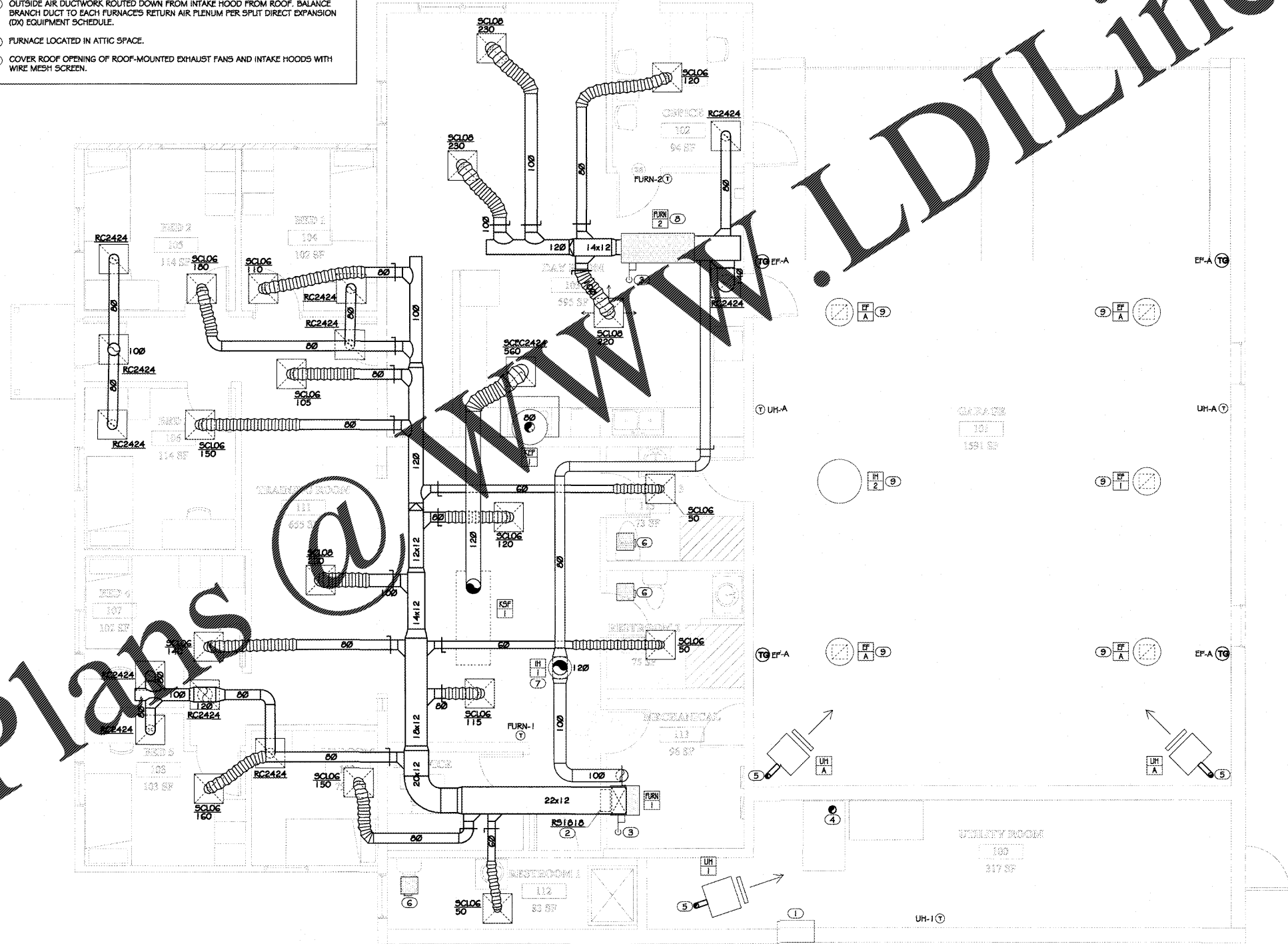


GENERAL NOTES

- A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- C. DEMOLISH AND REMOVE FROM SITE EXISTING SPLIT SYSTEMS AND ALL ASSOCIATED DUCTWORK AND AIR DEVICES (I.E. DIFFUSERS, REGISTERS AND GRILLES).
- D. TRAP AND ROUTE 1" CONDENSATE DRAIN LINE FROM INDOOR FURNACE TO EXTERIOR SPLASH BLOCK ON GRADE OR NEAREST FLOOR DRAIN.
- E. THERMOSTATS LOCATED ON EXTERIOR WALLS SHALL BE MOUNTED ON INSULATED BACKPLATES.
- F. TOXIC GAS SENSORS MONITOR CARBON MONOXIDE AND NITROGEN DIOXIDE IN GARAGE AND ACTIVATE EXHAUST FANS (EF-A) IF CONCENTRATION OF TOXIC GASES EXCEED SETPOINT.
- G. MAINTAIN 10 FT SEPARATION BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS.
- H. DIFFUSERS WITHIN 10 FT OF EXHAUST HOOD SHALL NOT THROW AIRFLOW IN THE DIRECTION OF THE HOOD.
- I. ABOVE CEILING SPACE IS LIMITED. CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO PURCHASE, FABRICATION, OR INSTALLATION OF DUCTWORK.

KEYNOTES

- ① EXISTING SIDEWALL PROPPELLER SUPPLY FAN TO BE REUSED AND INTERLOCKED WITH NEW DRYING CABINET TO PROVIDE 1200 CFM OF MAKE-UP AIR WHEN DRYING CABINET IS OPERATING. CONTRACTOR SHALL CLEAN AND SERVICE FAN UNTIL FAN IS IN GOOD WORKING ORDER. NOTIFY DESIGN TEAM IF EXISTING FAN IS USED FOR EXHAUST AIR.
- ② RETURN AIR GRILLE, MOUNTED LOW IN WALL, FULLY DUCTED BACK TO RETURN AIR CONNECTION OF INDOOR UNIT.
- ③ PROVIDE COMBUSTION VENT AND OUTDOOR AIR INTAKE PIPING FROM FURNACE THAT TERMINATES AT MANUFACTURER PROVIDED CONCENTRIC VENT AND COMBUSTION AIR ROOF TERMINATION KIT. THE MECHANICAL CONTRACTOR SHALL PROVIDE VENT AND INTAKE PIPE MATERIALS AND SIZES PER INSTALLED MANUFACTURERS REQUIREMENTS.
- ④ DRYING CABINET EXHAUST DUCTWORK ROUTED UP TO ROOF CAP WITH INTEGRAL BACKDRAFT DAMPER. CONTRACTOR SHALL COORDINATE WITH DRYING CABINET MANUFACTURER FOR EXACT VENTING REQUIREMENTS.
- ⑤ UNIT HEATER VENTED UP TO ROOF. VENT FLUE SIZES AND MATERIALS PER MANUFACTURERS REQUIREMENTS.
- ⑥ EXISTING EXHAUST FAN, DUCTWORK, AND EXTERIOR TERMINATION TO REMAIN. CONTRACTOR SHALL CLEAN AND SERVICE EXHAUST FAN AND PATCH DUCTWORK AS NECESSARY FOR PROPER FUNCTION.
- ⑦ OUTSIDE AIR DUCTWORK ROUTED DOWN FROM INTAKE HOOD FROM ROOF. BALANCE BRANCH DUCT TO EACH FURNACES RETURN AIR PLENUM PER SPLIT DIRECT EXPANSION (DX) EQUIPMENT SCHEDULE.
- ⑧ FURNACE LOCATED IN ATTIC SPACE.
- ⑨ COVER ROOF OPENING OF ROOF-MOUNTED EXHAUST FANS AND INTAKE HOODS WITH WIRE MESH SCREEN.



1 FLOOR PLAN
M-11/ 1/4" = 1'-0"



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GENERAL CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL GUARANTEE TO THE OWNER ALL WORKMANSHIP AND MATERIALS, WHETHER FURNISHED BY THE CONTRACTOR OR SUB-CONTRACTORS, AGAINST DEFECTS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY OWNER. FAILURE OF ANY SUCH ITEMS SHALL BE MADE GOOD BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- 2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT FROM DAMAGE OR DESTRUCTION ALL EXISTING MATERIALS AND FINISHES TO REMAIN IN ADJACENT OR NEARBY AREAS. THE CONTRACTOR SHALL REPLACE ANY DAMAGED OR DESTROYED ITEMS BY OPERATIONS UNDER THIS CONTRACT.
- 3. PRODUCTS, TRADE NAMES AND/OR MANUFACTURERS NOTED WITHIN THESE DOCUMENTS ARE PROVIDED TO ESTABLISH A STANDARD OF QUALITY. UNLESS OTHERWISE INDICATED, APPROVED EQUAL PRODUCTS OF ANOTHER MANUFACTURER MAY BE USED WITH THE WRITTEN PERMISSION OF THE ARCHITECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUPPLIER TO PROVE TO THE ARCHITECT BEFORE THE DATE OF BID THAT THEIR PRODUCT IS EQUAL TO OR BETTER THAN THOSE PRODUCTS SPECIFIED. IF AN "OR EQUAL" PRODUCT IS USED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ANY NECESSARY CHANGES TO THE STRUCTURE AND INTERIOR LAYOUT AT THE CONTRACTOR'S OWN EXPENSE, AFTER OBTAINING THE ARCHITECT'S ACCEPTANCE OF SUCH CHANGES.
- 4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER A DESIGNATED SITE OR SITES FOR STORAGE OF MATERIALS AND EQUIPMENT FOR THE DURATION OF THE CONSTRUCTION CONTRACT.
- 5. DIMENSIONS SHOWN ON THE DRAWINGS ARE TO ROUGH SURFACES, EXCLUSIVE OF FINISH MATERIALS, EXCEPT AS NOTED OTHERWISE. DO NOT SCALE THE DRAWINGS.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT AND CURRENTLY ENFORCED BUILDING CODES BY ALL GOVERNING JURISDICTIONS, INCLUDING BUT NOT LIMITED TO ALL PROVISIONS OF THE AMERICAN WITH DISABILITIES ACT.

The contractor shall be responsible for all fees and obtaining all necessary and relevant permits and approvals relating to staging and construction of this project. The contractor shall comply with all relevant building, construction and work safety codes. The contractor shall verify all dimensions and elevations in the field before starting work and immediately report to the architect any discrepancies discovered.

PROFICIENT ENGINEERING
No. 054608
REGISTERED PROFESSIONAL ENGINEER
LAWRENCE LYNN DAVIS

DOUGLAS COUNTY FIRE STATION 3

CLIENT: Owner

DRAWING TITLE: FLOOR PLAN

ISSUANCE	DATE	DRAWING NO.
Final Set	08/31/17	M-11

COMMISSION: _____
DRAWN BY: AS

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