



HILLTOWN TOWNSHIP

13 West Creamery Road

P.O. Box 260

Hilltown, PA 18927

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

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 the 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 & new) with their rating 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 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