INSPECTION REQUIREMENTS

Commercial Inspections

The Building Department will inspect with 24 hr notice and require the submittal weekly certification as prescribed in the construction documents, plans and specifications.

Division 01 – Quality Requirements - References and Standards
  o Testing and Inspection Agencies – Third Party Inspections

Division 02 – Site Work
  o Underground Utilities – Pipes, Raceways, Conduits, prior to backfill or concrete
    o Sewer
    o Water
    o Electrical
    * Below slab and through foundation for approved specs, materials, coverage, clearances etc.

Division 03 – Cast- In- Place Concrete
  o Materials – Design Mixtures
  o Footing Forms, prior to concrete
  o Rebar
  o Anchor Bolts/ Column Base Plates
  o Concrete Footings
  o Concrete Wall Forms with Rebar in place, prior to pour
  o Foundation Insulation, prior to backfill
  o Vapor Barrier, rebar prior to slab pour
  o Pre-Cast Concrete Shear Walls – Quality Assurance
  o Anchor & Structural Support System - 3rd Party Inspection

* Field Quality Control - Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 04 – Masonry
  o Quality Assurance – Brick, CMU & Cultured Stone
  o Design Mixes – Mortar & Grout
  o CMU Block, with rebar prior to grouting
  o Lintels, Bond Beam, Bearing Plates, prior to grouting
  o Raceways, Conduit, Pull Boxes in CMU walls, prior to grouting
  o Brick/ Cast Stone Veneer Anchor Ties
  o Rigid Insulation/ Spray Foam in Masonry Walls, prior to concealment
  o Grouting Lifts
Division 04 – Masonry – Continued

* Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 05 – Steel

- Structural Steel Frame – Columns, Beams, Lintels, Bar Joist, Decking
- Cold Formed Metal Frame – metal stud partitions, soffits, chase walls, etc.
- Metal/ Insulated Wall & Roof Panels, during installation

* Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 06- Wood and Plastics

- Framing
- Blocking (Fire Rated), furring, where approved for structural support

Division 07 – Moisture Protection/ Thermal Insulation

- Foundation – Damproofing prior to backfill & insulation
- Roof - Membrane Insulation
- Rooftop support curbing for Mechanical & Electrical - RTU/ Systems
- Flashing & Underlayment
- Firestopping
- Batt Insulation – at exterior walls
- EFIS & DEFS Systems – prior to base coat application

Division 08 – Doors, Windows & Glazing

- Provide UL listings for fire rated doors, frames, hardware, glazing & windows
- Installation per door grade requirements and manufactures instruction

Division 09- Finishes & Assemblies

- Suspended & Acoustical Ceiling Grid System
- Acoustical Wall Panel System

Division 10 – Signs/ Visual Display Boards

- Refer all approvals/ permits thru the Community Development office

Division 11 – Equipment

- Security Lock “Knox-Box” Box – Merrimack Fire Department
- Loading Dock - Recessed Dock Leveler – Mud Slab prior to setting pit
- Kitchen/ Food Service Equipment – Merrimack Health Department
- Provide UL listed equipment/ appliances with manufactures instructions

4/17/2015
Division 21 – Fire Alarm Systems

o Refer to Third Party Inspection Service & Merrimack Fire Department

* Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications, as outlined in Division 01

Division 22 – Plumbing

o Trench and below slab sewer drains, potable water pipe and roof drains, prior to backfill
o Trap primers for floor drains, as required
o Sewer Connections to main
o Water Meter(s)
o Irrigation System – Backflow Protection Potable Water Source
o Rough Plumbing – all piping prior to concealment with pressure test with air (5 psi) or water (10’ head)
o Hanger & Support Installations
  o Water Pipe – Potable
  o Hydronic Systems
  o Sewer Pipe
  o Drainage Pipe

Division 23 – HVAC

o UL Listed and Labeled Equipment and Appliances
o Ductwork – Main and Branch
o Fire Dampers, as required
o Refrigeration Lines
o Compressors
o Gas Piping
o Hydronic Systems
o Suspended Ceiling - Above Grid Inspection
o Supports and Anchors
o Exhaust, ERV and Ventilation
o Instruments and Controls
o Final Balanced System

Division 26 – Electrical

o Rough Electric – Conduit, Panelboards, Conductors, Cable wiring, pull boxes, outlets, work boxes and switches prior to concealment
o UL Listed and Labeled Equipment and Appliances
o Service Entrance – Meter Bank Location, CT’s, Disconnects, Main and Sub Panels
o Transformer Pad(s) and Conduit, as required
o Electrical Room
Division 26 – Electrical - Continued

- Lighting
- EBU’s and Exit Signs
- Generators
- EMT Piping
- Wiring Methods, Clearances and Protection of Physical Damage
- Suspended Ceiling - Above Grid Inspection
- Supports and Anchors
- Instruments and Controls
- Final Inspection of Electrical System

Fire Protection and Life Safety Review

- Submit Third Party Code Consultant