



GENERAL NOTES

- A. EACH SUPPLY, RETURN AND EXHAUST DIFFUSER/REGISTER WITHOUT SHALL BE PROVIDED WITH A VOLUME DAMPER WITH A CSF AND AN EXTERNAL CABLE. GEAR MECHANISM SHALL BE MOUNTED IN THE CEILING WITH THE CONTROL SHAFT ACCESSIBLE FROM INSIDE THE ROOM, BUT BEHIND A COVER PLATE. TO ALLOW FOR BALANCING OF THE AIRFLOW WITHOUT DISTURBING THE CEILING. GEAR DRIVEN CABLE DAMPERS ARE ONLY REQUIRED IN ROOMS 101-112. ALL OTHER AREAS MANUAL VOLUME DAMPERS ARE ACCEPTABLE. COORDINATE WITH CLEAN ROOM CONSULTANT.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY. FINISHING OF DUCTWORK AND EQUIPMENT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHIN THE ADDITIONAL COST TO THE OWNER.
- C. ABOVE CEILING SPACE IS LIMITED. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO THE PURCHASE, ORDERING OR INSTALLATION OF ANY DUCTWORK.
- D. TRAP AND CRUIU-1 CONDENSATE DRAIN LINE FROM INDOOR FAN COIL UNIT TO NEAREST FLOOR DRAIN.
- E. LOW SIDEWALL, FILTERED PLENUM BOX FOR RETURN OR EXHAUST AIR SHALL BE 8.5' AFF. REFER TO LOW SIDEWALL, FILTERED RETURN/EXHAUST PLENUM BOX DETAIL. DUCT SIZE SHALL MATCH THE COLLAR SIZE OF THE LOW WALL PLENUM BOX THEN TRANSITION TO THE DUCT SIZES SHOWN ON FLOOR PLAN WHEN ABOVE CEILING AND OUT OF WALL POCKET. COORDINATE WITH CLEAN ROOM CONSULTANT.
- F. LOW SIDEWALL, FILTERED PLENUM BOX FOR RETURN AND EXHAUST AIRFLOWS NOTED ON FLOOR PLAN ARE FOR REFERENCE ONLY. THE REQUIREMENT ROOM PRESSURE RELATIONSHIPS PER KEYNOTE 12 MUST BE MET. FINAL CFMS NECESSARY TO MEET PRESSURE REQUIREMENTS DETERMINED BY TEST AND BALANCE. COORDINATE WITH CLEAN ROOM CONSULTANT.
- G. EACH FAN FILTER UNIT SHALL BE PROVIDED WITH A TEST PORT KIT TO ALLOW FOR NAFA COMPLIANT HEPA FILTER SCAN TESTING. TEST PORT SHALL BE INSTALLED WITHIN THE CEILING TO ACCESSIBLE FROM THE ROOM WITHOUT DISTURBING THE CEILING. TUBING SHALL CONNECT INTO THE DUCT COLLAR OF THE FAN FILTER UNIT TO ALLOW THE INTRODUCTION OF TEST AEROSOLS IN THE AIRSTREAM TO VERIFY HEPA FILTER PERFORMANCE. COORDINATE WITH CLEAN ROOM CONSULTANT.
- H. ALL FAN FILTER UNITS (FFUs) PROVIDED BY CLEAN ROOM CONSULTANT; COORDINATE WITH CLEAN ROOM CONSULTANT.
- I. CONTROLS FOR CLEAN ROOM SYSTEMS (CRUIU/CROU, EXHAUST FAN (EF-5), FAN FILTER UNITS, ROOM PRESSURE SENSORS PROVIDED BY CLEAN ROOM CONSULTANT.
- J. CLEAN ROOM CONSULTANT: SVE FILTRATION - BRYAN PRINCE - 228-239-6842

KEYNOTES

- 1 BRANCH DUCT UP TO FLOOR MOUNTED REGISTER ON MEZZANINE LEVEL ABOVE.
- 2 BRANCH DUCTS TAPS OFF TOP OF TRUNK DUCT AND ROUTES WITHIN STRUCTURE.
- 3 3/4" DOOR UNDERCUT.
- 4 MANUFACTURER'S CONTROL PANEL FOR ALL FAN FILTER UNITS. FAN FILTER UNITS SHALL BE GROUPED AND CONTROLLED PER ROOM IN CONTROL HIERARCHY. COORDINATE WITH CLEAN ROOM CONSULTANT.
- 5 SUPPLY AND RETURN DUCTS DOWN FROM FCU-3 ON LEVEL ABOVE.
- 6 SUPPLY DUCT DOWN FROM CRUIU-3 ON LEVEL ABOVE.
- 7 RETURN DUCT DOWN FROM CRUIU-1 ON LEVEL ABOVE.
- 8 SUPPLY DUCT DOWN FROM CRUIU-1 ON LEVEL ABOVE.
- 9 SUPPLY DUCT DOWN FROM CRUIU-2 ON LEVEL ABOVE.
- 10 10"Ø EXHAUST TIED INTO VARIABLE AIRFLOW CANOPY THIMBLE ON TOP OF BIOLOGICAL SAFETY CABINET. COORDINATE WITH CLEAN ROOM CONSULTANT
- 11 EXHAUST DUCTWORK DOWN FROM LEVEL ABOVE.
- 12 ROOM SENSOR LOCATED PER ARCHITECTURAL PLANS. ROOM SENSOR SHALL MONITOR AND RECORD TEMPERATURE, HUMIDITY & PRESSURE IN ROOM AND GENERATE A VISUAL AND AUDITORY ALARM WHEN NOT WITHIN SETPOINTS. COORDINATE WITH CLEAN ROOM CONSULTANT.
- 13 SUPPLY AND RETURN DUCT DOWN FROM FCU-7 ON LEVEL ABOVE.
- 14 THERMOSTAT FOR EXHAUST FAN, EF-4, ON ROOF TO CONTROL EXHAUST FAN ON TOP OF DUMBWATER ELEVATOR TO ENSURE DUMBWATER SHAFT REMAINS WITHIN MANUFACTURER'S REQUIREMENTS.
- 15 OUTSIDE AIR DUCT DOWN FROM LEVEL ABOVE. BALANCE OUTSIDE AIR DUCT TO 240 CFM.
- 16 SIDEWALL DRAFT DAMPER TO RELIEVE EXCESS PRESSURE OR PROVIDE PATHWAY FOR MAKE-UP AIR. COORDINATE SPECIFIC MODEL OF DRAFT DAMPER WITH CLEAN ROOM CONSULTANT AND LOCATION WITH ARCHITECT AND CLEAN ROOM CONSULTANT.
- 17 LOCATE TEMPERATURE & HUMIDITY SENSORS FOR CRUIU UNIT IN RETURN/EXHAUST DUCT AND WIRE BACK TO CONTROLLER IN LEVEL TWO MECHANICAL ROOM.
- 18 LOCATE TEMPERATURE SENSOR IN RETURN/EXHAUST DUCT AND WIRE BACK TO THERMOSTAT IN LEVEL TWO MECHANICAL ROOM.

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

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