



HILLTOWN TOWNSHIP

13 West Creamery Road

P.O. Box 260

Hilltown, PA 18927

(215) 453-6000 Fax (215)453-1024

www.hilltown.org

MECHANICAL PLAN REVIEW CHECKLIST

- a. Show all required wall louvers, penetrations and fans.
- b. Indicate roof-mounted equipment locations.
- c. Show all mechanical equipment, piping, ductwork (above/below slab) on the mechanical floor and/or roof plan.
- d. Provide mechanical plans for each floor and the roof. These shall show the ductwork layouts, schedules, notes, legends, piping schematics, and details necessary to define the system being installed.
- e. Indicate air distribution devices and show cfm for all supply, return and exhaust devices.
- f. Indicate the location of all equipment components required for a complete system.
- g. Show the smoke ventilation of atriums and pressurization of high-rise stairwells.
- h. Show condensation drains, primary and secondary, from the unit to the point of discharge.
- i. Indicate toilet exhaust requirements.
- j. Show mechanical room layouts at sufficient scale for dimensions and details to be ascertained.
- k. Show the size of duct runs.
- l. Indicate controls for fan shutdown: emergency manual and automatic smoke detection
- m. Show the location of all UL 555-certified fire dampers, ceiling radiation dampers, smoke dampers, and fire doors.
- n. Show all fire-rated walls (both existing and new) with their ratings on the mechanical plans.
- o. All penetrations of fire-rated construction must be per manufacturer's details.
- p. Room names and numbers for each floor should be on a floor plan for each level.
- q. Provide outside air ventilation rate per the *International Mechanical Code*.
- r. Column line notations, if provided on the architectural/structural plans, shall be identified on the mechanical plans.
- s. Provide gas piping layout on the floor plan for each floor. If it is a multi-story building, all gas piping shall be shown per floor. Include pipe sizes, water column, and type of material. Provide a schedule of connected equipment, total BTUH demand, total equivalent length, and most remote gas appliance.