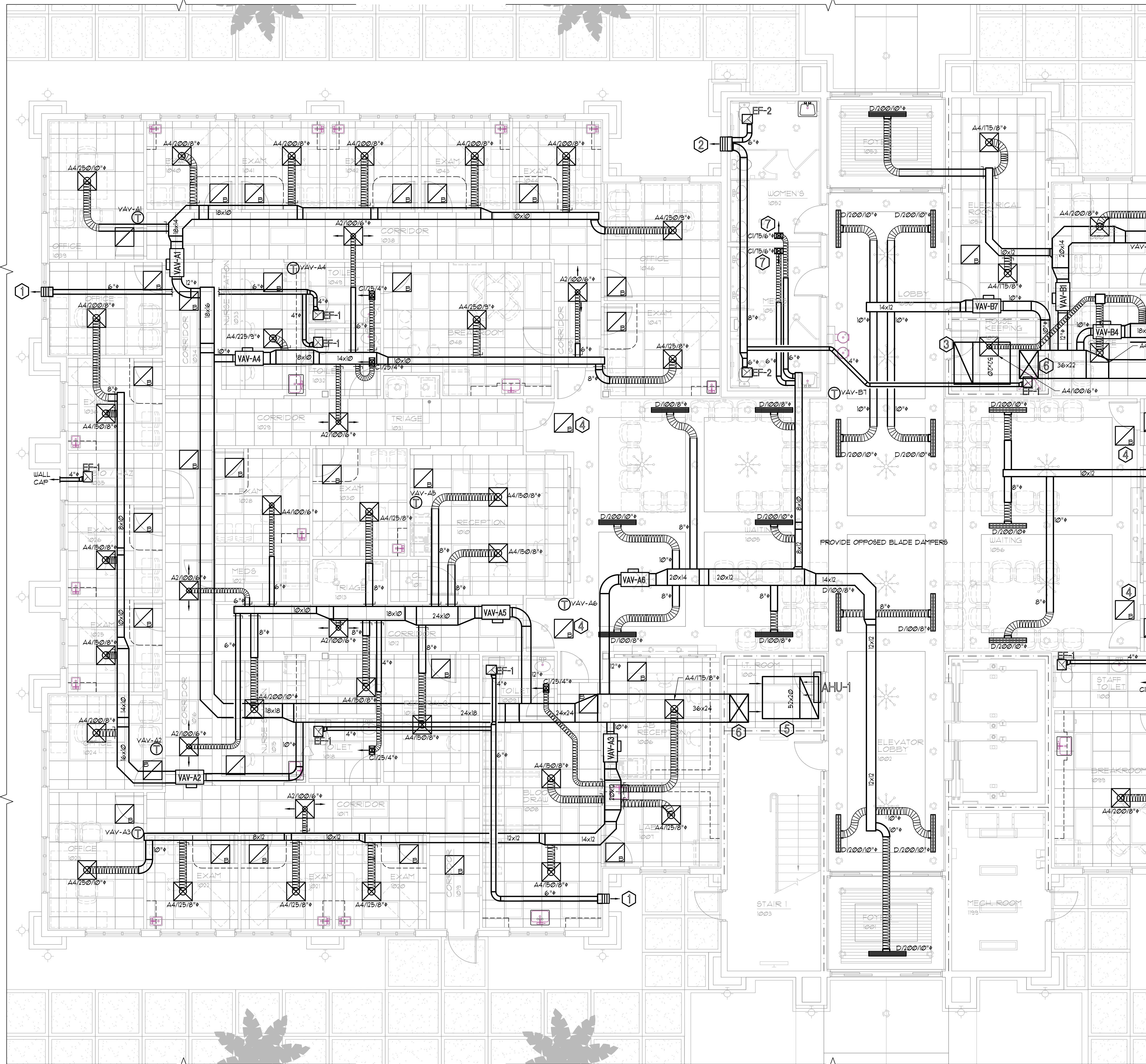


HVAC LEGEND

- CEILING SUPPLY DIFFUSER
- CEILING RETURN
- CEILING EXHAUST FAN
- THERMOSTAT
- SMOKE DETECTOR
- VOLUME DAMPER
- RIGID DUCT
- FLEXIBLE DUCT
- FLOW DIRECTION
- LINEAR SUPPLY GRILLE



OUTSIDE AIR CALCULATION:

OFFICE OCCUPANCY:
 NET OCCUPIABLE SPACE (N.O.S.) = 4591 SQ. FT.
 MAX. OCCUPANCY = 108 PERSONS

CALCULATION:
 (N.O.S. X 0.6) + (OCCUPANCY X 5 CFM/PERSON) = REQUIRED CFM.
 (4591 X 0.6) + (108 X 5 CFM/PERSON) = 815.46 REQUIRED CFM.

OUTSIDE AIR PROVIDED:
 RTU-1 = 850 CFM

TOTAL: 850 CFM - IN COMPLIANCE.

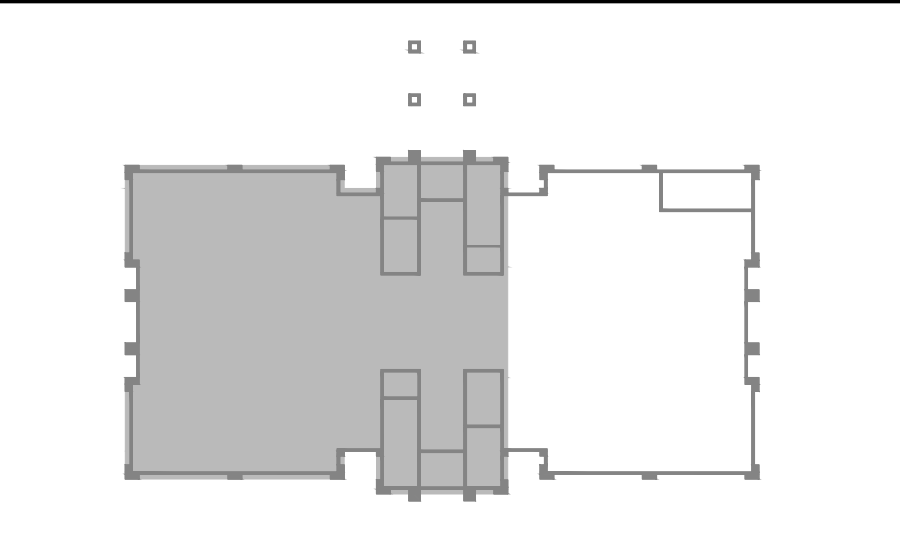
HVAC GENERAL NOTES

1. DUCT SIZES ARE CLEAR, INSIDE DIMENSIONS. VERIFY ALL DIMENSIONS AND LOCATIONS PRIOR TO FABRICATION OR INSTALLATION. ALL NEW DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH 2" 1/4 LB. DENSITY FOIL FACED EXTERIOR INSULATION WITH AN "R" VALUE OF 42. ALL JOINTS SHALL BE SEALED WITH MASTIC. ROUND EXHAUST DUCT SHALL BE SINGLE WALL ROUND SPIRAL OR SNAP-LOK DUCT. EXHAUST DUCTS DO NOT NEED TO BE INSULATED UNLESS REQUIRED BY LOCAL ORDINANCE. ALL DUCT SHALL BE CONSTRUCTED AND INSTALLED PER SMACNA REQUIREMENTS.
2. ALL BRANCH CONNECTIONS SHALL BE CLASS ONE FLEXIBLE DUCT WITH A MANUAL VOLUME DAMPER INSTALLED IN THE COLLAR AT THE MAIN TRUNK FOR BALANCING PURPOSES.
3. PROVIDE FIRE DAMPERS AT ALL PENETRATIONS OF RATED WALLS. REFER TO DETAILS ON SHEET M2.
4. THE HVAC CONTRACTOR SHALL SURVEY SITE PRIOR TO BID SUBMISSION TO FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS, LOCATIONS AND THE SCOPE OF WORK.
5. EXISTING VAV BOXES SHALL BE VERIFIED FOR PERFORMANCE DURING TEST AND BALANCE.
6. DEVIATION FROM MATERIALS, METHODS, OR PROCEDURES SET FORTH HEREIN MUST BE APPROVED, IN WRITING, BY ENGINEER PRIOR TO SUBMISSION OF BID, ORDER FABRICATION OR INSTALLATION.
7. ANY AND ALL QUESTIONS AS TO THE INTENT OF, OR PROCEDURES SET FORTH IN THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO SUBMISSION OF A BID. LACK OF KNOWLEDGE OR UNDERSTANDING OF PLANS SHALL NOT JUSTIFY ANY CLAIMS OR EXTRA COMPENSATION.
8. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, AND ORDINANCES.
9. THE HVAC CONTRACTOR SHALL COORDINATE ALL EQUIPMENT, DUCT, & DIFFUSER LOCATIONS AND CLEARANCES WITH ALL OTHER TRADES ON PROJECT, IN PRE-CONSTRUCTION MEETING, PRIOR TO ANY ORDER, FABRICATION, OR INSTALLATION.
10. COORDINATE WITH THE BUILDING MANAGER ON THE APPROVED HOURS FOR WORK TO BE DONE AS WELL AS OTHER SPECIFIC REQUIREMENTS PERTAINING TO THE BUILDING HVAC SYSTEM(S).
11. SUPPLY DUCTWORK SHALL BE CONSTRUCTED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH SMACNA REQUIREMENTS FOR A 1" POSITIVE STATIC PRESSURE CLASSIFICATION.
12. COORDINATE WITH THE BUILDING MANAGER ON TAPS INTO MAIN SUPPLY DUCT FOR NEW VAV BOXES PRIOR TO COMMENCEMENT OF WORK.
13. THE MECHANICAL CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT TEST AND BALANCE AGENCY TO TEST AND BALANCE ALL HVAC SYSTEMS AND AGENCY TO TEST AND BALANCE ALL HVAC SYSTEMS AND DEVICES IN THIS PROJECT'S SCOPE OF WORK. FINAL VALUES SHALL BE WITHIN TEN PERCENT OF LISTED DESIGN VALUES. SUBMIT REPORT TO THE ARCHITECT AND ENGINEER FOR REVIEW. PROVISIONS SHALL BE MADE FOR ADJUSTMENTS AS DEEMED NECESSARY BY THE ENGINEER. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED.

KEYED NOTES:

- 1 NEW RUSKIN EME6325D 12x18 LOUVER WITH PLENUM BOX FOR CONNECTION OF EXHAUST DUCTS. COORDINATE WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- 2 NEW RUSKIN EME6325D 18x18 LOUVER WITH PLENUM BOX FOR CONNECTION OF EXHAUST DUCTS. COORDINATE WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- 3 SUPPLY & RETURN DOWN DUCTS FROM RTU-2. ROUTE RETURN DUCT TO JUST BELOW FLOOR JOIST WITH 1/4"x1/4" HARDWARE CLOTH END CAP.
- 4 PROVIDE SURFACE MOUNT FRAME FOR INSTALLATION IN GYP CEILING.
- 5 SUPPLY & RETURN DOWN DUCTS FROM RTU-1. ROUTE RETURN DUCT TO JUST BELOW FLOOR JOIST WITH 1/4"x1/4" HARDWARE CLOTH END CAP.
- 6 TRANSITION SUPPLY DOWN DUCT FROM UNIT OPENING OVER AND TIGHT TO CHASE WALL TO ALLOW ADEQUATE ROOM FOR RETURN DUCT SOUND ATTENUATION ELBOW TO BE INSTALLED. FIELD COORDINATE PRIOR TO FABRICATION AND INSTALLATION.
- 7 PROVIDE OPPOSED BLADE DAMPER.

KEY PLAN



1 1ST FLOOR - PARTIAL MECHANICAL PLAN
 SCALE: 3/16" = 1'-0"

<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50px;"> </td><td style="width: 50px;">BY</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		BY									<p>OLIVERI ARCHITECTS</p> <p>Member of the American Institute of Architects 32701 US Hwy. 19 • Palm Harbor, FL 34684 Phone: 727.781.7225 • Fax: 727.781.7628 www.oliveriarchitects.com</p> <p>©2018 OLIVERI ARCHITECTS ALL INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF OLIVERI ARCHITECTS ALL RIGHTS RESERVED.</p> <p>REGISTERED PROFESSIONAL ENGINEER PE 14175 STATE OF FLORIDA</p> <p>MDCL FLORIDA, INC. 14505 US Highway 19, Suite 300 Safety Harbor, Florida 34685 Engineering Bureau No. 9204 © Copyright 2018 • Project No. 1719</p> <p>New Medical Office Building FLORIDA MEDICAL CLINIC Eiland Boulevard & Simons Road Zephyrhills, Florida 33542 Pasco County</p> <p>Date: 02.13.18 Scale: AS NOTED Project Mgr: AAY Drawn: BMD Job: 15-025 Sheet</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">M1</p>
	BY										

