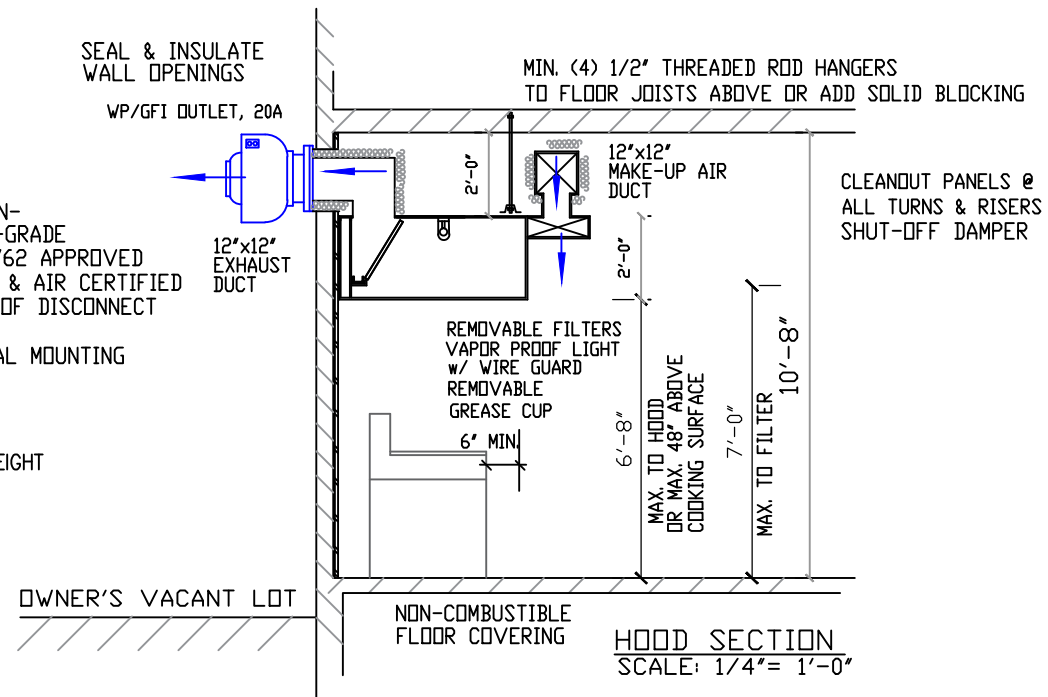


HOOD PLAN
SCALE: 1/4" = 1'-0"

12"x12" MAKE-UP AIR DUCT
HOOD HAS 3' STANDOFF ON BACK SIDE
ON BACK WALL
(1) LAYER TYPE X FIRECODE GYP. BD. FULL HEIGHT
26 GA. STAINLESS STEEL SHEET FACING OR CERAMIC TILE FACING

EXHAUST DUCT TO BE FULLY WRAPPED WITH 3" THERMAL CERAMIC INSULATION ABOVE HOOD & THRU WALL.

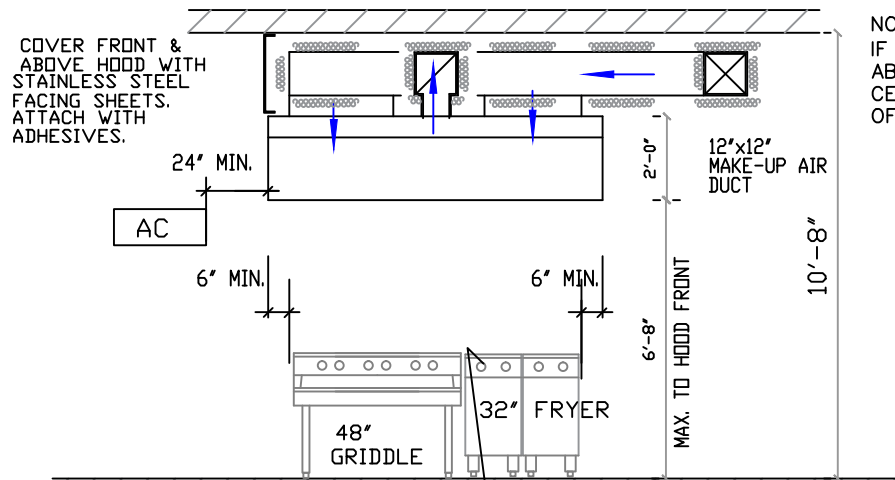


HOOD SECTION
SCALE: 1/4" = 1'-0"

EXHAUST FAN-
COMMERCIAL-GRADE
U.L. 705 & 762 APPROVED
AMCA SOUND & AIR CERTIFIED
WEATHERPROOF DISCONNECT
SWITCH
HINGED METAL MOUNTING
GREASE BOX

OWNER'S VACANT LOT

NON-COMBUSTIBLE FLOOR COVERING



EXHAUST HOOD ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
IF FINISHED CEILING IS MORE THAT 18" ABOVE TOP OF HOOD, THEN NO THERMAL CERAMIC INSULATION IS REQUIRED ON TOP OF THE HOOD.

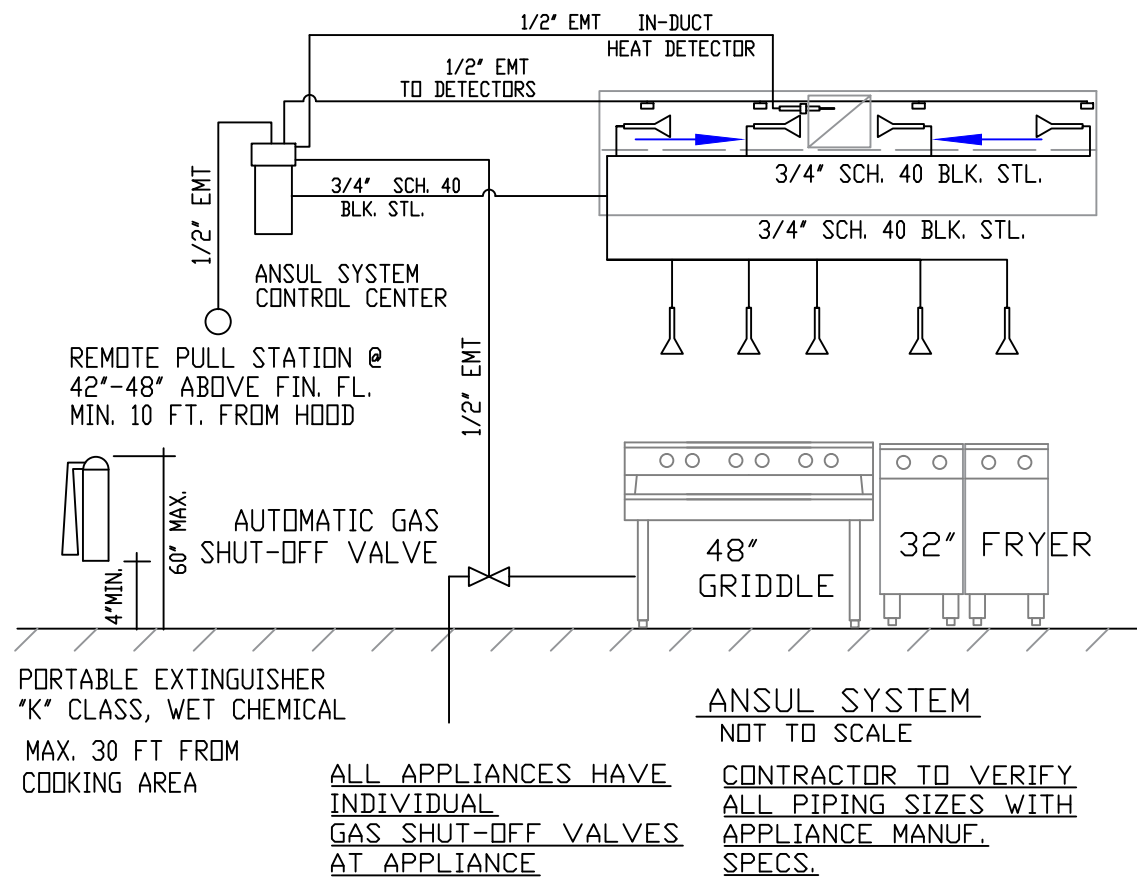
NOTE:
SEE HOOD SHOP DRAWINGS SUPPLIED BY HOOD MANUFACTURER.

51"x 8'-0"x 24"h, TYPE 1 HOOD,
w/ 3" STANDOFF ON BACK (TOTAL 54" DEEP)
HOOD SHALL BE IN COMPLIANCE WITH NFPA 96.
EXHAUST FAN: 1600 CFM, 1/2-HP
EXHAUST DUCT: 12"x12", OR 12" DIA., THRU SIDE WALL

MAKE-UP AIR FAN: 1178 CFM, 1/8-HP
EZ FILTERS; BACKDRAFT DAMPER; ACCESS DOOR w/ MIN. 24" SERVICE CLEARANCE.
MAKE-UP AIR DUCT: FRONT-FACE PLENUM, 96"x18"
(2) 8"x36" RISERS DIFFUSERS, 640 CFM EACH.
14"x10" DUCT THRU SIDE WALL. DO NOT USE FLEX DUCT.

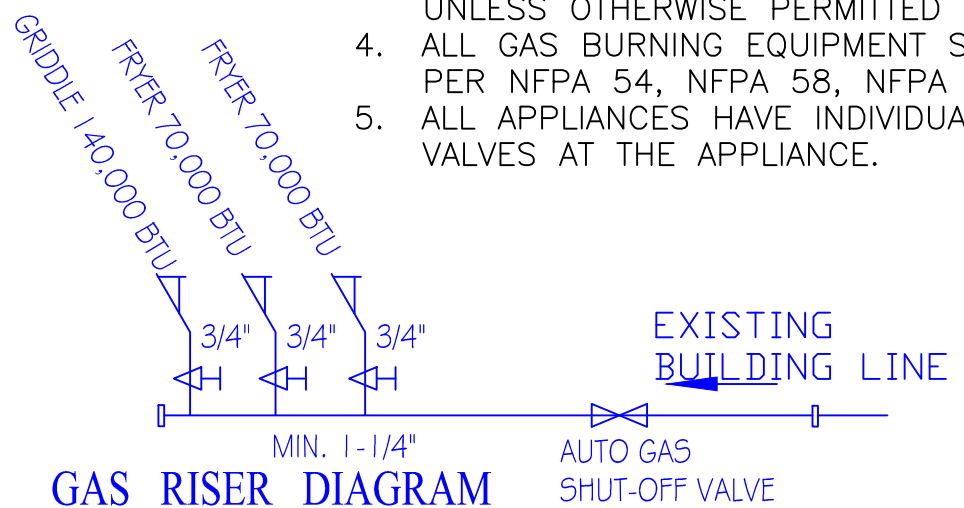
INSTALLER SHALL ADJUST FAN DRIVES OR BELTS & PULLEYS TO BALANCE AIR FLOW
INSTALLER & OWNER TO VERIFY SIZE OF COOKING EQUIPMENT TO VERIFY THAT ALL EQUIPMENT FITS UNDER HOOD WITH REQUIRED DISTANCES FROM HOOD EDGES.

**NEW KITCHEN EXHAUST HOOD:
FRESH NEIGHBORHOOD MARKET
16 JUDSON ST., ALBANY, NY 12206
KEITH CRAMER, ARCHITECT (518) 438-8352
95 HURST AVE. ALBANY, NY 12208
SH. NO. 1 OF: 3 DATE: SEPT. 27, 2021**



FIRE EXTINGUISHERS—
CLASS A–B–C EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED & READILY ACCESSIBLE. TOP OF EXTINGUISHER MAX. 60" ABOVE FLOOR, BOTTOM MIN. 4" ABOVE FLOOR, & INSTALLED IN ACCORDANCE w/ NFPA REQUIREMENTS.
CLASS K EXTINGUISHERS SHALL BE PROVIDED FOR ALL AREAS WITH COOKING EQUIPMENT AND COMBUSTIBLE COOKING MEDIA IN ACCORDANCE WITH NFPA REQUIREMENTS.

- GAS PIPING NOTES:
1. GAS PIPING SHALL BE BLACK STEEL SHC. 40
 2. OR AS PERMITTED BY CODE.
 3. PIPING CONNECTIONS SHALL BE THREADED UNLESS OTHERWISE PERMITTED BY CODE.
 4. ALL GAS BURNING EQUIPMENT SHALL BE INSTALLED PER NFPA 54, NFPA 58, NFPA 96.
 5. ALL APPLIANCES HAVE INDIVIDUAL GAS SHUT-OFF VALVES AT THE APPLIANCE.



ANSUL SYSTEM & COMPONENTS TO COMPLY WITH NFPA 17A & NFPA 96 AND ALL COMPONENTS U.L. APPROVED.
ALL WIRING AND ELECTRICAL EQUIPMENT SHALL COMPLY w/ NFPA 70 AND THE NATIONAL ELECTRIC CODE.
FOR ANY GAS APPLIANCES, PLUMBER TO INSTALL GAS SHUT-OFF VALVE w/ TIE TO FIRE SUPPRESSION SYSTEM.
SUPPRESSION SYSTEM TIED TO ALARM SYSTEM w/ MICRO-SWITCH BY ALARM CONTRACTOR
MAKE UP AIR FAN AND EXHAUST FAN SHALL BE ELECTRONICALLY INTERLOCKED WITH SHUT-OFF MICRO-SWITCH FOR BOTH FANS.
MAKE UP AIR DUCTS AND/OR FLEX DUCT HAVE DAMPERS w/
NOZZLE HEIGHT SHALL BE MIN. 12", MAX. 50" FROM COOKING EQUIPMENT.
MECHANICAL PULL STATION SHALL BE LOCATED 10'-25' FROM THE RANGE HOOD.

TOTAL NEW EQUIPMENT 280,000 BTU
ALL APPLIANCES HAVE INDIVIDUAL GAS SHUT-OFF VALVES AT APPLIANCE
CONTRACTOR TO VERIFY ALL PIPING SIZES WITH APPLIANCE MANUF. SPECS.
CONTRACTOR TO VERIFY THAT EXISTING PIPE SIZE AND LENGTH WILL MEET COMBINED CAPACITY OF ALL APPLIANCES.

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VENTILATION SYSTEM NOTES:

HOOD SHALL BE MADE OF 18 GA. STAINLESS STEEL AND CONSTRUCTED ACCORDING TO NFPA 96, ETL-LISTED. ALL SEAMS, JOINTS, & PENETRATIONS SHALL BE FULLY WELDED.

CANOPY LIGHTS; 100 WATT, VAPOR-PROOF, HIGH TEMPERATURE ASSEMBLY, WIRE-GUARD, SHOCK-PROOF GLOBE, MIN. 48" D.C.

DUCTS SHALL BE 18 GA. STAINLESS STEEL OR 16 GA. CARBON STEEL. ALL JOINTS, SEAMS, & PENETRATIONS SHALL BE FULLY WELDED.

HOOD & DUCTS SHALL BE A MIN. 18 INCHES FROM ANY COMBUSTIBLE MATERIAL.

AIR VELOCITY THROUGH ANY DUCT SHALL NOT BE LESS THAN 500 FT./MIN. HORIZONTAL DUCTS SHALL HAVE MIN. 2% SLOPE UP TO 75 FT LONG, 8% IF LONGER.

PROVIDE REMOVEABLE CLEANOUTS AT THE BASE OF ALL VERTICAL RISERS OVER 20 INCHES, AND IN HORIZONTAL DUCTS EVERY 12 FEET, AND AT ALL CHANGES OF DIRECTION.

CLEANOUTS/ACCESS PANELS HAVE GASKET OR SEALANT RATED 1500 DEG. F. WITH A SIGN STATING "ACCESS PANEL- DO NOT OBSTRUCT"

INSTALLATION OF CERAMIC FIBER INSULATION:

INSTALLER SHALL COMPLY WITH MANUFACTURERS INSTALLATION GUIDE. INSULATION SHALL BE INSTALLED PERMANENTLY WITH MIN. 1/2" STEEL BANDING, RATED TAPE AND PINS OR SPEED CLIPS APPROVED BY THE MANUFACTURER. REFER TO GUIDE FOR PROPER SEAM OVERLAPS, CLEARANCES, AND TREATMENT OF ACCESS PANELS AND DUCT SUPPORTS.

506.3.2.2, 2020 NYS MECH. CODE: DUCT-TO-HOOD JOINTS:

DUCT-TO-HOOD JOINTS SHALL BE MADE WITH CONTINUOUS INTERNAL OR EXTERNAL LIQUID-TIGHT WELDED OR BRAZED JOINTS. SUCH JOINTS SHALL BE SMOOTH, ACCESSIBLE FOR INSPECTION, AND WITHOUT GREASE TRAPS. ALLOWABLE EXCEPTIONS TO THIS SECTION ARE NOT PROPOSED IN THIS DESIGN. IF HOOD INSTALLER OR MANUFACTURER PROPOSES ANY OF THESE EXCEPTIONS, THEY MUST BE SHOWN IN SHOP DRAWINGS AND PROVIDED TO THE ARCHITECT/DESIGNER AND BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.

506.3.2.5, 2020 NYS MECH. CODE: GREASE DUCT TEST

PRIOR TO THE USE OR CONCEALMENT OF ANY PORTION OF A GREASE DUCT SYSTEM, A LEAKAGE TEST SHALL BE PERFORMED. DUCTS SHALL BE CONSIDERED TO BE CONCEALED WHERE INSTALLED IN SHAFTS OR COVERED BY COATINGS OR WRAPS THAT PREVENT THE DUCTWORK FROM BEING VISUALLY INSPECTED ON ALL SIDES. THE PERMIT HOLDER SHALL BE RESPONSIBLE TO PROVIDE THE NECESSARY EQUIPMENT AND PERFORM THE GREASE DUCT LEAKAGE TEST. A LIGHT TEST SHALL BE PERFORMED TO DETERMINE THAT ALL WELDED AND BRAZED JOINTS ARE LIQUID-TIGHT.

A LIGHT TEST SHALL BE PERFORMED BY PASSING A LAMP HAVING A POWER RATING OF NOT LESS THAN 100 WATTS THROUGH THE ENTIRE SECTION OF DUCTWORK TO BE TESTED. THE LAMP SHALL BE OPEN SO AS TO EMIT LIGHT EQUALLY IN ALL DIRECTIONS PERPENDICULAR TO THE DUCT WALLS. A TEST SHALL BE PERFORMED FOR THE ENTIRE DUCT SYSTEM, INCLUDING THE HOOD-TO-DUCT CONNECTION. THE DUCT WORK SHALL BE PERMITTED TO BE TESTED IN SECTIONS, PROVIDED THAT EVERY JOINT IS TESTED. FOR LISTED FACTORY-BUILT GREASE DUCTS, THIS TEST SHALL BE LIMITED TO DUCT JOINTS ASSEMBLED IN THE FIELD AND SHALL EXCLUDE FACTORY WELDS.

506.3.13.2, 2020 NYS MECH. CODE: TERMINATION THROUGH AN EXTERIOR WALL

EXHAUST OUTLETS SHALL BE PERMITTED TO TERMINATE THROUGH EXTERIOR WALLS WHERE THE SMOKE, GREASE, GASES, VAPORS AND ODORS IN THE DISCHARGE FROM SUCH TERMINATIONS DO NOT CREATE A PUBLIC NUISANCE OR A FIRE HAZARD. SUCH TERMINATIONS SHALL NOT BE LOCATED WHERE PROTECTED OPENINGS ARE REQUIRED BY THE NYS MECH CODE. SUCH TERMINATIONS SHALL BE LOCATED IN ACCORDANCE WITH SEC.506.3.13.3 & SHALL NOT BE LOCATED WITHIN 3 FEET OF ANY OPENING IN THE EXTERIOR WALL.

507.1.1, 2020 NYS MECH. CODE: OPERATION

COMMERCIAL KITCHEN EXHAUST HOOD SYSTEMS SHALL OPERATE DURING THE COOKING OPERATION. THE HOOD EXHAUST RATE SHALL COMPLY WITH THE LISTING OF THE HOOD OR SHALL COMPLY WITH SEC. 507.5. THE EXHAUST FAN SERVING A TYPE I HOOD SHALL HAVE AUTOMATIC CONTROLS THAT WILL ACTIVATE THE FAN WHEN ANY APPLIANCE THAT REQUIRES SUCH TYPE I HOOD IS TURNED ON, OR A MEANS OF INTERLOCK SHALL BE PROVIDED THAT WILL PREVENT OPERATION OF SUCH APPLIANCES WHEN THE EXHAUST FAN IS NOT TURNED ON. WHERE ONE OR MORE TEMPERATURE OR RADIANT ENERGY SENSORS ARE USED TO ACTIVATE A TYPE I HOOD EXHAUST FAN, THE FAN SHALL ACTIVATE NOT MORE THAN 15 MINUTES AFTER THE FIRST APPLIANCE SERVED BY THAT HOOD HAS BEEN TURNED ON. A METHOD OF INTERLOCK BETWEEN AN EXHAUST HOOD SYSTEM AND APPLIANCES EQUIPPED WITH STANDING PILOT BURNERS SHALL NOT CAUSE THE PILOT BURNERS TO BE EXTINGUISHED. A METHOD OF INTERLOCK BETWEEN THE EXHAUST HOOD SYSTEM AND COOKING APPLIANCES SHALL NOT INVOLVE OR DEPEND UPON ANY COMPONENT OF A FIRE-EXTINGUISHING SYSTEM. THE NET EXHAUST VOLUMES FOR HOODS SHALL BE PERMITTED TO BE REDUCED DURING PART-LOAD COOKING CONDITIONS, WHERE ENGINEERED OR LISTED MULTISPEED OR VARIABLE SPEED CONTROLS AUTOMATICALLY OPERATE THE EXHAUST SYSTEM TO MAINTAIN CAPTURE AND REMOVAL OF THE COOKING EFFLUENTS AS REQUIRED BY THIS SECTION. REDUCED VOLUMES SHALL NOT BE BELOW THAT REQUIRED TO MAINTAIN CAPTURE AND REMOVAL OF EFFLUENTS FROM THE IDLE COOKING APPLIANCES THAT ARE OPERATING IN A STANDBY MODE.

507.3.2.5 2020 NYS MECH. CODE: A GREASE DUCT LEAKAGE/LIGHT TEST SHALL BE CONDUCTED PRIOR TO THE USE OR CONCEALMENT OF ANY PORTION OF THE GREASE DUCT SYSTEM. THE 100 WATT LAMP SHALL PASS THROUGH THE ENTIRE DUCT SYSTEM TO DETERMINE THAT ALL WELDED AND BRAZED JOINTS ARE LIQUID TIGHT.

507.6, 2020 NYS MECH. CODE: PERFORMANCE TEST

A PERFORMANCE TEST SHALL BE CONDUCTED UPON COMPLETION AND BEFORE FINAL APPROVAL OF THE INSTALLATION OF A VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES. THE TEST SHALL VERIFY THE RATE OF EXHAUST AIRFLOW REQUIRED BY SEC. 507.5, MAKEUP AIRFLOW REQUIRED BY SEC. 508 AND PROPER OPERATION AS SPECIFIED IN THIS CHAPTER. THE PERMIT HOLDER SHALL FURNISH THE NECESSARY TEST EQUIPMENT AND DEVICES TO PERFORM THE TESTS.

507.6.1, CAPTURE AND CONTAINMENT TEST.

THE PERMIT HOLDER SHALL VERIFY CAPTURE AND CONTAINMENT PERFORMANCE OF THE EXHAUST SYSTEM. THIS FIELD TEST SHALL BE CONDUCTED WITH ALL APPLIANCES UNDER THE HOOD AT OPERATING TEMPERATURES, WITH ALL SOURCES OF OUTDOOR AIR PROVIDING MAKEUP AIR FOR THE HOOD OPERATING AND WITH ALL SOURCES OF RECIRCULATED AIR PROVIDING CONDITIONING FOR THE SPACE IN WHICH THE HOOD IS LOCATED OPERATING. CAPTURE AND CONTAINMENT SHALL BE VERIFIED VISUALLY BY OBSERVING SMOKE OR STEAM PRODUCED BY ACTUAL OR SIMULATED COOKING, SUCH AS WITH SMOKE CANDLES & SMOKE PUFFERS; NOT SMOKE BOMBS.

508.1, 2020 NYS MECH. CODE: MAKEUP AIR

MAKEUP AIR SHALL BE SUPPLIED DURING THE OPERATION OF COMMERCIAL KITCHEN EXHAUST SYSTEMS THAT ARE PROVIDED FOR COMMERCIAL COOKING APPLIANCES. THE AMOUNT OF MAKEUP AIR SUPPLIED TO THE BUILDING FROM ALL SOURCES SHALL BE APPROXIMATELY EQUAL TO THE AMOUNT OF EXHAUST AIR FOR ALL EXHAUST SYSTEMS FOR THE BUILDING. THE MAKEUP AIR SHALL NOT REDUCE THE EFFECTIVENESS OF THE EXHAUST SYSTEM. MAKEUP AIR SHALL BE PROVIDED BY GRAVITY OR MECHANICAL MEANS OR BOTH. MECHANICAL MAKEUP AIR SYSTEMS SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE EXHAUST SYSTEM. MAKEUP AIR INTAKE OPENING LOCATIONS SHALL COMPLY WITH SEC. 401.4.

508.1.1, 2020 NYS MECH. CODE: MAKEUP AIR TEMPERATURE

THE TEMPERATURE DIFFERENTIAL BETWEEN MAKEUP AIR AND THE AIR IN THE CONDITIONED SPACE SHALL NOT EXCEED 10F DEGREE EXCEPT WHERE THE ADDED HEATING AND COOLING LOADS OF THE MAKEUP AIR DO NOT EXCEED THE CAPACITY OF THE HVAC SYSTEM.

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