

This form pertains only to Code Inspections and Test Witnessing for Projects that fall under the authority of the CT Department of Administrative Services (CT DAS) Division of Construction Services (DCS) Code Unit Staff located in Room 483, 165 Capitol Avenue, Hartford, CT. These Inspections shall be performed by certified DCS Code Unit Staff unless otherwise noted in this schedule.

The Contractor or CMR or Design-Builder (as applicable) is to provide the DCS Code Services Inspector at least forty-eight **(48)** hours' notice to schedule the required Code Inspection and Test Witnessing. A fourteen **(14)** Calendar Day notice is required for Utility Companies work.

Call 860-713-5701 (DCS Process Management Unit) to notify DCS of Inspections.

All Inspections shall be documented in writing utilizing the **Code Inspection Report (DCS Form 7031)**.

State of Connecticut Department of Administrative Services Division of Construction Services Schedule of Required Code Inspections	
Inspection Description	2005 State Building Code Section (unless otherwise noted)
A. Footing Inspection Prior to Concrete Placement	
Inspections shall be performed by Special Inspector or DCS Code Unit Staff if Special Inspector is not required.	1704.4, 109.3.1
1. Prepared fill/controlled structural fill, is site prepared per approved report and is placement of fill material compliant.	1803.5
2. Approved set of footing and foundation plans plus soil boring and sampling records shall be available at site.	106.3.1
3. Compaction testing reported.	1803.5
4. Testing of concrete scheduled by an approved testing agency (hired by DCS)	1704.4, 1905.6
B. Foundation Inspection Prior to Concrete Placement	
Inspections shall be performed by Special Inspector or DCS Code Unit Staff if Special Inspector is not required.	1704.4
1. Reinforcing steel.	1704.4, 1907.0
2. Insert, penetrations, appurtenances & anchor bolts.	1604.8, 1704.4
3. Forms placed and previously oiled.	1905.7
4. Testing of concrete scheduled by an approved testing agency (hired by DCS).	1704.4, 1905.6
5. Temporary Heat (Inspected by DCS Code Unit) and Cold Weather Protection.	1905.12, 1905.13, 1905.11.1
6. Damp-proofing, Waterproofing & Subsoil Drainage System	1807.0

State of Connecticut, Department of Administrative Services Division of Construction Services Schedule of Required Code Inspections	
Inspection Description	2005 State Building Code Section (unless otherwise noted)
C. Floor Inspection Prior to Concrete Placement	
Inspections shall be performed by Special Inspector or DCS Code Unit Staff if Special Inspector is not required.	
1. Compaction Testing reported.	1803.5
2. Approved set of building plans to be available at the site.	106.3.1
3. Perimeter insulation, vapor barrier, isolation of columns.	1911.0
4. Reinforcing steel, mesh & haunch placement.	1905.7, 1907.0
5. Slab thickness, construction joints & expansion joints.	1909.3, 1911.0
6. Testing of concrete scheduled by an approved testing agency (hired by DCS).	1704.4, 1905.6
D. Underground Inspection of Mechanical, Plumbing, Electrical & Fire Protection	
All inspections must be completed prior to backfill / concealment	IMC 107.1 IPC 107.1
1. Mechanical & Plumbing All underground work shall utilize International Code Council's (ICC) <i>Inspect It</i> rough-in mechanical & plumbing inspection checklists.	IMC 107 IPC 107
a. Trench pitch and bedding.	IPC 306.0
b. Piping installation and pressure test(s).	IPC 305, 312, 702, 703, 704 IMC 1304, 1209.2
c. Backfill material and placement.	IPC 306.3
2. Electrical Underground work includes:	2701, 2702 NEC 2011
a. Trenching and bedding.	NEC 2011 300.5
b. Conduit installation.	NEC 2011 300.5
c. Backfill material and placement.	NEC 2011 300.5(D)
3. Electrical Service Entrance and Temporary Construction Electrical Service These services shall be inspected by designated DCS electrical staff. Sign off is required by NU and UI to energize electrical service to building.	NEC 2011 590.4(A), 230.0
4. Fire protection Underground work (including fire service and thrust blocks):	NFPA 13/02, Chapter 10, 10.8.2 (thrust Blocks)
a. Trenching and bedding.	NFPA 13/02, 10.4; 10.5; 10.6; 10.7; 0.8 and 10.9
b. Piping installation and pressure test(s).	NFPA 13/02, 10.10 Sections 10.10.1 thru 10.10.2.24
c. Backfill material and placement.	NFPA 13/02, Section 10.9

State of Connecticut, Department of Administrative Services Division of Construction Services Schedule of Required Code Inspections	
Inspection Description	2005 State Building Code Section (unless otherwise noted)
D. Underground Inspection of Mechanical, Plumbing, Electrical & Fire Protection (continued)	
5. Fuel Storage Tank Underground & Aboveground Installation:	IMC 1301.2
a. Witness of all manufacturer's required procedures.	<ul style="list-style-type: none"> • CT Flammable & Combination Liquids Code • NFPA 30 Ch. 2 & 3, • CT Oil Burning Equipment Code • NFPA 31/92 Ch. 2 & 3, • CT Gas Equipment & Piping Code • NFPA 54/96 Ch. 2, 3 & 4 • CT LP Gas & LN Gas Code • NFPA 58/95 Chapters 2, 3 & 5
b. Hold down structures.	
c. Backfill material and placement.	
d. Piping and appurtenances.	
E. Structural Steel & Metal Framing Inspection Prior to Concealment	
Inspections shall be performed by Special Inspector or DCS Code Unit Staff if Special Inspector is not required.	
1. Protection of steel by approved methods prior to masonry.	2203.2
2. Floor, roof and wall members, panels, columns, bracing, bolts, washers and welds.	1704.3, 1704.3.1.2, 1704.3.3
3. Spray applied fire resistive material.	1704.11
4. Third party reports; prefab steel, assemblies, markings, certified test reports, ASTM, weld filler. Fabricator Certification/Quality Control Procedures.	1704.2, 1704.2.1, 1704.2.2
F. Masonry & Stone Inspection Prior to Concealment	
Inspections shall be performed by Special Inspector or DCS Code Unit Staff if Special Inspector is not required.	
1. Anchor ties.	1704.5, 2104.1.3, 2109.7
2. Lintel and bond course.	1704.5, 2104.1.5, 2109.6
3. Horizontal and vertical reinforcement.	1704.5, 2109.7.2
4. Certification of block, brick and accessories.	1704.5
5. Mortar type material, temperature and method of application	1704.5 2104.3
6. Flashing, damp-proofing, weeping, wicking, insulation and penetrations.	1704.5
7. Third party reports, prefab masonry units, assemblies, markings, certified test reports and ACI Standards	1704.5
8. Temporary Heat and Cold Weather Protection.	1704.5 2104.3.3

State of Connecticut, Department of Administrative Services Division of Construction Services Schedule of Required Code Inspections	
Inspection Description	2005 State Building Code Section (unless otherwise noted)
G. Wood Construction Roughing Inspection	
1. Fabricator Certification / Quality Control Procedures.	1704.6 2303.0
2. Material Grading.	2303.1.1
3. Connections.	2304.9 1704.6
4. Framing and Details.	2304.3 2304.4
5. Roof and Floor Diaphragms, Interior and Exterior Shear Walls.	2305.2 2305.3
H. Cast-In-Place Concrete, Pre-Cast Concrete, Exterior Insulation & Finish Systems (EIFS), Structural Insulated Panel Systems, Curtain Wall Systems and All Special Cases	
	1903 1704.4 3101.1
Inspection shall be performed by Special Inspector.	
I. Mechanical, Electrical, Plumbing, & Fire Protection (including Sprinkler, Standpipe, Hood Extinguishing, Detection & Fire Alarm) Above Slab / Roughing Inspection Prior to Concealment	
Rough-in inspections shall be made after the roof, framing, fireblocking, firestopping, draftstopping and bracing is in place and all ducting and other components to be concealed are complete, all sanitary, storm, fire protection and water distribution piping is roughed-in & prior to the installation of wall or ceiling membranes.	109.3 712.0 716.2 717.2 907.0
Inspections of MEP & FP work shall also include inspection of fire safing, sleeving, sealants, penetrations & thru-penetration firestop systems as well as seismic bracing and attachment (which may be part of Special Inspection duties).	
1. Mechanical & Plumbing Rough-in Inspection shall utilize International Code Council's (ICC) <i>Inspect It</i> rough-in mechanical & plumbing checklists & include items below.	2801.1 2901.1 IMC 107(2)
a. Piping and duct system installations.	IMC 304, 603, 1107, 1208.1, 1304, 1305, IPC Ch. 6 & 704
b. Duct and Piping support, hangar systems & seismic bracing.	IMC 304, 305, 603 IPC 308 1621
c. Fire and Smoke dampers.	716.1 716.3 716.5 UL 555, NFPA 90A/02
d. Pipe/Duct insulation, identification, valve tags and vibration isolation.	IMC 301.10, 604, 1204 IPC 303 505, Ch. 6 719.7
e. Witness piping system (domestic water, drain-waste-vent, storm, fuel) testing.	IMC 107.2, 1208, 1209.2, 1304.1 IPC 312
f. Witness refrigerant system test and certification provided.	IMC 1108

State of Connecticut, Department of Administrative Services Division of Construction Services Schedule of Required Code Inspections	
Inspection Description	2005 State Building Code Section (unless otherwise noted)
I. Mechanical, Electrical, Plumbing, & Fire Protection (continued)	
2. Electrical Rough-in Inspection shall include but not be limited to.	2701.0 NEC
a. General requirements for electrical installations, conduit and feeder installation.	NEC Art. 110, 215
b. Bonding and grounding of devices, boxes, conduit, equipment, and structure.	NEC Art. 250
c. Service entrance and switchgear installation.	NEC 110.30, 230, 338, 490 III
3. Fire Protection Rough-in Inspection shall include but not be limited to.	
a. Piping system installation.	903.0 NFPA 13
b. Hangar systems and seismic bracing.	903.0 NFPA 13
c. Witness hydrostatic pressure system test	903.0 NFPA 13
4. General Inspection This inspection shall also be done on fire walls, fire and smoke barriers constructed accordance with their referenced test assemblies.	109.3 705.0, 706.0, 708.0, 709.0
J. Inspections & Testing Prior To Certificate of Compliance and Occupancy	
	109.0 & 110.0
1. Outstanding Inspection Report violation findings and code discrepancies resolved.	109.3.10 113.0
2. Outstanding Plan Review Report comments and code discrepancies resolved.	109.3.10 113.0
3. Testing of the emergency power and standby power systems - witnessed by CA & Engineer of Record.	2702 NEC 700.4, NFPA 110/02
4. Testing of fire protection systems - witnessed by DCS Code Unit Staff: (sprinkler, standpipe, hood and special extinguishing, fire pump, detection & fire alarm systems), special locking, area of refuge communication system, emergency lighting & exit signage .	Chapter 9, 1011, 1024 NEC 700, 760 1021.4
5. CT Division of Construction Services, Office of State Building Inspector, Boiler Bureau inspection, testing & operating certificate (860) 685-8320.	CT General Statute Chapter 540
6. CT Division of Construction Services, Office of State Building Inspector, Elevator Bureau inspection, testing & operating certificate (860) 685-8340.	3001.1.1
7. CT Dept. of Public Health (DPH) approval of sewer, septic, health care, and water (potability test per IPC 610 and swimming pool). Kitchen/food service licensing per Local Health Dept.	
8. CT Dept. of Energy & Environmental Protection (DEEP) registration of fuel oil and hazardous materials – Engineer of Record to complete required form for DCS to sign.	
9. Backflow prevention acceptance by water supplier.	IPC 608
10. Certification of HVAC operation and balancing.	IMC 107.2
11. Testing of smoke control system - witnessed by CA & Engineer of Record.	909.3
12. Electrical Ground Fault Protection system performance test - witnessed by CA.	NEC 230.95C
13. Kitchen hood exhaust system, laboratory hood and special exhaust system inspection and testing by Commissioning Agent (CxA) & Project Engineer.	IMC 507, 510, NFPA 45
14. Explosion Hazard Protection Inspection by Architect or Engineer of Record & CA.	414
15. Inspection of accessible components by CA & DCS Code Unit (i.e. parking & signage.)	Chapter 11
16. CT DPH Day Care License requires Local Fire Marshal Certificate of approval & written verification of building code compliance.	RCSA Section 19a-79-2a Subsection (b)

END – Code Inspections Schedule