

OUTSIDE AIR CALCULATIONS PER 2010 EBC MECH. 403.3
 Vz = RpZ+RgZ
 GENERAL OFFICE AREA
 Vz = 5 cfm x 30 persons + .06 cfm x 1,054.6 S.F. = 213.3 cfm
 AHU #1 = 213.3 cfm
 Vz = 5 cfm x 30 persons + .06 cfm x 1,054.6 S.F. = 213.3 cfm
 AHU #2 = 213.3 cfm
 NOTE: AHU #1 TO RECEIVE 213.3 CFM OUTSIDE AIR MIN.
 NOTE: AHU #2 TO RECEIVE 213.3 CFM OUTSIDE AIR MIN.

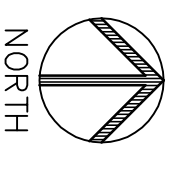
GENERAL MECHANICAL NOTES

1. HVAC UNITS FOR BUILDING ARE (2) NEW 3-1/2 TON SPLIT SYSTEMS.
2. AHU'S ARE READ TO HAVE OUTSIDE AIR PER CHART ABOVE FOR HEALTH VENTILATION.
3. HVAC CONTRACTOR SHALL COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ALL TRADES BEFORE INSTALLATION.
4. THE HVAC SYSTEM SHALL CONFORM TO LOCAL BUILDING CODES AND ALL APPLICABLE JURISDICTION BODIES.
5. INSULATED DUCTWORK AS INDICATED SHALL BE DUCT BOARD AND OR FLEX DUCT.
6. ALL OUTSIDE AIR INTAKES TO BE A MINIMUM OF 10'-0" AWAY FROM EXHAUSTS, FLUES, PLUMBING VENTS, ETC.
7. HVAC CONTRACTOR TO MOUNT ALL SENSORS AT 48" -54" ABOVE FINISH FLOOR.
8. NOTE: USE MATCHING THERMOSTAT.
9. HVAC CONTRACTOR IS RESPONSIBLE FOR BALANCING AIR QUANTITIES AS SHOWN ON THE PLANS FOR THE HVAC SYSTEM. TOLERANCE AT EACH SUPPLY AND RETURN WILL BE + 10% OF CFM SHOWN ON DRAWINGS.
10. HVAC CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY FOR A COMPLETE SYSTEM.
11. ALL HVAC GRILLES AS READ TO BE WHITE IN COLOR. LAY-IN GRILLES TO BE METAL-AIRE DRAWING 9800 SERIES 2, 3 & 4 WAY DIFFUSERS. REMAINDER OF GRILLES PER DRAWING.
12. DUCT WORK AS SHOWN IS DIAGRAMATIC. JOB SITE CONDITIONS MAY ALTER LAYOUT AS SHOWN. IF ANY CONFLICTS ARISE, CONTACT ARCHITECTS OFFICE FOR BOTH SPACES.
13. MECHANICAL SUB CONTRACTOR TO SUBMIT CERTIFIED TEST AND BALANCE REPORT.
14. AHU # 2 TO SERVE ATTIC W/ 75 CFM CONDITIONED AIR.
15. RETURN AIR DUCT NOT SHOWN FOR CLARITY BUT MUST BE COMPLETE SYSTEM WITH TRUNK AND DROPS. LAY IN RETURN TO BE USED.

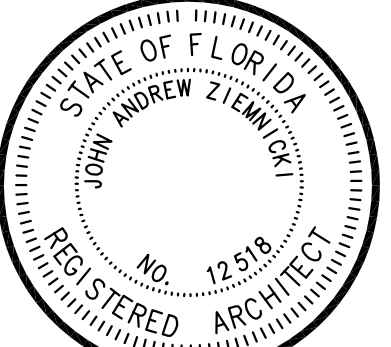


MECHANICAL PLAN

SCALE : 1/4" = 1'-0"



Job No. 13-19
 Date 4-28-14
 Sheet No. **M-1**
 of 1



NEW BUILDING FOR:
CONSTANTINE CHIROPRACTIC
 312 7TH STREET WEST
 PALMETTO, FLORIDA



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