

HOOD AND DUCT SYSTEM

- Shall provide the following information:
 - Project/tenant name
 - Address
 - Permit number

HOODS

- **Hood:**
 - Does hood size and configuration capture and remove smoke and grease laden vapors?
 - Provide a 6-inch overlay on all sides.
 - Shall provide on plan drawings.
 - Hood shall be a maximum of 7 feet above finish floor to the bottom of the hood.
 - Provide the length and width of each hood and identify all hoods on plans.
- **Grease Removal Devices:**
 - Is the distance between the hood(s) and all cooking surfaces 18 to 48 inches in accordance with the terms of the manufacturers' listing?
- **Exhaust Fans:**
 - Shall be installed in accordance with the terms of the listings.
- **Ducts:**
 - Shall be constructed of steel not less than 16 MSG in thickness.
 - Shall be constructed of stainless steel of not less than 18 MSG.
 - Shall provide on plan drawings.

CONSTRUCTION

- **18-Gauge (Steel)/20-Gauge (Stainless Steel):**
 - Hoods shall be constructed of 18-MSG steel or 20-MSG stainless steel.
 - Shall provide on plan drawings.
- **Liquid tight continuous welds (add note to plans):**
 - All seams, joints, and penetrations shall have liquid tight continuous external welds.
- **Insulation materials (add note to plans):**
 - Insulation materials and adhesives shall have a flame spread rating of 25 or less.
- **Listed hood assemblies:**
 - Is the hood listed for use with the terms of their manufactures listing?
- **Solid fuel hood assemblies:**
 - Solid fuel hood assemblies shall comply with [NFPA 96](#).
 - Shall state on plan drawings if not using any type of solid fuel sources.

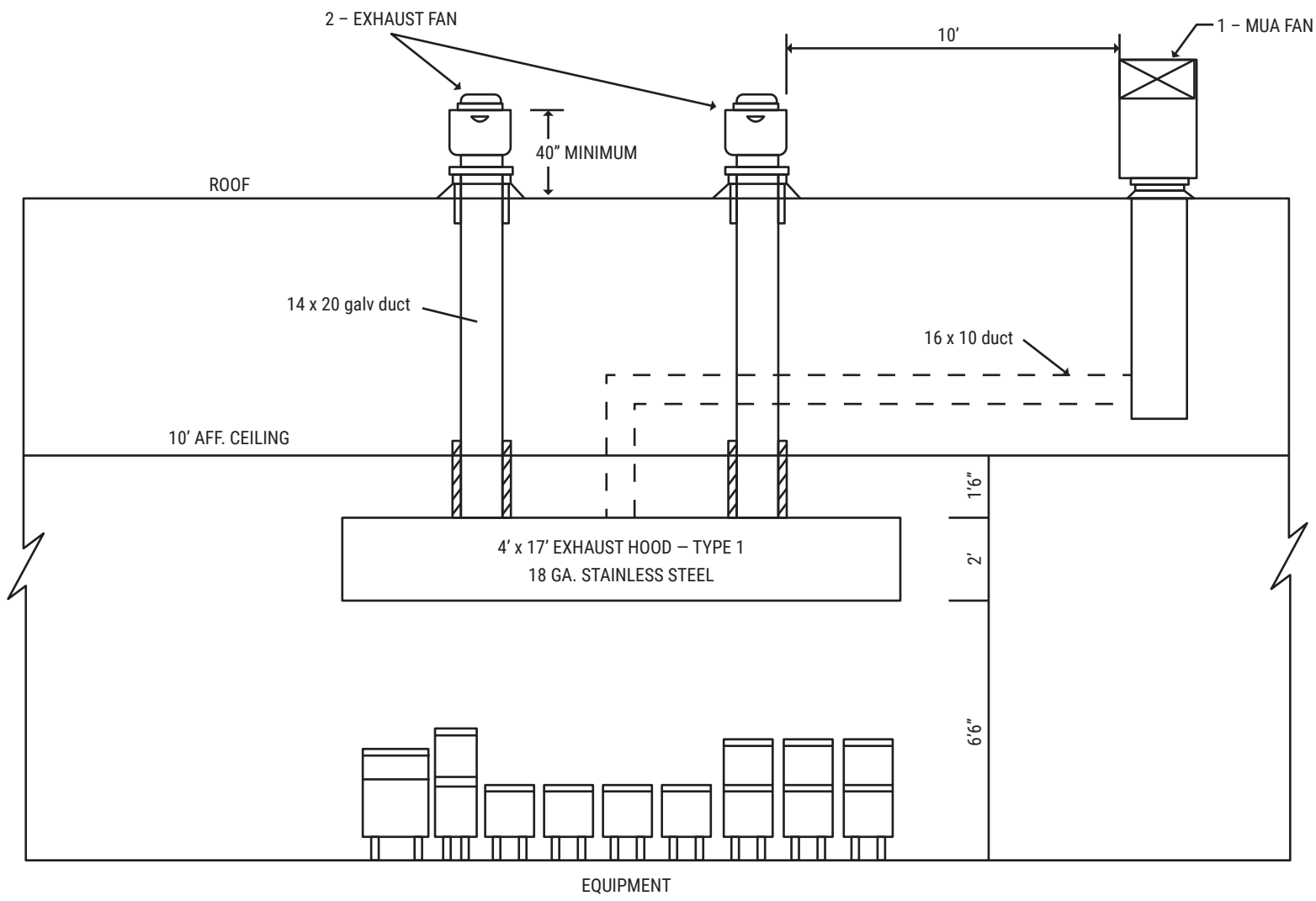
GREASE REMOVAL DEVICES

- **Installation:**
 - Grease filters shall be installed at an angle not less than 45 degrees.
 - Filters shall be equipped with drip trays and shall drain into an enclosed metal container not exceeding 1 gallon.
 - Shall provide on side view of plan drawings.

DUCT SYSTEM

- **Firewalls (add note to plans):**
 - Shall not pass through firewalls.
- **Exterior:**
 - Shall lead directly to the exterior of the building.
- **Interconnection with HVAC (add note to plans):**
 - Shall not interconnect with any other ventilation or exhaust system.
- **Dips/Traps (add note to plans):**
 - Shall be installed without dips or traps that might collect residue. (Add note to plans.)
- **Access Openings:**
 - Openings shall be provided at the sides or on the top of the duct at change of directions.
 - Access panels shall be provided at dampers not accessible from under the hood.
 - Show location on plan drawings.
 - Shall provide the manufacturers' specifications sheet on the type of access panel doors that will be used for this project.
- **Access Panel Sign (add note to plans):**
 - A sign shall be placed on all access panels stating, "Access Panel – Do Not Obstruct".
- **Clearances:**
 - Except where enclosures are required, hoods, grease removal devices, exhaust fans, and ducts shall have at least 18 inches to combustible material, 3 inches to limited-combustible material, and 0 inches to noncombustible material.
- **Enclosures:**
 - Does the duct require an enclosure to provide a fire resistance rating?
 - Shall provide the rating on the plan drawings and attach the specifications sheet of shaft enclosure provided on GwinnettCounty.com.
- **Clearance in Enclosures:**
 - Clearance from the duct to the interior surface of enclosure of combustible construction is 18 inches; noncombustible or limited combustible is six inches.
- **Exhaust Terminations:**
 - Terminations shall be a minimum of 10 feet of clearance from the outlet to adjacent buildings, property lines, air intake, and operable doors and windows.
 - Exhaust fans that terminate on the roof shall maintain a minimum of 40 inches above the roof line.

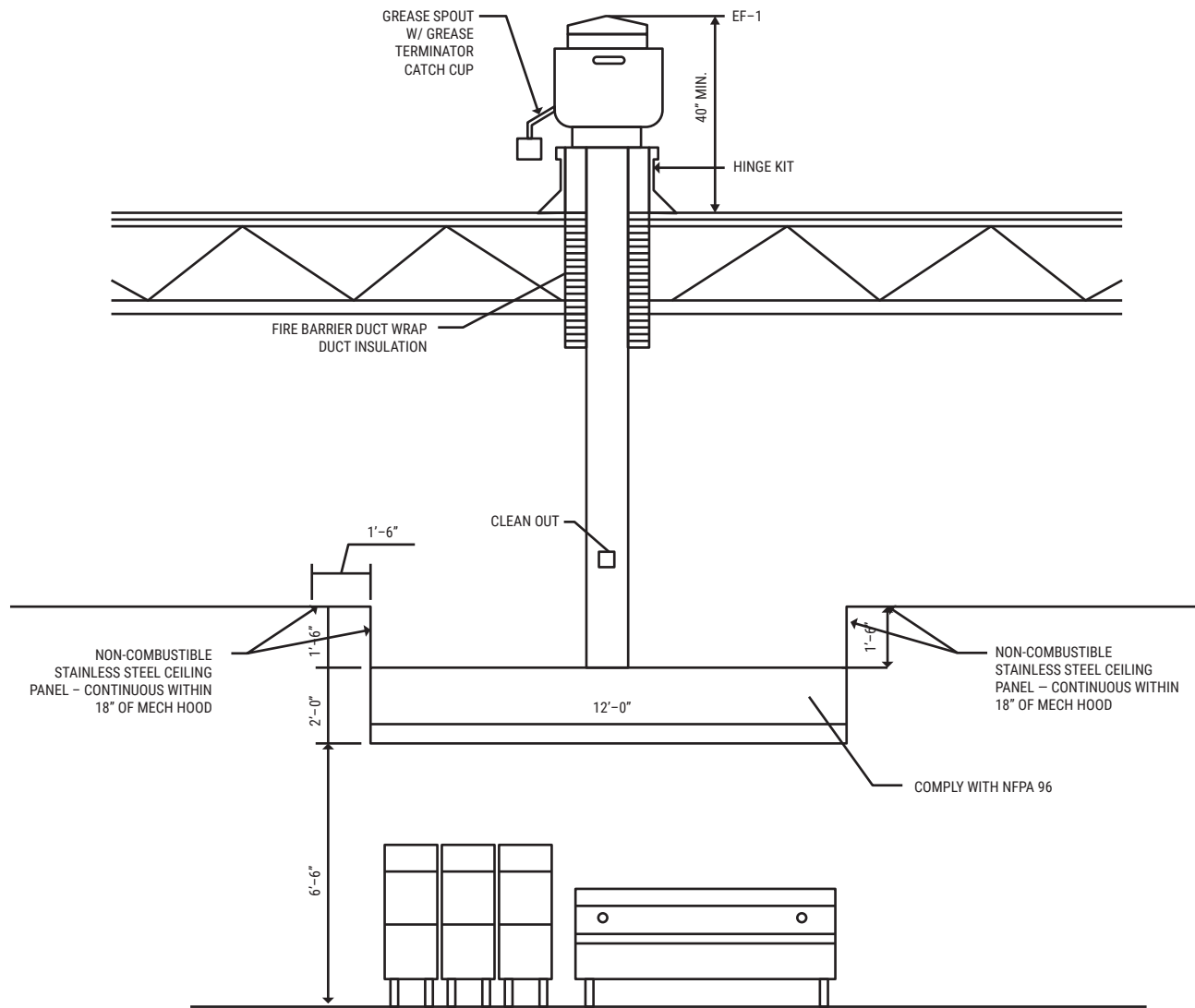
- In cases of wall termination, shall provide an exterior drawing of the wall identifying the exhaust fan from all terminations, per [NFPA 96](#).
 - Shall provide on plan drawings.
- A drawing of the hood(s) and duct(s), as to where construction the hood(s) is built exactly as it is on the job site, shall accompany these comments.
- Shall provide with plan drawings:
 - Manufacturers' specifications cut sheets on any fire wrap being installed and hinge kit details.
 - Makeup supply units for the exhaust fan, including cubic feet per minute requirements, manufacturer's name, model number, etc.
- Shall provide a front and side view of the hood, duct, exhaust fan, and makeup supply fan on the roof, providing all roof requirements and distances showing the path of travel of the duct from the hood to the exhaust fan on the roof, providing all changes of direction of the duct.
 - Shall provide the location of all access panel doors on the plan drawings.
- On the side view, shall provide all construction components of the wall, such as metal, wood, or concrete masonry unit, as to where the hood is being installed.
 - Provide the type of backing at the wall, such as sheetrock, durock, ceramic tile, etc.
- Provide the gauge of the sheet metal backing at the hood that is required from the Environmental Health Department on the plans.
 - Shall be provided on the plans for review and approval by the Gwinnett County Fire Marshal's office.
- Our fee for hood reviews is \$100 per hood.



1
H2

ELEVATION

NOT TO SCALE

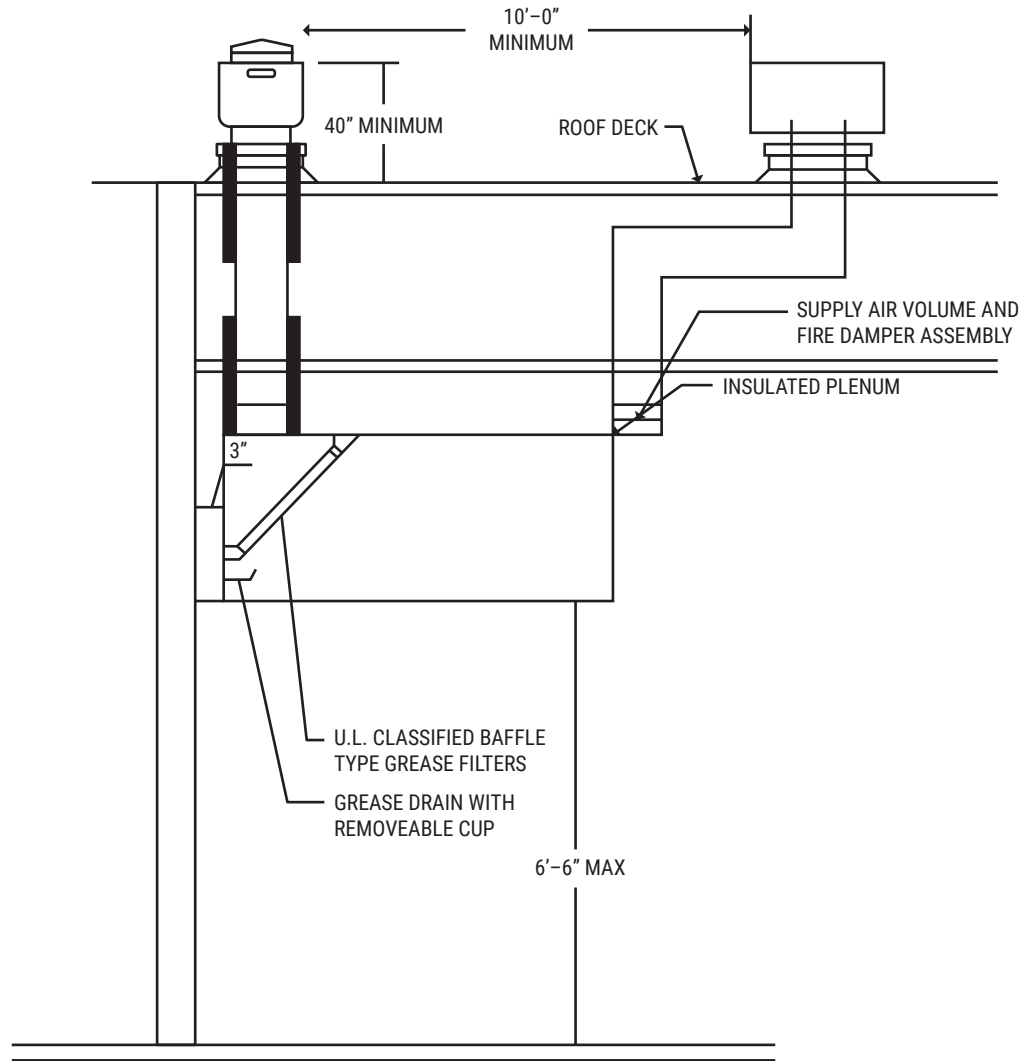


HOOD FRONT VIEW

SCALE: 1/4" = 1'0"

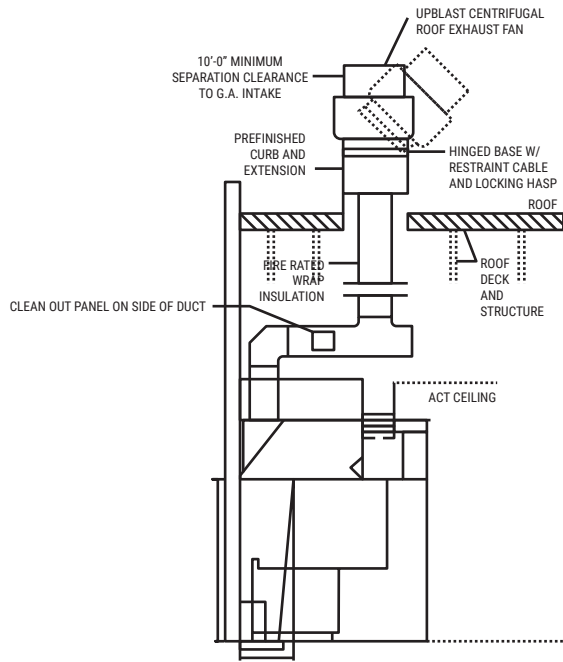
1 - EXHAUST FAN

1 - MUA FAN

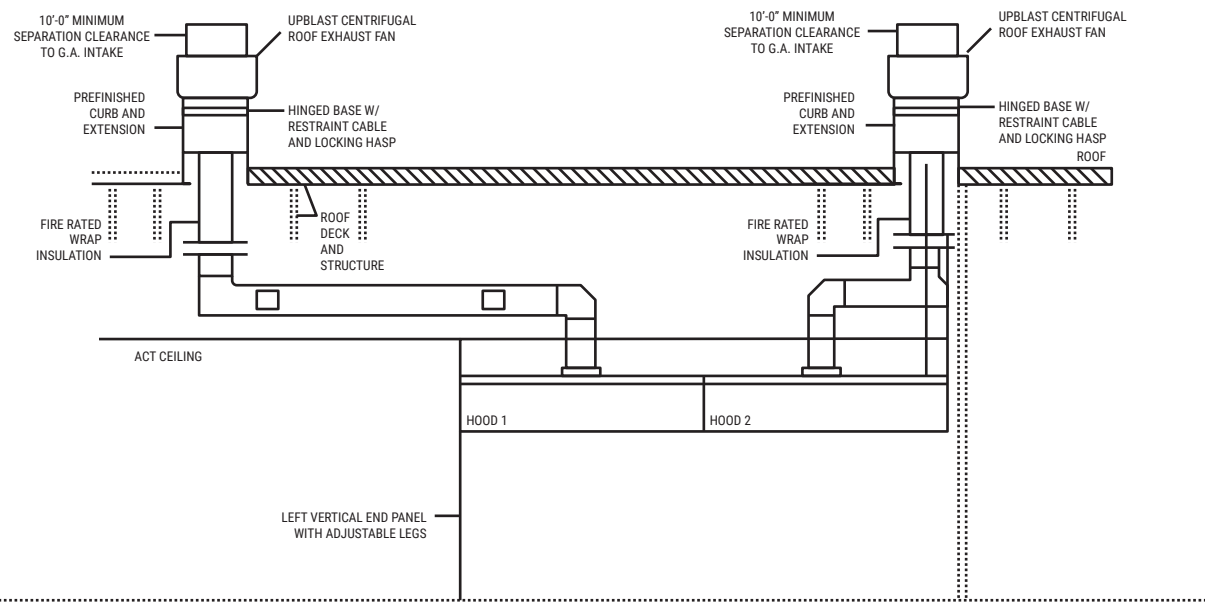


KITCHEN HOOD DETAIL

NOT TO SCALE



A EXHAUST AIR SIDE ELEVATION
SCALE: NO SCALE



B EXHAUST AIR FRONT ELEVATION
SCALE: NO SCALE