



GENERAL NOTES

- A. EACH SUPPLY, RETURN AND EXHAUST DIFFUSER/REGISTER SHALL BE PROVIDED WITH A VOLUME DAMPER WITH A GEAR DRIVE EXTERNAL CABLE. GEAR MECHANISM SHALL BE MOUNTED IN THE CEILING WITH THE CONTROL SHAFT ACCESSIBLE FROM INSIDE THE ROOM TO ALLOW FOR BALANCING OF THE AIR FLOW WITHOUT DISTURBING THE CEILING. GEAR DRIVE CABLE DRIVERS ARE ONLY REQUIRED IN ROOMS 101-112. IN ALL OTHER AREAS, MANUAL VOLUME DAMPERS ARE ACCEPTABLE.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY. FINISH OUTLINE OF DUCTWORK AND EQUIPMENT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- C. ABOVE CEILING SPACE IS LIMITED. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO THE PURCHASE, FABRICATION OR INSTALLATION OF ANY DUCTWORK.
- D. TRAP AND PUMP CONDENSATE DRAIN LINE FROM INDOOR MINI-FAN COIL UNIT TO NEAREST FLOOR DRAIN. TRAP AND ROUTE 1-1/4" CONDENSATE DRAIN LINE FROM INDOOR CRIU TO NEAREST FLOOR DRAIN.
- E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR THE TIMING FOR INSTALLATION OF CRIUS SINCE THEY CANNOT FIT WITHIN DOORWAYS.
- F. CONTROLS FOR CLEAN ROOM SYSTEMS (CRIUS/CROUS, EXHAUST FAN (EF-5), FAN FILTER UNITS, ROOM PRESSURE SENSORS PROVIDED BY CLEAN ROOM CONSULTANT.
- G. CLEAN ROOM CONSULTANT: SVE FILTRATION - BRYAN PRINCE - 228-239-6842

KEYNOTES

- 1 BAG-IN/BAG-OUT HEPA FILTER FOR EXHAUST SYSTEM MOUNTED IN VERTICAL AIRFLOW DIRECTION. ORIENT BIBO FILTER SO SERVICE ACCESS IS POSSIBLE FROM THE CENTER OF THE MECHANICAL ROOM. COORDINATE WITH CLEAN ROOM CONSULTANT.
- 2 EXHAUST DUCTWORK UP TO EXHAUST FAN ON ROOF.
- 3 SUPPLY DUCTWORK DOWN TO LEVEL BELOW.
- 4 RETURN DUCTWORK DOWN TO LEVEL BELOW.
- 5 CONDENSING UNIT/ MINI HEAT PUMP MOUNTED ON SIDEWALL. UNITS SHALL BE HIGH ENOUGH ABOVE GRADE TO AVOID TOP CLEARANCE OF OTHER OUTDOOR UNITS LOCATED ON GRADE.
- 6 10"Ø OUTSIDE AIR DUCT DOWN FROM INTAKE HOOD ON ROOF CONTINUES DOWN THROUGH DEAD SPACE TO LEVEL BELOW.
- 7 EXHAUST DUCT DOWN FROM EXHAUST HOOD ON ROOF CONTINUES DOWN THROUGH DEAD SPACE TO LEVEL BELOW.
- 8 FLOOR MOUNTED SUPPLY REGISTERS SERVED FROM LEVEL BELOW.
- 9 OUTSIDE AIR DUCT DOWN FROM INTAKE HOOD ON ROOF. OUTSIDE AIR DUCT TIES INTO RETURN DUCT OF MINI-FAN COIL UNIT. BALANCE OUTSIDE AIR DUCT TO CFM SHOWN IN DUCTLESS SPLIT DIRECT EXPANSION (DX) EQUIPMENT SCHEDULE.
- 9 OUTSIDE AIR DUCT DOWN FROM INTAKE HOOD ON ROOF. OUTSIDE AIR DUCT TIES INTO RETURN DUCT OF MINI-FAN COIL UNIT. BALANCE OUTSIDE AIR DUCT TO CFM SHOWN IN DUCTLESS SPLIT DIRECT EXPANSION (DX) EQUIPMENT SCHEDULE.
- 10 BATHROOM EXHAUST DUCT ROUTED UP TO EXHAUST HOOD ON ROOF.
- 11 3/4" DOOR UNDERCUT.

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**INNOVATION
 COMPOUNDING
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REVISIONS:

NO.	DATE	DESCRIPTION
1	10.11.19	REVISION 1

DRAWN BY: AS
 CHECKED BY: PK
 DATE: 09.24.19
 PROJECT NUMBER: 17125-IC
 SHEET NO:

M1.2

1 2ND FLOOR PLAN
 1/4" = 1'-0"

ISSUED FOR PERMITTING