

CONTRACTOR SHALL INSPECT THE JOB SITE WHERE THE WORK INCLUDED HEREIN IS TO BE PERFORMED AND SHALL ACQUAINT HIMSELF WITH THE CONDITIONS.

THE DUCTWORK PLAN SHOWN INDICATES THE GENERAL ROUTING ONLY. CONTRACTOR SHALL FIELD VERIFY ALL OBSTRUCTION AND PROVIDE OFFSET RISERS, DROPS OR HORIZONTAL RUNS AS REQUIRED TO COMPLETE THE HVAC INSTALLATION AT NO ADDITIONAL COST TO OWNER.

CONTRACTOR SHALL COORDINATE THE NEW CONSTRUCTION WORK WITH THE OWNER TO MINIMIZE ERRORS AND DISRUPTIONS WHILE WORK IS IN PROGRESS. FURNISH AND INSTALL NEW SHEET METAL DUCTWORK, DIFFUSERS, GRILLES, REGISTERS, ETC., SHOWN ON DRAWINGS AND AS REQUIRED.

CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HIS WORK WITH ALL OTHER WORK.

CONTRACTOR SHALL VERIFY ALL CLEARANCES AND OBSTRUCTIONS AS MAY AFFECT THE EXECUTION AND PERFORMANCE OF HIS WORK AND IF NECESSARY, CONSULT WITH ENGINEER AND ARCHITECT FOR RESOLUTION BEFORE INSTALLING WORK.

ALL MECHANICAL WORK SHALL BE IN STRICT COMPLIANCE WITH THE 2012 INTERNATIONAL MECHANICAL CODE AND PER THE VILLAGE OF GLENVIEW'S LOCAL CODES. ALL WORK IS SUBJECT TO ON-SITE APPROVAL BY THE VILLAGE'S MECHANICAL INSPECTOR.

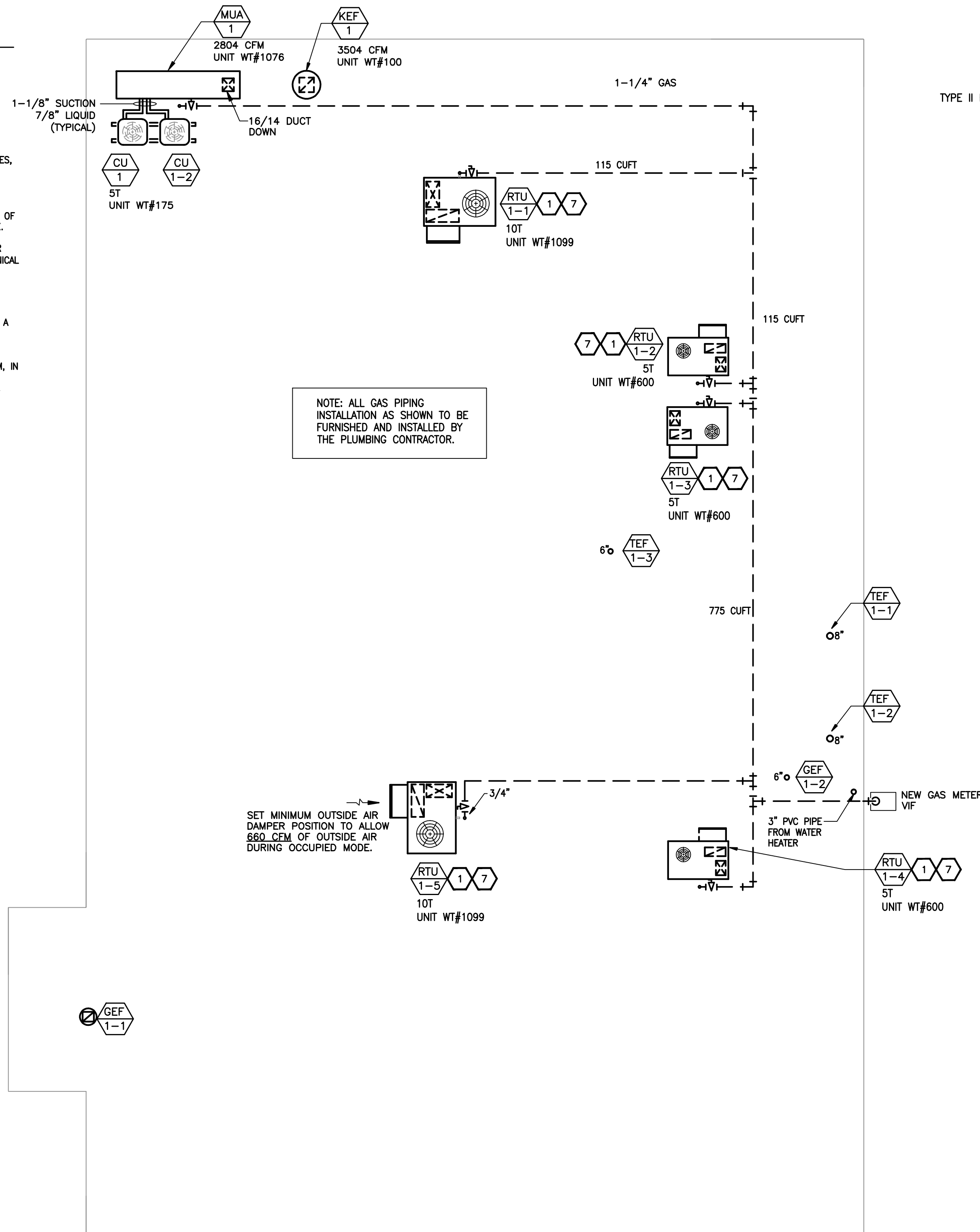
THE MECHANICAL CONTRACTOR SHALL PROVIDE TO VILLAGE OF GLENVIEW AND OWNER A SYSTEM BALANCING REPORT WHICH VERIFIES THE ACTUAL PROVIDED SUPPLY, RETURN, EXHAUST AND VENTILATION AIR.

ALL AIR REMOVED BY MECHANICAL EXHAUST SHALL BE DIRECTED OUTDOORS AT A POINT WHERE IT WILL NOT CREATE A NUISANCE AND SUCH THAT IT CANNOT BE READILY REDRAWN INTO THE BUILDING. ALL VENT MATERIALS UTILIZED FOR MECHANICAL EXHAUST IN AN UNCONDITIONED AIR SHALL MEET THE REQUIREMENTS OF IECC 2015 ENERGY CODES.

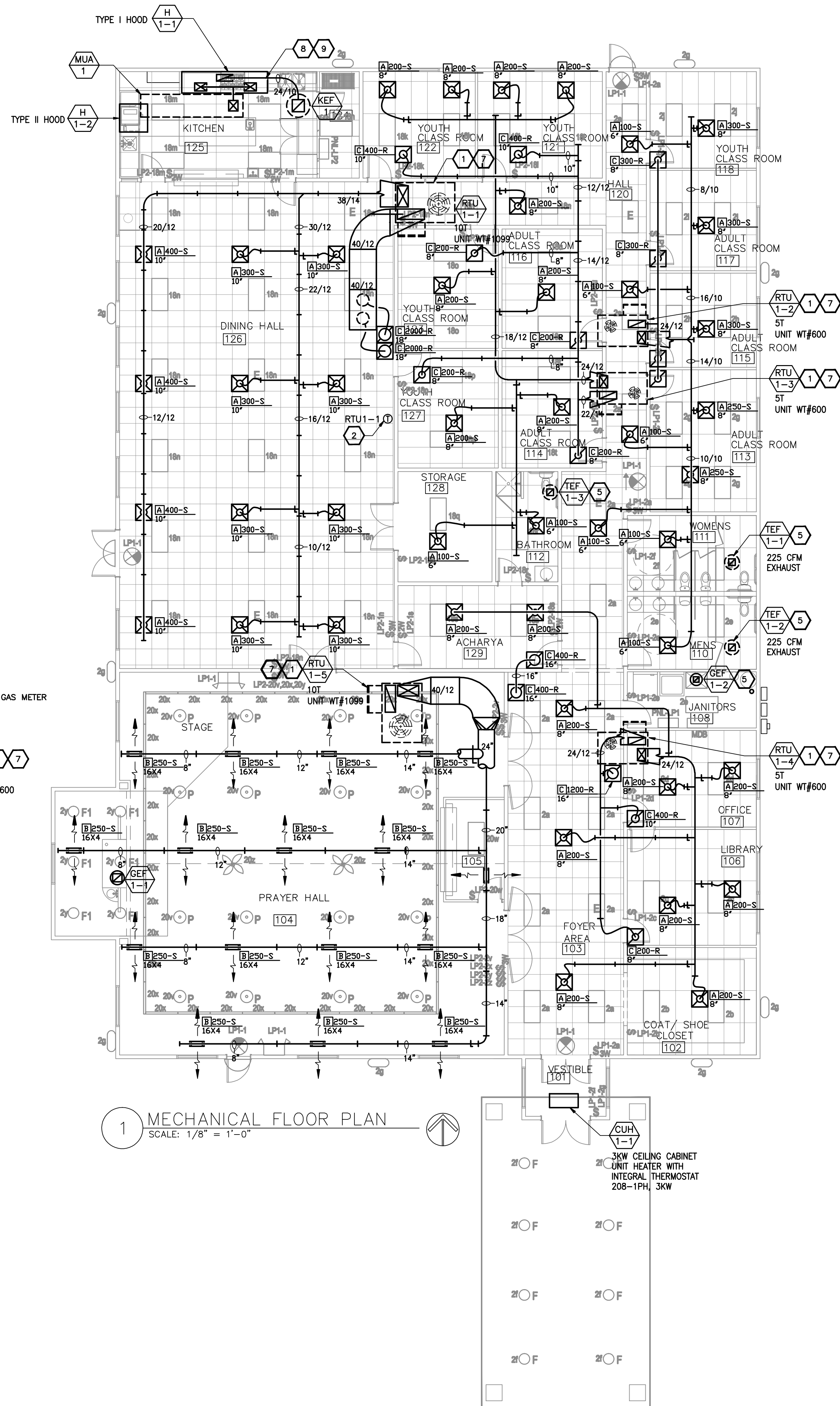
SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR STREAMS WITH A DESIGN CAPACITY GREATER THAN 2000 CFM, IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT. DETECTORS SHALL BE SUPERVISED IN ACCORDANCE WITH THE CODE. UPON ACTIVATION OF A SMOKE DETECTOR, RESPECTIVE MECHANICAL EQUIPMENT MUST SHUT DOWN.

THIS CONTRACTOR SHALL SECURE ALL PERMITS, LICENSES AND INSPECTIONS NECESSARY AND INCIDENTAL FOR HIS INSTALLATION. ANY REQUIRED PERMIT FEES, INSPECTION FEES SHALL BE PAID BY OTHERS.

- 1 PROVIDE AND INSTALL NEW ROOF TOP UNIT AS SHOWN IN SCHEDULE ON SHEET M102. UNIT SHALL BE LOCATED SUCH THAT SUPPLY AND RETURN DUCTWORK DROP BETWEEN JOISTS. RUN CONDENSATE LINE TO NEAREST ROOF DRAIN. VERIFY LOCATION OF DRAIN IN FIELD. VERIFY OUTSIDE AIR INTAKE IS A MINIMUM OF 10' FROM ANY EXHAUST OR FLUE.
- 2 PROVIDE AND INSTALL ONE PIECE PROGRAMMABLE THERMOSTAT (ADD ON REMOTE SENSOR CAPABILITY TYPE) WITH LOCKABLE PLASTIC COVER. MOUNT AT 54" A.F.F. PER ADA. COORDINATE LOCATIONS WITH OTHER ELEMENTS OF WALL/COLUMN WITH OWNER IN FIELD. ALL COVERS SHALL HAVE THE SAME KEY.
- 3 DIRECT VENT CLOSED COMBUSTION FLUE AND COMBUSTION P/VV LINES FROM WATER HEATER UP THROUGH ROOF. TERMINATE PER MANUFACTURER'S RECOMMENDATIONS. FLUE OUTLET SHALL BE A MINIMUM OF 10 FEET FROM ANY AIR INTAKE VERIFY LOCATION IN FIELD.
- 4 EXTEND 8/8 EXHAUST DUCT DOWN FROM GENERAL EXHAUST FAN ON ROOF AND CONNECT TO EXHAUST GRATES IN TOILET ROOMS. BALANCE AS INDICATED. PROVIDE BACK DRAFT DAMPER AT FAN. SEE FAN INFORMATION ON SHEET M102. VERIFY FAN IS 10' MIN. FROM ANY AIR INTAKE.
- 5 PROVIDE AND INSTALL NEW CEILING MOUNTED EXHAUST FAN PER MANUFACTURER'S RECOMMENDATION. SEE FAN SCHEDULE ON SHEET M102. EXTEND EXHAUST DUCT UP THRU ROOF. TERMINATE 2' MIN. ABOVE ROOF W/ ROOF CAP. VERIFY EXHAUST OUTLET 10' MIN. FROM ANY AIR INTAKE.
- 6 EXTEND DRYER VENT (SIZE PER MANUFACTURER'S RECOMMENDATION) UP THRU ROOF. TERMINATE 2 FEET MIN. ABOVE ROOF W/ ROOF CAP AND BIRDSCREEN, KEEP OUTLET 10' MIN. FROM ANY AIR INTAKE.
- 7 SUPPLY AND RETURN DUCTS WITHIN 10"-0" UNIT ON ROOF SHALL BE INTERNALLY LINED WITH 3/4" ACOUSTIC DUCT LINER. DUCT SIZES SHOWN ARE REQUIRED CLEARED AREA. INCREASE DUCT SIZES AS REQUIRED.
- 8 HOOD EXHAUST DUCT SHALL BE MIN. 16 GA STEEL OR STAINLESS STEEL WITH ALL EXTERNAL JOINTS AND SEAMS WELDED TIGHT. PROVIDE CLEANOUTS AS REQUIRED PER CODE TO FACILITATE PROPER CLEANING. DUCTWORK SHALL BE INSTALLED SO GREASE CANNOT COLLECT IN ANY PORTION.
- 9 INSULATE HOOD EXHAUST DUCT WORK WITH MINIMUM 2 HR RATED "TYWRAP" INSULATION.



SCALE: 1/8" = 1'-0"



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GENERAL NOTES

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- ALTHOUGH DRAWINGS ARE DRAWN TO SCALE, THE ACCURACY OF THE DRAWING CANNOT BE GUARANTEED TO DISCREPANCIES IN THE SURVEYING REPRODUCTION. DIMENSIONS SHOULD BE DERIVED FROM DIMENSIONED PLANS.
- ALL DIMENSIONS, ROUGH OPENING SIZES, AND ELEVATION MARKERS MUST BE FIELD VERIFIED BY THE GENERAL CONTRACTOR. MAJOR ARCHITECTURAL SERVICES SHALL NOT BE HELD RESPONSIBLE FOR ANY DIMENSIONAL DISCREPANCIES WHICH HAVE NOT BEEN BROUGHT TO THEIR ATTENTION PRIOR TO CONSTRUCTION.

* Planners
* Consultants
* Construction Mgmt.
* Rule 5 and MS4 Filing

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