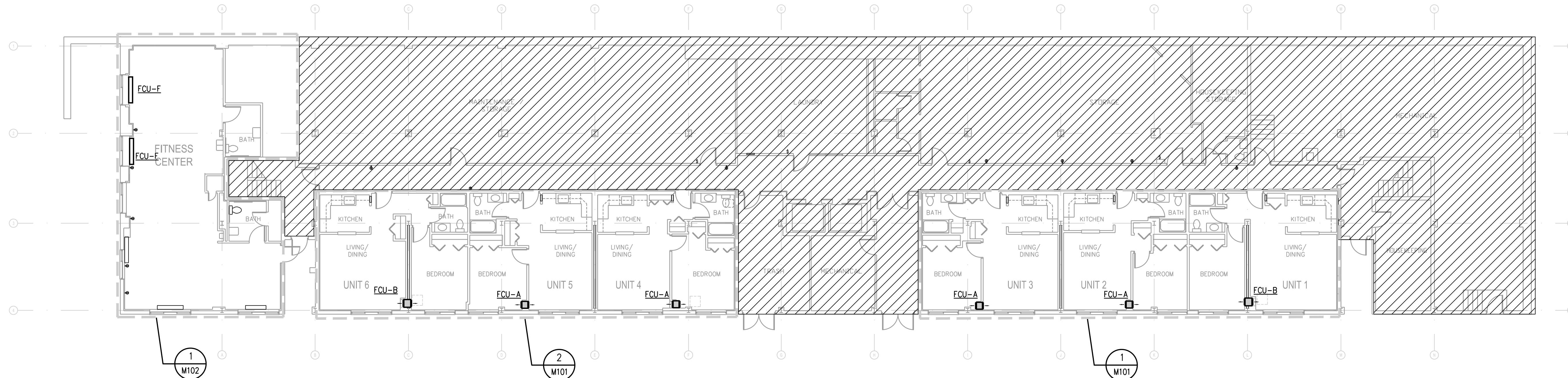




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CERTIFICATE OF AUTHORIZATION #0201

I certify that these documents were prepared by or approved by me and that I am a duly licensed professional engineer under the laws of the State of Maryland, license number 18505 expiration date 6/30/15.



VENTILATION

NATURAL VENTILATION METHOD IS ADOPTED FOR OUTSIDE AIR REQUIREMENTS FOR THIS RENOVATION PROJECT. ALL OCCUPIED SPACES ARE PROVIDED WITH OPERABLE WINDOWS. OPERABLE AREAS OF OPERABLE WINDOWS ARE EXCEEDING MINIMUM REQUIREMENTS BY THE 2012 INTERNATIONAL MECHANICAL CODE.

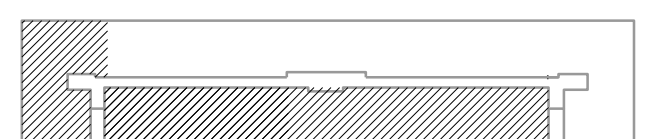
H.V.A.C. LEGEND

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- RIGID DUCTWORK (WIDTH/DEPTH)
- ELBOW WITH TURNING VANES
- FLEXIBLE DUCT WITH SPIN-IN FITTING AND MANUAL VOLUME DAMPER
- MANUAL VOLUME DAMPER
- DUCT MOUNTED SMOKE DETECTOR
- THERMOSTAT
- DOOR UNDERCUT
- POINT OF DISCONNECTION
- POINT OF CONNECTION

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING WORK. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL EXISTING CONDITIONS, PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
2. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN.
3. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNERS REQUEST DISPOSED OF BY THE CONTRACTOR.
4. ALL GRILLES, HVAC EQUIPMENT, ETC. THAT ARE REMOVED SHALL BE REMOVED AS DIRECTED BY THE OWNER, AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. ALL PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
5. ALL EXISTING HVAC EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, PIPING AND DUCT WORK, ETC. THAT IS NOT BEING REUSED BACK TO ITS SOURCE.
6. ALL CONCRETE, WALL PATCHING, CEILING REPAIR, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING HVAC SYSTEMS AND TO REPAIR TO "LIKE NEW CONDITION" TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. (COORDINATE WITH GENERAL CONTRACTOR).
7. PROVIDE AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO ACCOMMODATE ANY EQUIPMENT OR DUCTWORK RELOCATION.
8. CONTRACTOR SHALL INSPECT ALL EXISTING PIPING INSULATION ABOVE THE CEILING IN AREAS BEING RENOVATED. PATCH AND SEAL INSULATION AS REQUIRED FOR A CONTINUOUS INSULATING VAPOR BARRIER.
9. ALL EXISTING EXHAUST DUCTWORK IN THE AREA OF SCOPE OF HVAC WORK SHALL BE SEALED AIR TIGHT AND ANY NOT USED OPENING SHALL BE CAPPED. CONNECT NEW BATHROOM EXHAUST DUCTS TO EXISTING BATHROOM EXHAUST DUCTWORK SERVING THE BUILDING, CAP AND SEAL ALL AND ANY EXISTING AND NOT USED DUCTWORK IN THE AREA OF HVAC WORK ON THE PLANS.
10. CAP AND INSULATE ANY AND ALL NOT USED CHILLED/HOT WATER CONNECTIONS IN THE AREA OF HVAC SCOPE OF WORK SHOWN ON PLANS.
11. REPORT ANY EXISTING DAMAGED CHILLED/HOT WATER PIPING AND PIPE INSULATION TO BUILDING OWNER PRIOR TO START OF WORK AND ASK FOR DIRECTION. MAKE A RECORD OF PRE-EXISTING CONDITIONS.

key plan



graphic scales

project: 21413
phase: PERMIT SET
date: 16 February 2015
revisions:

BASEMENT FLOOR PLAN
BLDG 5800 - H.V.A.C.

M-100

1 M-100 **BASEMENT FLOOR PLAN BLDG 5800 - H.V.A.C.**
SCALE: 3/32"=1'-0"

