



- CONTRACTOR SHALL INSTALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRANSITIONS, FITTINGS, ELBOWS, DUCTWORK, PIPING, SUPPORTS, ETC. NECESSARY FOR A PROPER INSTALLATION AND OPERATION OF A NEW HVAC SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF INSTALLATION WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF NEW MECHANICAL EQUIPMENT WITH NEW LIGHT LOCATIONS, TILE LOCATIONS. REFER TO ARCHITECT'S REFLECTED CEILING PLAN LAYOUT.
- ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- DUCT SMOKE DETECTORS SHOWN ON PLANS DIMENSIONS SHALL REFER TO MANUFACTURER'S INSTRUCTIONS FOR EXACT/OPTIMUM LOCATION IN DUCT.
- ANY WALL, ROOF, FLOOR, EQUIPMENT, ETC. DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR AND/OR OWNER.

GENERAL NOTES K1 NTS

- ALL BRANCH DUCTWORK SHALL BE EQUIPPED WITH A CONICAL, BELLMOUTH OR 45° TAKE OFF WITH VOLUME DAMPER. DAMPER SHALL BE STANDOFF TYPE WITH INDICATING AND LOCKING QUADRANT HANDLE. REFER TO MECHANICAL DETAILS FOR APPROVED BRANCH DUCT TAKE-OFF TYPES.
- PROVIDE OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF AIR DEVICE. FOR ALL AIR DEVICES LOCATED IN HARD CEILINGS.
- BRANCH DUCT TAKE-OFFS ARE SHOWN DIAGRAMMATICALLY. WHERE SIDE DIMENSION OF DUCT DOES NOT ACCOMMODATE HEIGHT OF TAKE-OFF, CONTRACTOR MAY CONNECT TO BOTTOM OR TOP OF MAIN DUCT.

BRANCH DUCT NOTES K1 NTS

- PROVIDE 3/4" CONDENSATE DRAIN AND ROUTE TO HUB DRAIN IN MECHANICAL ROOM.
- PROVIDE 4" SPIN-IN FITTING WITH VOLUME DAMPER. BALANCE TO 50 CFM (MIN.) FOR MECHANICAL ROOM PRESSURIZATION.
- EXHAUST FAN SHALL BE INSTALLED VERTICALLY IN DUCT RISING UP FROM FIRST FLOOR BELOW.
- PROVIDE FIELD FABRICATED SHEET METAL PLENUM OFF OF GRAVITY VENT. PLENUM SHALL BE INTERNALLY SECTORIZED TO SEPARATE AIR STREAMS AND LARGE ENOUGH TO ACCOMMODATE CONNECTION OF EACH EXHAUST DUCT.
- DRYER EXHAUST BOOSTER FAN. CONTRACTOR SHALL PROVIDE RELAYS, WIRING, AND ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM. 4" DRYER EXHAUST DUCT CONTINUES UP TO GOOSENECK ON ROOF ABOVE. PROVIDE WITH BACKDRAFT DAMPER (NO BIRDSCREEN).
- PROVIDE S.S. CABINET FOR FIRE SUPPRESSION EQUIPMENT. REFER TO KITCHEN HOOD SCHEDULE FOR MORE INFORMATION.
- TRANSITION FROM HOOD OUTLET DIMENSIONS TO INLET DIMENSIONS OF ROOF MOUNTED EQUIPMENT PRIOR TO PENETRATING ROOF DECK. COORDINATE WITH JOIST LOCATION AS WELL AS ANY ASSOCIATED JOIST BRIDGING.
- ROUTE 4" RIGID UNLINED ELBOW AND DUCT FROM DRYER VENT UP TO GOOSENECK ON ROOF. PROVIDE WITH BACKDRAFT DAMPER (NO BIRDSCREEN). KEEP DUCT TIGHT TO SMOKE RATED WALL. COORDINATE EXACT SIZE AND ROUTING BASED ON MANUFACTURER'S SPECIFICATIONS. PROVIDE A MEANS FOR CLEAN OUT AT LOW POINT OF VERTICAL RISE. MAINTAIN 6 INCHES OF CLEARANCE FROM ANY COMBUSTIBLE MATERIALS.

KEYED NOTES C1 NTS

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**Pasco County
 Fire & Rescue Station
 No. 17**
 New Port Richey, Florida

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 CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

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MECHANICAL SECOND FLOOR ENLARGED PLAN - WEST



A3
 1/4"=1'

05/25/20
 Joshua W. Garcia, P.E., FGA, Fire Station 17 Mechanical Floor Plans.dwg