



Order Plans @

GENERAL NOTES

- A. ALL RETURN GRILLS SHALL BE FILTERED UNTIL TEST AND BALANCE IS DONE. GRILLE OR REGISTER
- B. PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKE OFFS SERVING SINGLE DIFFUSER.
- C. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS
- D. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCTWORK AND RATED WALLS.
- E. COORDINATE DUCTWORK WITH STRUCTURE. PREPARE COORDINATION DRAWINGS AS SPECIFIED
- F. PROVIDE ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED CLEARANCES FOR ALL EQUIPMENT
- G. FIRST TWENTY FEET OF SUPPLY AND RETURN DUCT ON AIR HANDLER 2 AND 3 SHALL BE DOUBLE WALL WITH INTERIOR METAL LINER (MCGILL AIRFLOW CORP. RECTANGULAR-K27).
- H. PROVIDE REMOTE OPERATED DAMPER WHERE MANUAL BALANCING DAMPER IS CONCEALED ABOVE A SHEET ROCK OR GYPSUM BOARD CEILING OR IN OTHER INACCESSIBLE LOCATIONS. DAMPER CONTROL SHALL TERMINATE AT WALL, CEILING OR IN DIFFUSER AS SPECIFIED ON PLANS. REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS.

KEYNOTES

- | NUMBER | NOTES |
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| 1 | PROVIDE, ROUTE AND SIZE REFRIGERANT PIPING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR CONDENSING UNIT LOCATED OUTSIDE AND RESPECTIVE INDOOR UNIT. PROVIDE LONG RADIUS ELBOWS AND ALL REFRIGERANT PIPING SPECIALTIES PER MANUFACTURER'S REQUIREMENTS/RECOMMENDATIONS. ROUTE 3/4" CONDENSATE PIPING TO STORM WATER PIPING. PROVIDE CHECK VALVE UPSTREAM OF CONNECTION. REFER TO PLUMBING DRAWINGS. ROUTE INSULATED CONDENSATE DRAIN ABOVE CEILING. REFER TO PLUMBING DRAWING. |
| 2 | 18" x 18" SUPPLY DUCT UP TO SECOND FLOOR. |
| 3 | 32" x 20" RETURN DUCT UP TO AHU-3 ON SECOND FLOOR. |
| 4 | ARCHITECTURAL EXHAUST LOUVER WITH REQUIRED FREE AREA OF 8.0 SQ. FT. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION. PROVIDE SHEET METAL FLENUM TRANSITION FROM DUCTWORK TO LOUVER. |
| 5 | ARCHITECTURAL EXHAUST LOUVER WITH REQUIRED FREE AREA OF 0.6 SQ. FT. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION. PROVIDE SHEET METAL FLENUM TRANSITION FROM DUCTWORK TO LOUVER. |
| 6 | DOWN FROM VAV-2.2 |
| 7 | ARCHITECTURAL EXHAUST LOUVER WITH REQUIRED FREE AREA OF 3.3 SQ. FT. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION. PROVIDE SHEET METAL FLENUM TRANSITION FROM DUCTWORK TO LOUVER. |
| 8 | PROVIDE 1/2" x 1/2" WIRE MESH. |
| 9 | PROVIDE 22" x 12" TRANSFER DUCT. GRILLE TO MATCH DUCT DIMENSIONS. |
| 10 | INSULATE PIPING AND PROVIDE ALUMINUM JACKETING. PROVIDE WALL COVER INLET CAP. MADE OF UV RESISTANT PVC. WHITE COLOR. |

FIRST FLOOR PLAN - HVAC 1/8" = 1'-0" 1

VOLT AIR
 THESE ITEMS HAVE BEEN ELECTRICALLY CHECKED BY:
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PERMIT SET
 05/06/2020

FGA PROJECT NUMBER
 19048

ISSUE DATE
 04-15-2020

NO.	DATE	NOTES

SHEET NAME
 FIRST FLOOR PLAN - HVAC

SHEET NUMBER
 M2.1