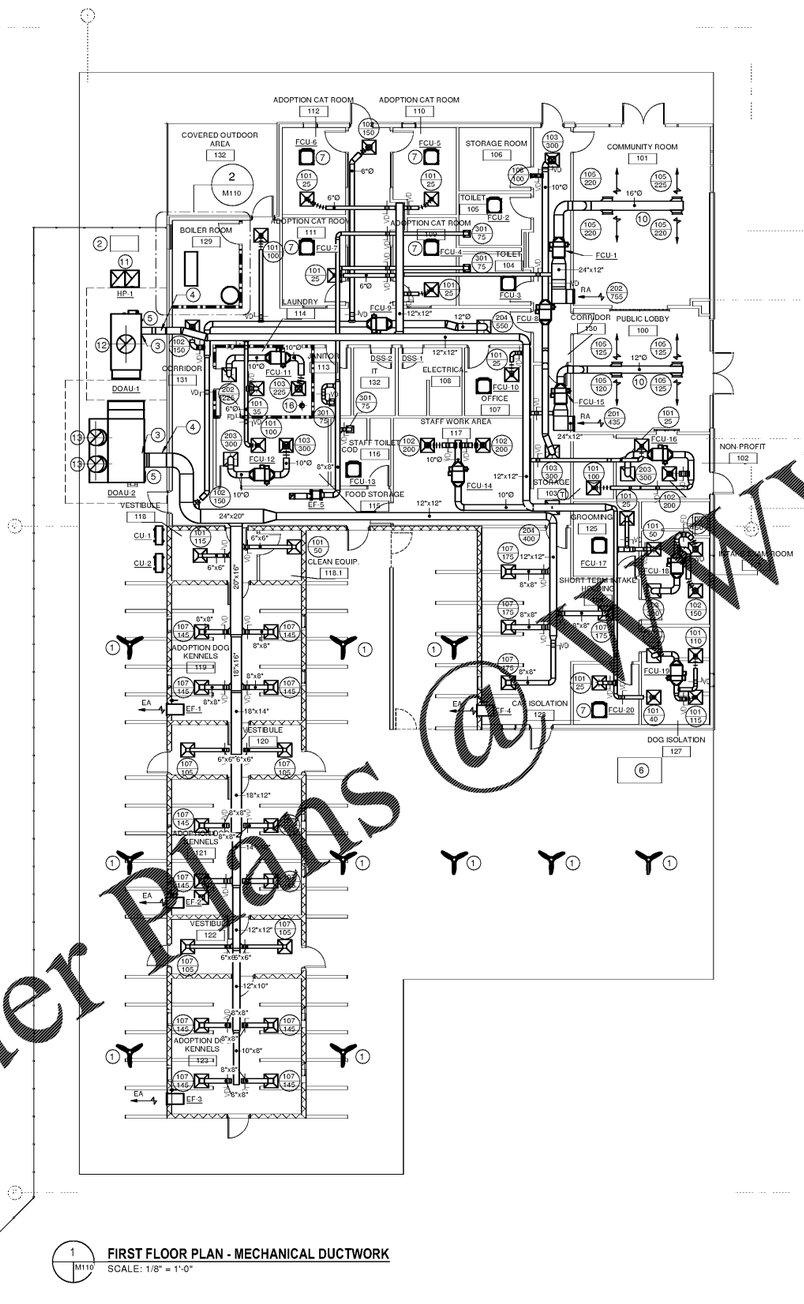


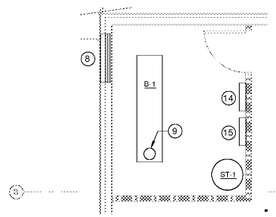
1 M110 **FIRST FLOOR PLAN - MECHANICAL DUCTWORK**
SCALE: 1/8" = 1'-0"

GENERAL NEW WORK NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE COMMENCING WORK.
2. THIS CONTRACT REQUIRES COMPLETE, FINISHED WORKABLE PROJECT OF THE AREAS INDICATED BY THE CONTRACT DOCUMENTS, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE SAME, REGARDLESS OF WHETHER OR NOT EACH AND EVERY NECESSARY WORK OR ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWING AND/OR NOTES.
3. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
4. CONTRACTOR SHALL FURNISH ALL ADDITIONAL DATA AND DOCUMENTATION TO SECURE ALL REQUIRED PERMITS AND SHALL COORDINATE THIS DATA WITH THE CONSTRUCTION DOCUMENTS WHERE REQUIRED.
5. AS A MINIMUM, ALL WORK SHALL CONFORM TO THE APPLICABLE BUILDING CODE ADOPTED BY THE JURISDICTION OF THE WORK. WHERE MORE STRINGENT CODES ARE ADOPTED, THEY SHALL GOVERN THE WORK.
6. ALL WORK SHALL CONFORM TO APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES AND ORDINANCES.
7. TO PROVIDE ACCESSIBILITY FOR THE PHYSICALLY HANDICAPPED, ALL WORK SHALL CONFORM TO PUBLIC LAW 101-336 (AMERICANS WITH DISABILITIES ACT OF 1990).
8. ALL WORK SHALL CONFORM TO THE APPLICABLE NFPA 101 LIFE SAFETY CODE ADOPTED BY THE JURISDICTION OF THE WORK.
9. AROUND ALL EXPOSED PIPES, CONDUIT OR DUCTS, INSTALL ENCLOSURES OF THE SAME MATERIAL AND FINISH AS ADJACENT WORK, UNLESS NOTED OTHERWISE.
10. LOUVERS, GRILLES, VENTILATORS AND FANS SHALL BE BUILT SNUGLY INTO OPENINGS. ALL SUCH ASSEMBLIES TO BE FLASHED, WATERSTOPPED AND SEALED.
11. FIELD CHECK ALL ROUGH AND/OR FINISH DIMENSIONS FOR ACCURATE FITTING OF EQUIPMENT, CABINETS, COUNTERS, FIXTURES AND ACCESSORIES BEFORE FABRICATION. PROVIDE AND INSTALL ALL NECESSARY FILLERS, SCRIBE STRIPS, PANELS, BASES OR TRIM TO COMPLETE AND FINISH INSTALLATIONS.
12. ALL SWITCHES, OUTLETS, THERMOSTATS, CLOCKS, SPEAKERS OR OTHER WALL MOUNTED DEVICES OR CONTROLS SHALL BE INSTALLED IN LOCATIONS WHICH ARE UNOBSTRUCTED BY CABINETS, COUNTERS, RACKS, FIXTURES, FURNISHINGS OR EQUIPMENT. ITEMS INTENDED TO BE SURFACE MOUNTED SHALL NOT BE INSTALLED ON, THROUGH OR INTO ANY OTHER EQUIPMENT UNLESS SPECIFICALLY CALLED FOR. VERIFY MOUNTING HEIGHTS WITH ADA REQUIREMENTS.
13. PROVIDE AND INSTALL ALL NECESSARY HARDWARE, BRACKETS, BLOCKING, ANCHORING, INSERTS, BLOCKING, FURRING OR OTHER SUPPLEMENTARY ITEMS REQUIRED FOR COMPLETE INSTALLATION OF EQUIPMENT, FIXTURES AND ACCESSORIES.
14. ALL CONTRACTORS ARE TO COORDINATE THE WORK OF EACH OTHER. REVIEW THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCE. OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUTS, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, CONFER WITH EACH CONTRACTOR EXACT LOCATION OF ALL ITEMS.
15. WHERE MATERIALS REFERENCED ON DRAWINGS ARE NECESSARY TO COMPLETE THE WORK OF THIS CONTRACT ARE NOT SPECIFICALLY DESCRIBED HEREIN, PROVIDE BEST QUALITY MATERIALS. WHERE MATERIALS ARE INTENDED TO MATCH EXISTING, PROVIDE CLOSEST POSSIBLE MATCH, SUBJECT TO OWNER'S APPROVAL. ALL ITEMS OF WORK OR EQUIPMENT SHALL BE NEW UNLESS INDICATED OTHERWISE. ALL WORK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED OR REPLACED. WHERE ITEM CANNOT BE REPAIRED TO A "NEW" CONDITION OR WHERE ITS STRUCTURAL INTEGRITY HAS BEEN AFFECTED, ITEM SHALL BE REPLACED.
16. CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PURCHASED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO ROUGH-IN SERVICES, CONFER WITH OWNER EXACT LOCATION OF ALL ITEMS.
17. DESIGN WINDSPEED FOR THE PROJECT IS 130MPH. ALL LOUVERS MUST RESIST POSITIVE AND NEGATIVE WIND LOAD ATTRIBUTED TO THE WINDSPEED BY ASCE 7-05 AND FACTORY MUTUAL DATA SHEETS 1-28 & 1-49, WHICHEVER IS MORE STRINGENT.
18. PRODUCTS CONTAINING SILICONE ARE PROHIBITED FROM USE ON THIS PROJECT UNLESS SPECIFICALLY APPROVED IN ADVANCE BY THE OWNER.
19. INSTALL DRAIN PANS BENEATH ALL FAN COIL UNITS. REFER TO M-501 FOR DETAIL.
20. ALL VOLUME DAMPERS ARE REQUIRED AS SHOWN.

DRAWING NOTES

1. PROVIDE NEW 48" WHITE HIGH PERFORMANCE BARN & FARM CEILING FAN BY BARN LIGHT ELECTRIC COMPANY OR APPROVED EQUIVALENT.
2. LANDFILL GAS DRYER SYSTEM PROVIDED BY PLUMBING CONTRACTOR.
3. PROVIDE FLEXIBLE DUCT CONNECTION.
4. PROVIDE DUCT SUPPORT.
5. ROUTE DUCT TIGHT TO BUILDING WALL AND PROVIDE A WATER TIGHT PENETRATION AT BUILDING WALL.
6. GENERATOR PROVIDED BY ELECTRICAL CONTRACTOR. EXTEND GENERATOR FLUE UP ABOVE ROOF AND PROVIDE WEATHERPROOF CAP. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. PROVIDE GLOBAL PLASMA SOLUTIONS NEGATIVE ION GENERATOR MODEL GPS-FC OR APPROVED EQUIVALENT LOCATED INSIDE FAN COIL UNIT. INSTALL PER MANUFACTURERS INSTALLATION MANUAL.
8. PROVIDE NEW 42"x42" COMBUSTION AIR LOUVER NAILOR 1606KD OR APPROVED EQUIVALENT. LOUVER SHALL BE INSTALLED SUCH THAT THE TOP OF THE OPENING IS NO MORE THAN 12" FROM THE BOILER ROOM CEILING. PROVIDE MOTORIZED DAMPER RUSKIN MODEL CD60 OR APPROVED EQUIVALENT. MOTORIZED DAMPER SHALL BE OPEN WHENEVER BOILER B-1 IS FIRING.
9. 10" DIAMETER BOILER FLUE UP TO ROOF. PROVIDE WEATHERPROOF CAP. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
10. ALL EXPOSED SPIRAL DUCTWORK SHALL BE PAINT GRIP FINISH.
11. PROVIDE NEW 28"x24" DUCT FROM CONDENSER FAN OUTLET UP TO ROOF. TERMINATE WITH GRAVITY VENTILATOR. SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
12. PROVIDE NEW 32" DIA. DUCT FROM CONDENSER FAN OUTLET UP TO ROOF. TERMINATE WITH GRAVITY VENTILATOR. SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
13. PROVIDE NEW 28" DIA. DUCT FROM CONDENSER FAN OUTLET UP TO ROOF. TERMINATE WITH GRAVITY VENTILATOR. SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
14. BAS CONTROL PANEL.
15. VRF CONTROL PANEL.
16. PROVIDE 8" DIA. GAS DRYER EXHAUST DUCT UP THROUGH ROOF. TERMINATE WITH WEATHERPROOF CAP.



2 M110 M110 **BOILER ROOM 129 - ENLARGED PLAN - DUCTWORK**
SCALE: 1/4" = 1'-0"

FIRE RATED WALL

1 HR FIRE PARTITION, TYP. U.N.O.

GRAPHIC SCALE
4 2 0 4 8
SCALE: 1/4" = 1'-0"
UNIT OF MEASURE: FEET

GRAPHIC SCALE
8 4 0 8 16
SCALE: 1/8" = 1'-0"
UNIT OF MEASURE: FEET

mcmillan pazdan smith ARCHITECTURE

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DILLSBORO, NORTH CAROLINA

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PROJECT ARCHITECT:
DRAWN BY: SPR

SHEET TITLE:
LEVEL 1 FLOOR PLAN - MECHANICAL DUCTWORK

PROJ. NO. 019210.00

M110

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