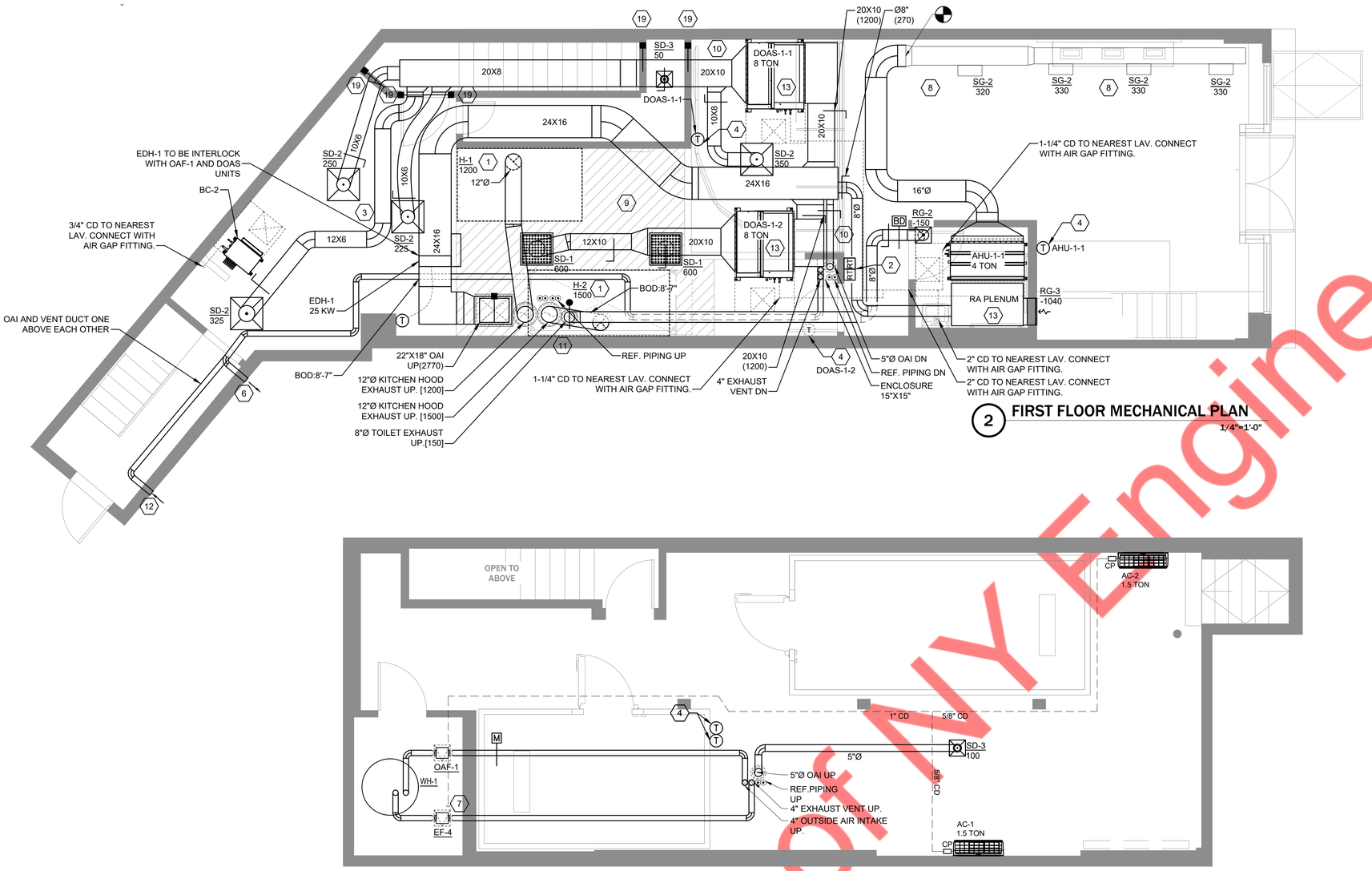


2 FIRST FLOOR MECHANICAL PLAN

1/4"=1'-0"

1 CELLAR MECHANICAL PLAN

1/4"=1'-0"

CODED NOTES:

1. INSTALL GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. TRANSITION FROM HOOD COLLAR TO DUCT SIZE SHOWN. TWO METHODS LISTED BELOW ARE ALLOWED FOR GREASE DUCTWORK ASSEMBLIES. PLEASE NOTE THAT BOTH OPTIONS REQUIRE CLEANOUT ACCESS DOORS AT EVERY CHANGE IN DUCT DIRECTION WITH 3 FOOT CLEARANCE IN FRONT OF ACCESS DOORS.
   - 1.1. PREFERRED METHOD: FACTORY MANUFACTURED UL2221 LISTED INSULATED GREASE EXHAUST DUCT SYSTEM WITH MANUFACTURER CLEANOUT ACCESS DOORS. REFER TO SHEET M2.0 DETAIL 01/MECHANICAL EXHAUST DUCT DETAIL. COORDINATE WITH THE GREASE DUCT MANUFACTURER IF FIRE WRAP IS REQUIRED.
   - 1.2. PROVIDE 16 GAGE CARBON STEEL GREASE EXHAUST DUCTWORK WELDED LIQUID TIGHT UP TO EXHAUST FAN. WRAP GREASE DUCT WITH COMPOSITE GREASE DUCT ENCLOSURE ASSEMBLY PER SHEET M2.0 DETAIL 01-MECHANICAL EXHAUST DUCT DETAIL. INSTALL EXHAUST DUCT WRAP PER MANUFACTURER'S INSTRUCTIONS. PROVIDE "FASTDOOR XL" GREASE DUCT CLEANOUT ACCESS DOORS (C.O.D) MANUFACTURED BY THERMAL CERAMICS (OR EQUIVALENT) AT EVERY CHANGE OF DIRECTION IN THE DUCT. PROVIDE MINIMUM 3 FEET CLEARANCE IN FRONT OF ACCESS DOORS. INSULATE ACCESS DOORS TO MAINTAIN RATINGS OF GREASE DUCT ENCLOSURE PER FIRE PROTECTION INSULATION MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE COMBINATION AUDIO/VISUAL ALARM AND REMOTE TEST STATION (SYSTEM SENSOR RTS2). MOUNT 54" ABOVE FINISHED FLOOR AND PROVIDE LABEL NAMEPLATE WITH 1/2 HEIGHT LETTERING (BLACK ON WHITE) FOR WHICH UNIT IT MONITORS. INSTALLATION SHALL MEET ALL CRITERIA AS PRESCRIBED IN NFPA 90A AND NFPA 72.
3. COORDINATE WITH ARCHITECT FOR DROP CEILING AS REQUIRED BELOW BEAM.
4. INSTALL THERMOSTATS AND REMOTE SENSORS. THERMOSTATS AND REMOTE SENSORS ARE FURNISHED WITH FAN LIGHTING CONTROL PANEL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR WIRING AND INSTALLING REMOTE SENSORS WHERE INDICATED ON DRAWINGS. MOUNT SENSOR 60" AFF.
5. INSTALL EXHAUST FAN ON EXISTING DUNNAGE. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED. MAINTAIN MINIMUM 10 FT. DISTANCE BETWEEN EXHAUST AIR TERMINATION AND OUTSIDE AIR INTAKE SOURCE.
6. 4" EXHAUST VENT TO THE SIDE WALL FROM WH-1 WITH WALL CAP.
7. CONNECT 1" CD TO SINK WITH AIR GAP FITTING.
8. EXISTING DUCTWORK AND AIR TERMINAL AND ACCESSORIES TO REMAIN AND REUSE. CONTRACTOR TO BALANCE CFM AS SHOWN ON PLAN.
9. DEMOLISH EXISTING DUCTWORK AND ACCESSORIES IN KITCHEN AREA.
10. DEMOLISH EXISTING DUCTWORK AND ACCESSORIES.
11. REMOVE EXISTING DUCTWORK IN THE SHAFT AND ROOF AREA.
12. 4" OUTSIDE AIR INTAKE TO THE SIDE WALL FROM WH-1 WITH WALL CAP.
13. PROVIDE SECONDARY DRIP PAN UNDER AC UNIT WITH WATER LEAKAGE SENSOR AND ALARM TO SHUT THE UNIT.
14. MODIFY EXISTING DUCTWORK AS PER NEWLY ADDED INDOOR UNIT.
15. REMOVE EXISTING HVAC UNITS ON THE ROOF.
16. INSTALL OUTSIDE AIR INTAKE FAN ON EXISTING DUNNAGE. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED.
17. INSTALL CONDENSING UNIT ON ROOF ALONG WITH REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNIT. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED.
18. INSTALL REFRIGERANT PIPING FROM INDOOR UNITS TO OUTDOOR UNITS AS PER MANUFACTURER RECOMMENDATION. PROVIDE WHETHER PROOF COATING FOR EXPOSED PIPING. PROVIDE PIPING INSULATION AS PER TABLE C403.11.3 2020 NYCECC.
19. PROVIDE FSD IF WALLS ARE FIRE RATED.
20. INSTALL ACCU-1 ON EXISTING STEEL DUNNAGE. COORDINATE WITH STRUCTURAL ENGINEER FOR EXISTING DUNNAGE'S WEIGHT BEARING CAPACITY. PROVIDE REINFORCEMENT IF REQUIRED.
21. EXISTING EXHAUST BLOWER ON THE ROOF TO REMAIN AND TO BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. CONTRACTOR TO CHECK EXISTING BLOWER'S EXHAUST AIR CAPACITY AND ADJUST TO 1500 CFM.

GENERAL NOTES

1. PROVIDE WARRANTY TO INCLUDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT, WHICHEVER IS LATER.
2. COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES, INCLUDING NFPA-90A, NFPA-96 AND NFPA-101.
3. DUCTWORK SHALL BE MANUFACTURED AND INSTALLED PER SMACNA 1" PRESSURE CLASS GUIDELINES AND DETAILS. DUCTWORK SIZES SHOWN INDICATE INSIDE CLEAR DIMENSIONS. CONCEALED DUCTWORK SHALL BE INSULATED WITH 2" THICK DUCT WRAP (R-8 MIN). INSULATE CEILING MOUNTED DIFFUSER BACKS. VAPOR BARRIER SHALL BE MAINTAINED CONTINUOUS AND SEAMS SHALL BE SEALED. DUCTWORK SHALL BE INSTALLED ABOVE SUSPENDED CEILING WHERE PROVIDED. EXPOSED DUCTWORK SHALL BE G90 GALVANIZED STEEL. CLEAN OFF MARKS, APPLIED STICKERS AND RESIDUAL OIL. VINEGAR WASH BEFORE PAINTING OF DUCT.
4. CONNECT ALL DUCTS TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT USING MECHANICAL FASTENERS WITH SEALS, MASTIC OR GASKETS.
5. SUPPLY AND RETURN AIR DUCT DROPS FROM HVAC EQUIPMENT SHALL BE ISOLATED FROM UNIT VIBRATION WITH FLEXIBLE DUCT CONNECTORS.
6. INSULATED FLEXIBLE DUCT MAY BE USED IN MAXIMUM LENGTHS AS SPECIFIED FROM RIGID METAL DUCT TO DIFFUSER CONNECTION. FLEXIBLE DUCT SHALL BE CLASS 1 FLEXIBLE AIR DUCT WITH INSULATION AND VAPOR BARRIER, AND SHALL MEET UL 181.
7. WHERE PLENUM DIFFUSERS ARE CHOSEN WITH INTEGRAL BALANCING DAMPERS SPIN-IN CONNECTIONS MAY EXCLUDE DAMPERS.
8. CONTRACTOR SHALL RECEIVE AND INSTALL ROOF MOUNTED CONDENSING UNITS. PROVIDE MOUNTING RAILS. REFER TO STRUCTURAL PLANS FOR LOCATIONS OF ROOF MOUNTED EQUIPMENT, CURB, AND RAIL DETAILS. EQUIPMENT SHALL BE MECHANICALLY FASTENED TO RAILS. RAILS SHALL BE FASTENED TO STRUCTURE. STRUCTURE, CONNECTIONS, AND SUPPORTS SHALL MEET STRUCTURAL WIND LOAD REQUIRMENTS. CONSULT STRUCTURAL ENGINEER AS NEEDED TO DETERMINE REQUIREMENTS.
9. CURBS SHALL BE ONE PIECE WELDED AND INSULATED 18 GAUGE STEEL, WITH RIGID INSULATION GLUED TO INSIDE OF CURB. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION.
10. RETURN DUCTWORK FROM HVAC EQUIPMENT SHALL BE LINED WITH 1" DUCT LINER.

GENERAL NOTES

11. PROVIDE STENCIL LABELS ON HVAC EQUIPMENT AND EXHAUST FANS. LABELS SHALL HAVE 2" HIGH LETTERS ON UNIT SIDE ACCESS PANEL. ALL EXPOSED GAS PIPING AND FITTINGS SHALL BE PAINTED WITH SAFETY YELLOW PAINT DESIGNED FOR BLACK IRON.
12. ENSURE GAS LINES AND CONDENSATE DRAIN LINES DO NOT IMPEDE HVAC EQUIPMENT DOORS/PANELS. FOLLOW MANUFACTURER GUIDELINES FOR REQUIRED CLEARANCES.
13. REFER TO "H" AND "W" SHEETS FOR SPECIFIC HOOD AND FAN INFORMATION AND FIELD WIRING DIAGRAMS. CONTRACTOR SHALL PROVIDE LOW VOLTAGE WIRING FROM FAN CONTROL PANEL TO HVAC EQUIPMENT, REMOTE SENSORS AND SMOKE DETECTORS. CONTRACTOR SHALL PROGRAM THERMOSTAT FOLLOWING WENDY'S STANDARDS. REFER TO PROGRAMMING INSTRUCTIONS PROVIDED WITH MODULAR PANEL SYSTEM.
14. CONTRACTOR SHALL TEST, CHECK, AND BALANCE HVAC EQUIPMENT , EXHAUST HOODS, AND EXHAUST FANS. SET EXHAUST FANS AND DIFFUSERS TO SPECIFIED CFMS. CONTRACTOR SHALL COMPLETE WENDY'S REQUIRED TEST FORMS FOR HVAC EQUIPMENT, HOODS, AND FAN CONTROL SYSTEM.
15. CONTRACTOR SHALL COMPLETE ROOFTOP UNIT START UP HVAC EQUIPMENT FORMS AND RETURN TO MANUFACTURER TO SCHEDULE EQUIPMENT OPERATION CHECK (EOC). CONSULT CONTACT OR ALLOW 5 BUSINESS DAYS TO SCHEDULE EOC. CONTRACTOR IS RESPONSIBLE FOR CORRECTING DEFICIENCIES NOTED IN THE EOC PRIOR TO START OF TESTING AND BALANCING.
16. CONTRACTOR SHALL VERIFY THAT BUILDING IS WEATHER TIGHT, HVAC EQUIPMENT POWERED AND CALIBRATED, THERMOSTATS PROGRAMMED, FANS OPERATIONAL, EOC COMPLETE, DIFFUSERS AND CEILING TILE INSTALLED, EXHAUST FAN SPEEDS CALIBRATED, AND NEW FILTERS INSTALLED IN HVAC EQUIPMENT PRIOR TO TESTING AND BALANCING. CONTRACTOR SHALL CORRECT OPERATIONAL OR PERFORMANCE DEFICIENCIES FOUND DURING TESTING AND BALANCING.
17. KITCHEN EQUIPMENT DISTRIBUTORS SHALL INSTALL REFRIGERANT PIPING FOR ROOF MOUNTED CONDENSING UNITS TO FOOD SERVICE EQUIPMENT INCLUDING THERMOSTATIC EXPANSION VALVES, SOLENOID VALVE, TEMPERATURE CONTROL WIRING, SIGHT GLASS, FILTER DRIERS, PRESSURE CONTROLS, CRANKCASE HEATERS, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSINGS. TRAP AND SLOPE CONDENSATE LINES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HEAT TRACING ON CONDENSATE LINES INSIDE FREEZER. CONTRACTOR SHALL PROVIDE PIPE CURB ASSEMBLY FOR ROOF PENETRATIONS. REFER TO ARCHITECTURAL ROOF PLAN FOR ADDITIONAL INFORMATION AND DETAILS FOR PIPE CURB ASSEMBLY AND RAIL INSTALLATION.

GENERAL NOTES

18. COMPLETE SMOKE CAPTURE TEST(S), AS REQUIRED, IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE IMC 507, ASHRAE 154 VENTILATION FOR COMMERCIAL COOKING OPERATIONS, AND HOOD MANUFACTURER STANDARDS. KITCHEN EQUIPMENT SHALL BE AT OPERATING TEMPERATURES WITH HVAC EQUIPMENT OPERATIONAL. TEST USING SMOKE CANDLES OR SMOKE PUFFERS. SMOKE BOMBS SHALL NOT BE USED.
19. FOR ALL EQUIPMENT WITH SYMBOL TAGS ON PLANS, REFER TO ASSOCIATED EQUIPMENT SCHEDULES FOR REQUIREMENTS. TAGGED EQUIPMENT IS RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE UNLESS OTHERWISE NOTED.
20. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MANUAL BALANCE DAMPERS IN DUCT BRANCHES IN ACCESSIBLE LOCATION ABOVE CEILING.

HVAC BIDDING AND EQUIPMENT NOTES

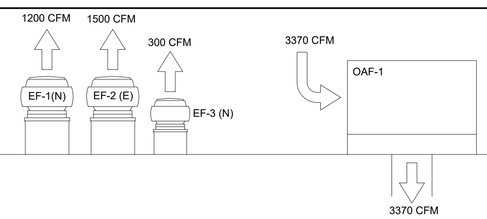
FOR QUOTATION ON THE FOLLOWING EQUIPMENT, REFER TO APPROVED VENDOR LIST ON SHEET G2.1:

EQUIPMENT PACKAGE:
OAU-1 AND RTU-1 WITH ACCESSORIES AND CURBS :
GENERAL CONTRACTOR TO CONTACT APPROVED VENDOR ON SHEET G2.1 FOR PRICING INFORMATION. IF DESIGN CONDITIONS DIFFER FROM THOSE LISTED, CONTACT SUPPLIER FOR APPROPRIATE EQUIPMENT.

HOODS, FANS AND FAN CURBS PACKAGE:
GENERAL CONTRACTOR TO CONTACT APPROVED VENDOR ON SHEET G2.1 FOR PRICING INFORMATION. ALL CURBS ARE TO BE INSULATED AND TO COMPLY WITH NFPA 96 REQUIREMENTS FOR HEIGHT. CURBS PROVIDED FOR EF-1 AND EF-2 MUST BE HINGED.

AIR DISTRIBUTION PACKAGE:
PACKAGE TO INCLUDE SCHEDULED AIR DEVICES AND ACCESSORIES. EQUIPMENT AND MATERIAL PACKAGES ARE IN STOCK AND SHOULD BE ORDERED IMMEDIATELY UPON RECEIPT OF HVAC CONTRACT TO AVOID CONSTRUCTION DELAY. CONTACT HJC CONSOLIDATOR FOR DIFFUSER PACKAGE.

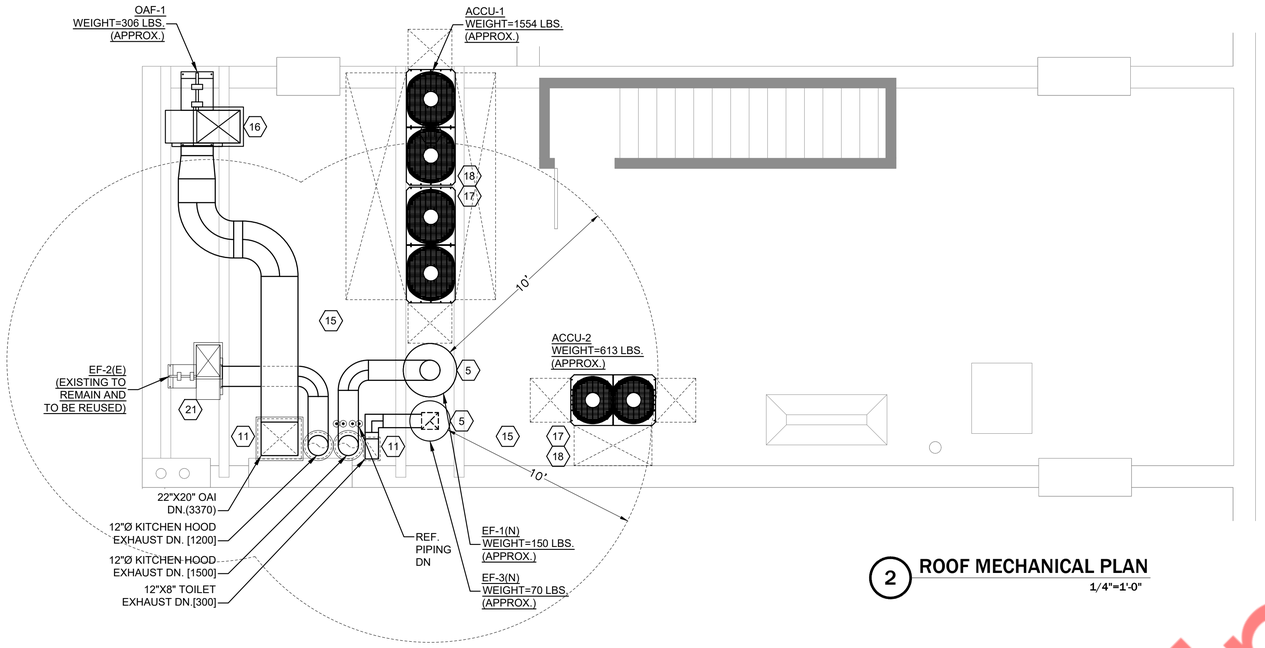
AIR FLOW SCHEMATIC



AIR BALANCE SCHEDULE

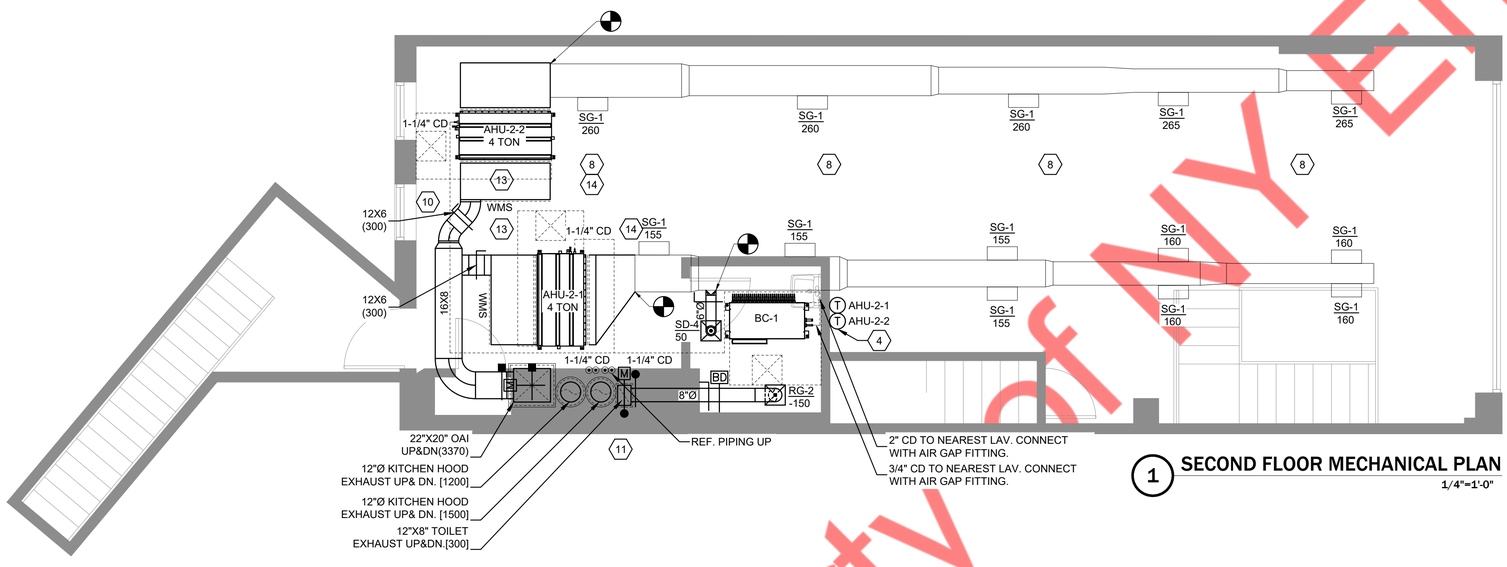
MARK	SUPPLY AIR	RETURN AIR	EXHAUST AIR	OUTSIDE AIR	RESULTING PRESSURE
EF-1(N)			1200 CFM		-1200 CFM
EF-2(E)			1500 CFM		-1500 CFM
EF-3(N)			300 CFM		-300 CFM
OAF-1	3370 CFM*			3370 CFM*	+3370 CFM
					+370 CFM*

AIR BALANCE REPORT REQUIRED. SEE SPECIFICATIONS.
* SUPPLY AIR SHALL BE RESET FROM 2700 CFM TO 3370 DEPENDING ON SPACE TEMPERATURE.



2 ROOF MECHANICAL PLAN

1/4"=1'-0"



1 SECOND FLOOR MECHANICAL PLAN

1/4"=1'-0"

CODED NOTES:

1. INSTALL GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. TRANSITION FROM HOOD COLLAR TO DUCT SIZE SHOWN. TWO METHODS LISTED BELOW ARE ALLOWED FOR GREASE DUCTWORK ASSEMBLIES. PLEASE NOTE THAT BOTH OPTIONS REQUIRE CLEANOUT ACCESS DOORS AT EVERY CHANGE IN DUCT DIRECTION WITH 3 FOOT CLEARANCE IN FRONT OF ACCESS DOORS.
   - 1.1. PREFERRED METHOD: FACTORY MANUFACTURED UL2221 LISTED INSULATED GREASE EXHAUST DUCT SYSTEM WITH MANUFACTURER CLEANOUT ACCESS DOORS. REFER TO SHEET M2.0 DETAIL 01/MECHANICAL EXHAUST DUCT DETAIL. COORDINATE WITH THE GREASE DUCT MANUFACTURER IF FIRE WRAP IS REQUIRED.
   - 1.2. PROVIDE 16 GAGE CARBON STEEL GREASE EXHAUST DUCTWORK WELDED LIQUID TIGHT UP TO EXHAUST FAN. WRAP GREASE DUCT WITH COMPOSITE GREASE DUCT ENCLOSURE ASSEMBLY PER SHEET M2.0 DETAIL 01-MECHANICAL EXHAUST DUCT DETAIL. INSTALL EXHAUST DUCT WRAP PER MANUFACTURER'S INSTRUCTIONS. PROVIDE "FASTDOOR XL" GREASE DUCT CLEANOUT ACCESS DOORS (C.O.D) MANUFACTURED BY THERMAL CERAMICS (OR EQUIVALENT) AT EVERY CHANGE OF DIRECTION IN THE DUCT. PROVIDE MINIMUM 3 FEET CLEARANCE IN FRONT OF ACCESS DOORS. INSULATE ACCESS DOORS TO MAINTAIN RATINGS OF GREASE DUCT ENCLOSURE PER FIRE PROTECTION INSULATION MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE COMBINATION AUDIO/VISUAL ALARM AND REMOTE TEST STATION (SYSTEM SENSOR RTS2). MOUNT 54" ABOVE FINISHED FLOOR AND PROVIDE LABEL NAMEPLATE WITH 1/2 HEIGHT LETTERING (BLACK ON WHITE) FOR WHICH UNIT IT MONITORS. INSTALLATION SHALL MEET ALL CRITERIA AS PRESCRIBED IN NFPA 90A AND NFPA 72.
3. COORDINATE WITH ARCHITECT FOR DROP CEILING AS REQUIRED BELOW BEAM.
4. INSTALL THERMOSTATS AND REMOTE SENSORS. THERMOSTATS AND REMOTE SENSORS ARE FURNISHED WITH FAN LIGHTING CONTROL PANEL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR WIRING AND INSTALLING REMOTE SENSORS WHERE INDICATED ON DRAWINGS. MOUNT SENSOR 60" AFF.
5. INSTALL EXHAUST FAN ON EXISTING DUNNAGE. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED. MAINTAIN MINIMUM 10 FT. DISTANCE BETWEEN EXHAUST AIR TERMINATION AND OUTSIDE AIR INTAKE SOURCE.
6. 4" EXHAUST VENT TO THE SIDE WALL FROM WH-1 WITH WALL CAP.
7. CONNECT 1" CD TO SINK WITH AIR GAP FITTING.
8. EXISTING DUCTWORK AND AIR TERMINAL AND ACCESSORIES TO REMAIN AND REUSE. CONTRACTOR TO BALANCE CFM AS SHOWN ON PLAN.
9. DEMOLISH EXISTING DUCTWORK AND ACCESSORIES IN KITCHEN AREA.
10. DEMOLISH EXISTING DUCTWORK AND ACCESSORIES.
11. REMOVE EXISTING DUCTWORK IN THE SHAFT AND ROOF AREA.
12. 4" OUTSIDE AIR INTAKE TO THE SIDE WALL FROM WH-1 WITH WALL CAP.
13. PROVIDE SECONDARY DRIP PAN UNDER AC UNIT WITH WATER LEAKAGE SENSOR AND ALARM TO SHUT THE UNIT.
14. MODIFY EXISTING DUCTWORK AS PER NEWLY ADDED INDOOR UNIT.
15. REMOVE EXISTING HVAC UNITS ON THE ROOF.
16. INSTALL OUTSIDE AIR INTAKE FAN ON EXISTING DUNNAGE. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED.
17. INSTALL CONDENSING UNIT ON ROOF ALONG WITH REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNIT. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION. PROVIDE NECESSARY SUPPORTS IF REQUIRED.
18. INSTALL REFRIGERANT PIPING FROM INDOOR UNITS TO OUTDOOR UNITS AS PER MANUFACTURER RECOMMENDATION. PROVIDE WHETHER PROOF COATING FOR EXPOSED PIPING. PROVIDE PIPING INSULATION AS PER TABLE C403.11.3 2020 NYCECC.
19. PROVIDE FSD IF WALLS ARE FIRE RATED.
20. INSTALL ACCU-1 ON EXISTING STEEL DUNNAGE. COORDINATE WITH STRUCTURAL ENGINEER FOR EXISTING DUNNAGE'S WEIGHT BEARING CAPACITY. PROVIDE REINFORCEMENT IF REQUIRED.
21. EXISTING EXHAUST BLOWER ON THE ROOF TO REMAIN AND TO BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. CONTRACTOR TO CHECK EXISTING BLOWER'S EXHAUST AIR CAPACITY AND ADJUST TO 1500 CFM.

GENERAL NOTES

1. PROVIDE WARRANTY TO INCLUDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT, WHICHEVER IS LATER.
2. COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES, INCLUDING NFPA-90A, NFPA-96 AND NFPA-101.
3. DUCTWORK SHALL BE MANUFACTURED AND INSTALLED PER SMACNA 1" PRESSURE CLASS GUIDELINES AND DETAILS. DUCTWORK SIZES SHOWN INDICATE INSIDE CLEAR DIMENSIONS. CONCEALED DUCTWORK SHALL BE INSULATED WITH 2" THICK DUCT WRAP (R-8 MIN). INSULATE CEILING MOUNTED DIFFUSER BACKS. VAPOR BARRIER SHALL BE MAINTAINED CONTINUOUS AND SEAMS SHALL BE SEALED. DUCTWORK SHALL BE INSTALLED ABOVE SUSPENDED CEILING WHERE PROVIDED. EXPOSED DUCTWORK SHALL BE G90 GALVANIZED STEEL. CLEAN OFF MARKS, APPLIED STICKERS AND RESIDUAL OIL. VINEGAR WASH BEFORE PAINTING OF DUCT.
4. CONNECT ALL DUCTS TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT USING MECHANICAL FASTENERS WITH SEALS, MASTIC OR GASKETS.
5. SUPPLY AND RETURN AIR DUCT DROPS FROM HVAC EQUIPMENT SHALL BE ISOLATED FROM UNIT VIBRATION WITH FLEXIBLE DUCT CONNECTORS.
6. INSULATED FLEXIBLE DUCT MAY BE USED IN MAXIMUM LENGTHS AS SPECIFIED FROM RIGID METAL DUCT TO DIFFUSER CONNECTION. FLEXIBLE DUCT SHALL BE CLASS 1 FLEXIBLE AIR DUCT WITH INSULATION AND VAPOR BARRIER, AND SHALL MEET UL 181.
7. WHERE PLENUM DIFFUSERS ARE CHOSEN WITH INTEGRAL BALANCING DAMPERS SPIN-IN CONNECTIONS MAY EXCLUDE DAMPERS.
8. CONTRACTOR SHALL RECEIVE AND INSTALL ROOF MOUNTED CONDENSING UNITS. PROVIDE MOUNTING RAILS. REFER TO STRUCTURAL PLANS FOR LOCATIONS OF ROOF MOUNTED EQUIPMENT, CURB, AND RAIL DETAILS. EQUIPMENT SHALL BE MECHANICALLY FASTENED TO RAILS. RAILS SHALL BE FASTENED TO STRUCTURE. STRUCTURE, CONNECTIONS, AND SUPPORTS SHALL MEET STRUCTURAL WIND LOAD REQUIRMENTS. CONSULT STRUCTURAL ENGINEER AS NEEDED TO DETERMINE REQUIREMENTS.
9. CURBS SHALL BE ONE PIECE WELDED AND INSULATED 18 GAUGE STEEL, WITH RIGID INSULATION GLUED TO INSIDE OF CURB. REFER TO DETAIL 08-M-501.00 FOR ADDITIONAL INFORMATION.
10. RETURN DUCTWORK FROM HVAC EQUIPMENT SHALL BE LINED WITH 1" DUCT LINER.

GENERAL NOTES

11. PROVIDE STENCIL LABELS ON HVAC EQUIPMENT AND EXHAUST FANS. LABELS SHALL HAVE 2" HIGH LETTERS ON UNIT SIDE ACCESS PANEL. ALL EXPOSED GAS PIPING AND FITTINGS SHALL BE PAINTED WITH SAFETY YELLOW PAINT DESIGNED FOR BLACK IRON.
12. ENSURE GAS LINES AND CONDENSATE DRAIN LINES DO NOT IMPEDE HVAC EQUIPMENT DOORS/PANELS. FOLLOW MANUFACTURER GUIDELINES FOR REQUIRED CLEARANCES.
13. REFER TO "H" AND "W" SHEETS FOR SPECIFIC HOOD AND FAN INFORMATION AND FIELD WIRING DIAGRAMS. CONTRACTOR SHALL PROVIDE LOW VOLTAGE WIRING FROM FAN CONTROL PANEL TO HVAC EQUIPMENT, REMOTE SENSORS AND SMOKE DETECTORS. CONTRACTOR SHALL PROGRAM THERMOSTAT FOLLOWING WENDY'S STANDARDS. REFER TO PROGRAMMING INSTRUCTIONS PROVIDED WITH MODULAR PANEL SYSTEM.
14. CONTRACTOR SHALL TEST, CHECK, AND BALANCE HVAC EQUIPMENT , EXHAUST HOODS, AND EXHAUST FANS. SET EXHAUST FANS AND DIFFUSERS TO SPECIFIED CFMS. CONTRACTOR SHALL COMPLETE WENDY'S REQUIRED TEST FORMS FOR HVAC EQUIPMENT, HOODS, AND FAN CONTROL SYSTEM.
15. CONTRACTOR SHALL COMPLETE ROOFTOP UNIT START UP HVAC EQUIPMENT FORMS AND RETURN TO MANUFACTURER TO SCHEDULE EQUIPMENT OPERATION CHECK (EOC). CONSULT CONTACT OR ALLOW 5 BUSINESS DAYS TO SCHEDULE EOC. CONTRACTOR IS RESPONSIBLE FOR CORRECTING DEFICIENCIES NOTED IN THE EOC PRIOR TO START OF TESTING AND BALANCING.
16. CONTRACTOR SHALL VERIFY THAT BUILDING IS WEATHER TIGHT, HVAC EQUIPMENT POWERED AND CALIBRATED, THERMOSTATS PROGRAMMED, FANS OPERATIONAL, EOC COMPLETE, DIFFUSERS AND CEILING TILE INSTALLED, EXHAUST FAN SPEEDS CALIBRATED, AND NEW FILTERS INSTALLED IN HVAC EQUIPMENT PRIOR TO TESTING AND BALANCING. CONTRACTOR SHALL CORRECT OPERATIONAL OR PERFORMANCE DEFICIENCIES FOUND DURING TESTING AND BALANCING.
17. KITCHEN EQUIPMENT DISTRIBUTORS SHALL INSTALL REFRIGERANT PIPING FOR ROOF MOUNTED CONDENSING UNITS TO FOOD SERVICE EQUIPMENT INCLUDING THERMOSTATIC EXPANSION VALVES, SOLENOID VALVE, TEMPERATURE CONTROL WIRING, SIGHT GLASS, FILTER DRIERS, PRESSURE CONTROLS, CRANKCASE HEATERS, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSINGS. TRAP AND SLOPE CONDENSATE LINES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HEAT TRACING ON CONDENSATE LINES INSIDE FREEZER. CONTRACTOR SHALL PROVIDE PIPE CURB ASSEMBLY FOR ROOF PENETRATIONS. REFER TO ARCHITECTURAL ROOF PLAN FOR ADDITIONAL INFORMATION AND DETAILS FOR PIPE CURB ASSEMBLY AND RAIL INSTALLATION.

GENERAL NOTES

18. COMPLETE SMOKE CAPTURE TEST(S), AS REQUIRED, IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE IMC 507, ASHRAE 154 VENTILATION FOR COMMERCIAL COOKING OPERATIONS, AND HOOD MANUFACTURER STANDARDS. KITCHEN EQUIPMENT SHALL BE AT OPERATING TEMPERATURES WITH HVAC EQUIPMENT OPERATIONAL. TEST USING SMOKE CANDLES OR SMOKE PUFFERS. SMOKE BOMBS SHALL NOT BE USED.
19. FOR ALL EQUIPMENT WITH SYMBOL TAGS ON PLANS, REFER TO ASSOCIATED EQUIPMENT SCHEDULES FOR REQUIREMENTS. TAGGED EQUIPMENT IS RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE UNLESS OTHERWISE NOTED.
20. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MANUAL BALANCE DAMPERS IN DUCT BRANCHES IN ACCESSIBLE LOCATION ABOVE CEILING.

HVAC BIDDING AND EQUIPMENT NOTES

FOR QUOTATION ON THE FOLLOWING EQUIPMENT, REFER TO APPROVED VENDOR LIST ON SHEET G2.1:

EQUIPMENT PACKAGE:
OAU-1 AND RTU-1 WITH ACCESSORIES AND CURBS :
GENERAL CONTRACTOR TO CONTACT APPROVED VENDOR ON SHEET G2.1 FOR PRICING INFORMATION. IF DESIGN CONDITIONS DIFFER FROM THOSE LISTED, CONTACT SUPPLIER FOR APPROPRIATE EQUIPMENT.

HOODS, FANS AND FAN CURBS PACKAGE:
GENERAL CONTRACTOR TO CONTACT APPROVED VENDOR ON SHEET G2.1 FOR PRICING INFORMATION. ALL CURBS ARE TO BE INSULATED AND TO COMPLY WITH NFPA 96 REQUIREMENTS FOR HEIGHT. CURBS PROVIDED FOR EF-1 AND EF-2 MUST BE HINGED.

AIR DISTRIBUTION PACKAGE:
PACKAGE TO INCLUDE SCHEDULED AIR DEVICES AND ACCESSORIES. EQUIPMENT AND MATERIAL PACKAGES ARE IN STOCK AND SHOULD BE ORDERED IMMEDIATELY UPON RECEIPT OF HVAC CONTRACT TO AVOID CONSTRUCTION DELAY. CONTACT HJC CONSOLIDATOR FOR DIFFUSER PACKAGE.