1. SECTION 220300 Plumbing Basic Materials and Methods:

Subsection 2.4 VALVES – ADD the following:

Kitchen Ventilation Interlock / Emergency Shutdown

1. Control Panel: Provide gas control ventilation interlock panel with clear status display and key lock authority re-set function. Built in connectivity to remote emergency stop button, in-built fan current monitors and building management system / F.A.C.P. Control panel should be flush mounted in 10x7x3in enclosure. Panel to energize solenoid valve when fans have been proven to be operating via internal fan current monitors, remote emergency stop button or authority key shall de-energize solenoid and will require management key authority re-set. Mount Control panel as per drawings. Provide 3yr manufacturer warranty. Basis of design Canadian Gas Safety Merlin CT1250X or approved equal.

2. Solenoid Valve: UL Listed 429, CSA Certified, gas safety shut-off valve. Aluminum body two-way normally closed valve rated for natural gas (methane) and LPG (liquid petroleum gas). Size to be same as pipe size indicated on plans, 120 volt ac single phase actuator, 15 watts, and 2 PSI maximum operating pressure capacity. Manufacturer: Canadian Gas Safety (CGS) series.

3. Remote Emergency Push Button Actuator: UL listed, ADA Approved, wall mounted on single gang rough in box. Yellow enclosure with clear plastic shield cover labeled “Emergency Gas Shut-off”. Red mushroom emergency stop button, push to activate / twist-pull to re-set. Volt free dry contact control circuit to Merlin Gas Control Panel. Furnished by Division 22 installed by Division 26. Manufacturer: Canadian Gas Safety (CGS) Series CGSEGOTW or approved equal.

4. Audible Alarm Beacon: Provide a UL listed 12vdc flashing LED strobe with built in programmable 100db audible alarm.