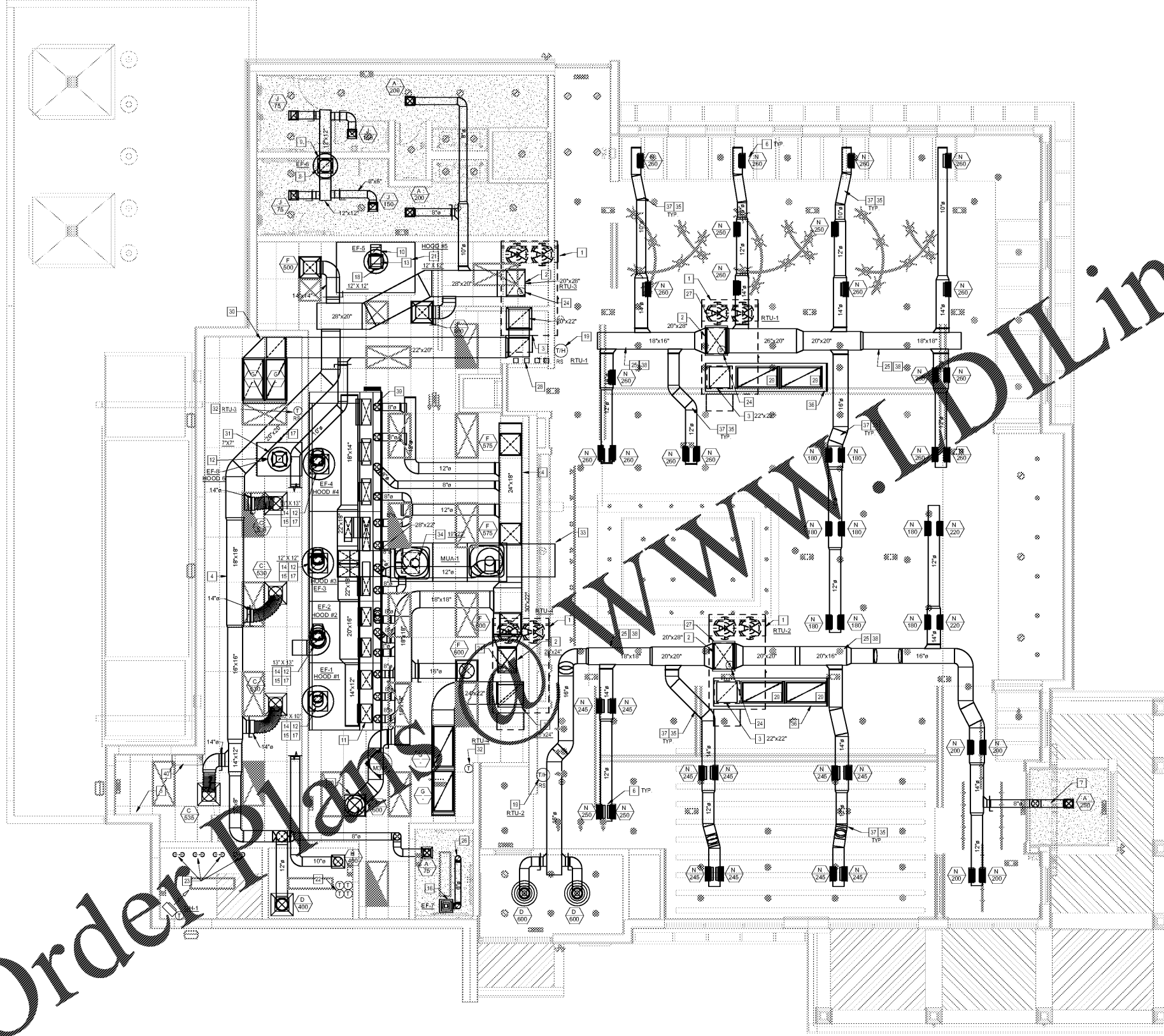
BRANCH DUCT SIZING CHART

CFM RANGE	SIZE
0 TO 50	8"Ø
100 TO 210	10"Ø
211 TO 350	12"Ø
351 TO 540	14"Ø
541 TO 1000	16"Ø
1001 TO 1350	18"Ø

MECHANICAL GENERAL NOTES:

SHEET KEYNOTES

- ROOFTOP UNIT ON FULL PERIMETER ROOF CURB. REFER TO SHEET MP200 FOR ADDITIONAL INFORMATION.
- SUPPLY AIR DUCT FROM UNIT ON ROOF. TRANSITION TO DUCT SIZE AS INDICATED WITH-IN THE ROOF CURB.
- RETURN AIR DUCT FROM UNIT ON ROOF. TRANSITION TO DUCT SIZE AS INDICATED WITH-IN THE ROOF CURB.
- DUCTWORK LOCATED ABOVE FINISHED CEILING. COORDINATE W/ STRUCTURE.
- MAINTAIN CLEARANCE TO ELECTRICAL GEAR. TYPICAL.
- PROVIDE MANUAL BALANCING DAMPER. TYPICAL.
- DUCT TO RUN ON TOP OF LOWER CEILING.
- RESTROOM EXHAUST FAN ON ROOF. REFER TO SHEET MP200 FOR ADDITIONAL INFORMATION.
- RESTROOM EXHAUST DUCT UP TO FAN ON ROOF. COORDINATE W/ STRUCTURE.
- SLOPE DISHWASHER EXHAUST DOWN @ 1/4" PER FOOT TO HOOD.
- MAKE-UP AIR CONNECTIONS TO SUPPLY AIR PLenum IN FRONT OF HOOD. REFER TO HOOD DRAWINGS, SHEET MH101.
- KITCHEN HOOD EXHAUST FAN ON ROOF. REFER TO SHEET MP200 AND HOOD DRAWINGS FOR ADDITIONAL INFORMATION.
- DISHWASHER EXHAUST FAN ON ROOF. REFER TO SHEET MP200 AND HOOD DRAWINGS FOR ADDITIONAL INFORMATION.
- KITCHEN HOOD EXHAUST DUCT UP TO HOOD ON ROOF. COORDINATE WITH STRUCTURE. DUCT SHALL BE ENCASED WITH EXHAUST DUCT WRAP IF REQUIRED BY CODE. REFER TO DETAIL S3 ON SHEET M201. DUCT SHALL BE 16 GA. EXTERNALLY WELDED LIQUID TIGHT BLACK.
- CEILING MOUNTED RESTROOM EXHAUST FAN CONTROLLED W/ LIGHTS. COORDINATE W/ ELECTRICAL CONTRACTOR.
- KITCHEN EXHAUST HOOD FURNISHED BY OWNER. INSTALLED BY MECHANICAL CONTRACTOR. TYPICAL OF 4. REFER TO SHEET MH101 THRU MH105.
- DISHWASHER EXHAUST DUCT UP TO FAN ON ROOF. DUCTWORK SHALL BE STAINLESS STEEL. SEALED LIQUID TIGHT. OFFSET TO HOOD COLLAR.
- PROVIDE COMBINATION TEMPERATURE & HUMIDITY SENSOR ON WALL @ 72" AFF. INTERLOCK W/ THERMOSTAT IN OFFICE.
- PERFORATED GRILLE PER DETAIL S3 ON SHEET M201. TYPICAL FOR THIS DEVICE.
- DISHWASHER HOOD, FURNISHED BY OWNER AND INSTALLED BY THE MECHANICAL CONTRACTOR. REFER TO SHEETS MH101 THRU MH105.
- STATS FOR REMOTE SENSORS. MOUNT VERTICAL @ 54" A.F.F. IN OFFICE. REFER TO DETAIL S4 ON SHEET M401.
- REFER TO PLUMBING DRAWINGS FOR COMBUSTION VENTING OF WATER HEATERS.
- DUCT MOUNTED SMOKE DETECTOR FOR UNIT SHUT DOWN. DETECTOR SHALL ACTUATE A VISIBLE & AUDIBLE SUPERVISORY SIGNAL @ A CONSTANTLY ATTENDED LOCATION. TYPICAL.
- DUCTWORK TO RUN BETWEEN ROOF STRUCTURE AS HIGH AS POSSIBLE.
- EXHAUST DUCT UP TO ROOF CAP ON ROOF. REFER TO SHEET MP200 FOR ADDITIONAL INFORMATION.
- PROVIDE SPLITTER DAMPER W/ TURNING VANES. TYPICAL.
- ROOFTOP UNIT SMOKE DETECTOR RESETS. MOUNTED ON WALL ABOVE HEADER.
- RETURN AIR GRILLE IN THE UNDERSIDE OF DUCT.
- DUCT TO DROP DOWN AND RUN BELOW ROOF TRUSSES AND ABOVE FINISHED CEILING. FIELD FABRICATE RETURN PLENUM BOX.
- 7"X7" POTATO STEAMER HOOD EXHAUST DUCT UP TO FAN ON ROOF. DUCTWORK SHALL BE STAINLESS STEEL SEALED LIQUID TIGHT.
- PROVIDE THERMOSTAT REMOTE SENSOR ON WALL AT 54" A.F.F. INTERLOCK WITH THERMOSTAT IN OFFICE.
- MAKE-UP AIR UNIT ON ROOF. INTERLOCK WITH HOOD CONTROLS. REFER TO HOOD DRAWINGS, SHEETS MH101 THRU MH105. AND SHEET MP200 FOR ADDITIONAL INFORMATION.
- MAKE-UP AIR DUCT UP TO UNIT ON ROOF.
- PROVIDE SINGLE WALL SPIRAL DUCT AND PAINT GRIP. TYPICAL FOR EXPOSED ROUND DUCTWORK IN DINING, WAITING, AND VESTIBULE AREA.
- RETURN AIR DUCT SHALL BE INTERNALLY LINED. TYPICAL.
- DUCTWORK TO RUN THROUGH ROOF TRUSS WEBBING. COORDINATE EXACT LOCATION OF DUCT RUN WITH ROOF TRUSSES. TYPICAL FOR EXPOSED DUCTWORK RUNNING PERPENDICULAR TO TRUSSES.
- EXPOSED RECTANGULAR DUCTWORK TO BE INTERNALLY LINED.
- SUPPLY AIR CONNECTIONS WITH CONTROL DAMPER TO SUPPLY AIR PLENUM IN FRONT OF HOOD. REFER TO HOOD DRAWINGS, SHEET MH101. TYPICAL.
- HOOD CONTROL PANEL, REF HOOD DRAWINGS.



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SHEET ISSUE
 OUT TO PERMIT: 03/21/19

PRINCIPAL IN CHARGE: JC
 PROJECT ARCHITECT: MS
 DRAWN BY: TH

SHEET TITLE
MECHANICAL PLAN

SHEET NO. PROJ. NO.
 M101 2018231.20

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



M101