

## SECTION 15483

### FUEL GAS SYSTEMS

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. This section describes specific requirements, products, and methods of execution relating to the provision of Fuel Gas Systems for the project.

##### 1.2 SYSTEM DESCRIPTION

- A. Piping to serve tenant gas appliances shall be provided by the tenant.
- B. Gas piping for use by the food service concessionaire(s) has been extended to area of anticipated food service. Refer to the Concourse C - Phase 2 - Building Completion drawings for the extent of the piping. Extension of this piping to the food service concessionaire's gas appliance equipment shall be by the concessionaire.
- C. Additional gas service will require installation of a gas meter and distribution piping from the meter to the tenant area by the tenant. Coordinate requirements for routing of gas piping to tenant areas with ANC.

#### PART 2 PRODUCTS

##### 2.1 FUEL GAS PIPING

- A. Low Pressure (under 14 inches water column pressure): Schedule 40 black steel pipe with black malleable iron fittings, threaded or welded black steel piping and fittings.
- B. Pressure 14 inches water column or greater: Welded Schedule 40 black steel pipe and fittings.
- C. All piping shall be installed in accordance with the UPC and NFPA 54.

##### 2.2 VENT PIPING

- A. Type L annealed copper, wrought copper sweat fittings.

#### PART 3 EXECUTION

##### 3.1 INSTALLATION

- A. Gas piping installed on the roof of the building shall be supported a minimum of 8" above the surface by permanent supports fastened securely to the roof structure. Pipes support system shall be designed to support and constrain the piping to remain on the supports without undo stress on the piping or roof support system. All roofing work required to fasten supports shall be by tenant. Roofing work shall be performed provide a waterproof installation, and to maintain any warranty on the roof.
- B. Outdoor piping: Clean all gas piping, fittings, valves, etc., of all grease, rust, and paint, with one coat of flat heat-resistant enamel paint over suitable rust-inhibiting primer as required to provide uniform appearance. Color: black.

- C. Except for low pressure regulators serving gas appliances, provide a separate vent line to the outdoors for each regulator.

### **3.2 TESTING**

- A. Test gas piping before connection to the gas source. Do not enclose or conceal any untested portion of the gas system.
- B. Submit inspection report from the Administrative Authority indicating approval of the system.

**END OF SECTION**