**INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS**

To receive a building permit, the following information is required to be contained within construction documents.

**ENERGY CODE COMPLIANCE PATH**

One of the following energy code compliance paths indicated clearly on the plans

[ ]  2020 ECCCNYS

[ ]  Prescriptive

[ ]  Prescriptive with envelope tradeoffs – Supply RES*check* or other approved Uoverall calculations

[ ]  Simulated Performance Alternative – Supply IECC Energy Cost Report

[ ]  Energy Rating Index Alternative – Supply Preliminary ERI Report and Energy Code Checklist

**BUILDING THERMAL ENVELOPE**

[ ]  Continuous building thermal envelope depiction

[ ]  Typical cross-sections for each unique assembly type including callouts for:

[ ]  Insulation R-values, materials, and installed thickness

[ ]  Fenestration U-factors and solar heat gain coefficients (SHGCs)

[ ]  Primary air barrier method, materials, and location

[ ]  Construction details for the following, if included in the scope of the project

[ ]  Slab on grade with insulation extending downward from the top of the slab

[ ]  Insulated corners: Framing allows space for insulation

[ ]  Insulated headers: Insulation installed in headers as space allows

[ ]  Fireplaces on exterior walls: Air barrier between insulation and fireplace insert

[ ]  Dropped ceiling/soffit: Air barrier aligned with insulation

[ ]  Porch roofs: Exterior wall sheathing extends behind intersection with porch roof

[ ]  Skylight shafts: Shaft walls are insulated and include attic-side air barriers

[ ]  Showers/tubs on exterior walls: Air barrier located between wall insulation and the shower/tub

[ ]  Knee walls: Air barrier on attic side of knee wall, top plate installed, blocking between floor joists under knee wall

[ ]  Blocking between joists above walls separating garages from conditioned space

[ ]  Cantilevered floors: Insulated with solid air barriers underneath insulation and blocking between joists

[ ]  Attic access hatches: Weatherstripped and insulated to the same R-value as the surrounding surface

[ ]  Notes indicate that insulation is to be installed per manufacturer’s installation instructions or RESNET Grade I

**HEATING AND COOLING SYSTEMS**

**Thermostats**

[ ]  Thermostat type and location

**Ducts and Air Handler**

[ ]  Duct and air handler locations

[ ]  Notes or drawings specify insulation R-values for ducts in unconditioned spaces

[ ]  Note indicating that HVAC contractor will seal ducts to 4.0 cfm/100 ft2 conditioned floor area with UL 181 products appropriate for the duct material type. (Testing not required if all ducts are located completely within conditioned space.)

[ ]  Furnace and air conditioner or heat pump specifications

**HVAC Design Worksheet**

[ ]  Completed ***Heating and Cooling Equipment Worksheet*** (page 1)

[ ]  Completed ***Whole-house Mechanical Ventilation Worksheet*** (page 2)

**HVAC Piping**

[ ]  Notes or drawings indicate HVAC pipe insulation R-values (e.g. hydronic systems, refrigerant lines)

[ ]  Notes or drawings indicate HVAC pipe insulation protection for pipes/insulation located outdoors (e.g. refrigerant lines)

**SERVICE HOT WATER PIPING**

[ ]  Hot water pipe insulation R-value for pipes meeting any *one* of the following conditions

 [ ]  ≥ ¾” nominal diameter

 [ ]  Located outside conditioned space

 [ ]  Between the water heater and a manifold

 [ ]  Underground or in a slab

 [ ]  Serving more than one dwelling unit

[ ]  Supply and return piping in recirculating hot water systems other than demand recirculating systems

**LIGHTING**

[ ]  Lighting schedule or notes indicating percentage of high-efficacy lighting