

## APPROVED STATE BUILDING CODES

Approved building codes and standards are adopted by the Office of the State Architect (herein referred to as State Buildings Program (SBP)) and other state authorities, and are identified below. These minimum requirements are to be applied to all construction at state agencies and institutions of higher education owned facilities.

### **The 2018 edition of the International Building Code (IBC)**

(As adopted by the Colorado State Buildings Program as follows: Chapter 1 as amended, Chapters 2-35 and Appendices C and I)

### **The 2018 edition of the International Existing Building Code (IEBC)**

(As adopted by the Colorado State Buildings Program as follows: Chapters 2-16, Appendices A-C and Resource A) Effective July 1, 2016.

### **The 2018 edition of the International Mechanical Code (IMC)**

(As adopted by the Colorado State Buildings Program as follows: Chapters 2-15 and Appendix A)

### **The 2018 edition of the International Energy Conservation Code (IECC)**

(As adopted by the Colorado State Buildings Program)

### **The 2020 edition of the National Electrical Code (NEC) (NFPA 70®)**

(As adopted by the Colorado State Electrical Board) Effective August 1, 2020

### **The 2018 edition of the International Plumbing Code (IPC), first printing (August 2017)**

(As adopted by the Colorado Examining Board of Plumbers)

### **The 2018 edition of the International Fuel Gas Code (IFGC) first printing (August 2017)**

(As adopted by the Colorado Examining Board of Plumbers)

### **The National Fire Protection Association Standards (NFPA)**

(As adopted by the Department of Public Safety/Division of Fire Prevention and Control)

### **The 2018 edition of the International Fire Code (IFC)**

(The 2015 edition continues to be adopted by the Department of Public Safety/Division of Fire Prevention and Control (DFPC). Projects requiring DFPC review should be designed with the most restrictive requirements)

### **The 2015 edition of the ASME Boiler and Pressure Vessel Code**

(As adopted by the Department of Labor and Employment/Boiler Inspection Section) Effective July 1, 2017.

### **The 2017 edition of the National Boiler Inspection Code (NBIC)**

(As adopted by the Department of Labor and Employment/Boiler Inspection Section) Effective July 1, 2017.

### **The 2015 edition of the Controls and Safety Devices for Automatically Fired Boilers CSD-1**

(As adopted by the Department of Labor and Employment/Boiler Inspection Section) Effective July 1, 2017.

### **The 2015 edition of the Boiler and Combustion Systems Hazards Code, NFPA 85**

(As adopted by the Department of Labor and Employment/Boiler Inspection Section) Effective July 1, 2017.

### **The 2013 edition of ASME A17.1 Safety Code for Elevators and Escalators**

(As adopted by the Department of Labor and Employment/Conveyance Section) Effective April 1, 2017

**The 2005 edition of ASME A17.3 Safety Code for Existing Elevators and Escalators**

(As adopted by the Department of Labor and Employment/Conveyance Section)

**The 2011 edition of ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts**

(As adopted by the Department of Labor and Employment/Conveyance)

**The current edition of the Rules and Regulations Governing the Sanitation of Food Service Establishments**

(As adopted by the Department of Public Health and Environment/Colorado State Board of Health)

**The Current edition of ICC/ANSI A117.1, Accessible and Usable Buildings and Facilities**

**As referenced in the adopted edition of the International Building Code.**

Note: Additional codes, standards and appendices may be adopted by the state agencies and institutions in addition to the minimum codes and standards herein adopted by State Buildings Programs.

1. The 2018 edition of the IBC became effective on July 1 of 2019. Consult the state electrical and plumbing boards and the state boiler inspector and conveyance administrator and the Division of Fire Prevention and Control for adoption of current editions and amendments to their codes.
2. Projects should be designed and plans and specifications should be reviewed based upon the approved codes at the time of A/E contract execution. If an agency prefers to design to a different code such as a newer edition of a code that State Buildings Programs has not yet adopted, the agency must contact SBP for approval and then amend the A/E contract with a revised Exhibit C, Approved State Building Codes. Please note that the state plumbing and electrical boards enforce the editions of their codes that are in effect at the time of permitting not design.
3. The state's code review agents, or the State Buildings Programs approved agency building official, shall review all documents for compliance with the codes stipulated herein. Note: The Department of Public Health and Environment, Division of Consumer Protection will review drawings for food service related projects.
4. This policy does not prohibit the application of various life safety codes as established by each agency for specific building types and funding requirements. NFPA 101 and other standards notwithstanding, approved codes will supersede where their minimum requirements are the most restrictive in specific situations. If a conflict arises, contact State Buildings Programs for resolution.
5. It is anticipated that compliance with the federal Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG) and Colorado Revised Statutes Section 9-5-101 will be met by compliance with the 2015 International Building Code and ICC/ANSI A117.1. However, each project may have unique aspects that may require individual attention to these legislated mandates.
6. The 2018 edition of the International Building Code (IBC) is to be applied to factory-built nonresidential structures as established by the Division of Housing within the Department of Local Affairs.

A. **Appendices**

Appendices are provided to supplement the basic provisions of the codes. Approved IBC Appendices are as follows:

1. Mandatory

IBC Appendix Chapter C - Agricultural Buildings  
IBC Appendix Chapter I - Patio Covers

2. Optional  
Any non-mandatory appendix published in the International Building Code may be utilized at the discretion of the agency. Use of an appendix shall be indicated in the project code approach.

**B. Amendments**

1. International Building Code, Chapter 1 as amended

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### CHAPTER 1

#### SCOPE AND ADMINISTRATION

##### PART 1—SCOPE AND APPLICATION

###### SECTION 101 GENERAL

**101.1 Title.** These regulations shall be known as the *Building Code* of the Department of Personnel & Administration/Office of the State Architect (DPA/OSA), hereinafter referred to as “this code”.

**101.2 Scope.** The provisions of this code shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

**Exception:** Detached one- and two-family *dwelling*s and multiple single-family *dwelling*s (*townhouses*) not more than three *stories* above *grade plane* in height with a separate *means of egress* and their accessory structures shall comply with the *International Residential Code*.

**101.2.1 Appendices.** Provisions in the appendices shall not apply unless specifically adopted.

**101.3 Intent.** The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, *means of egress* facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations.

**101.4 Referenced codes.** The other codes listed in Sections 101.4.1 through 101.4.6 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

**101.4.1 Gas.** The provisions of the *International Fuel Gas Code* shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These

requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

**101.4.2 Mechanical.** The provisions of the *International Mechanical Code* shall apply to the installation, alterations, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

**101.4.3 Plumbing.** The provisions of the *International Plumbing Code* shall apply to the installation, *alteration*, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system.

**101.4.6 Energy.** The provisions of the *International Energy Conservation Code* shall apply to all matters governing the design and construction of buildings for energy efficiency.

###### SECTION 102 APPLICABILITY

**102.1 General.** Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

**102.2 Other laws.** The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law.

**102.3 Application of references.** References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

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**102.4 Referenced codes and standards.** The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.4.1 and 102.4.2.

**102.4.1 Conflicts.** Where conflicts occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

**102.4.2. Provisions in referenced codes and standards.** Where the extent of the reference to the referenced code or standard includes subject matter that is within the scope of this code or the International Codes listed in Section 101.4, the provisions of this code or the International Codes listed in Section 101.4, as applicable, shall take precedence over the provisions in the referenced code or standard.

**102.5 Partial invalidity.** In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

**102.6 Existing structures.** The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code or as is deemed necessary by DPA/OSA through its code review agent for the general safety and welfare of the occupants and the public.

## PART 2—ADMINISTRATION AND ENFORCEMENT

### SECTION 104 DUTIES AND POWERS OF BUILDING OFFICIAL

**104.1 General.** DPA/OSA as the building official is hereby authorized and directed to enforce the provisions of this code. DPA/OSA shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall comply with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code. Note that Section 104 of this code is not a delegated responsibility, unless noted otherwise in the *Policies and Procedures: Basic Steps Checklists*.

**104.2 Plan reviews.** DPA/OSA through its code review agent shall review *construction documents* and issue compliance notices for the erection, and *alteration*, demolition and moving of buildings and structures and inspect the premises for which such compliance notices have been issued.

**104.4 Inspections.** DPA/OSA through its code review agent shall make all of the required inspections, or DPA/OSA shall have the authority to accept reports of inspection by *approved agencies* or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such *approved agency* or by the responsible individual. DPA/OSA is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise.

**104.9 Approved materials and equipment.** Materials, equipment and devices *approved* by DPA/OSA through its code review agent shall be constructed and installed in accordance with such approval.

**104.9.1 Used materials and equipment.** The use of used materials which meet the requirements of this code for new materials is permitted. Used equipment and devices shall not be reused unless *approved* by DPA/OSA through its code review agent.

**104.10 Modifications.** Wherever there are practical difficulties involved in carrying out the provisions of this code, DPA/OSA shall have the authority to grant modifications for individual cases, upon application of the owner or owner's representative, provided DPA/OSA shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. Note, this is not a delegated responsibility. The details of action granting modifications shall be recorded and entered in the files of DPA/OSA.

**104.10.1 Flood hazard areas.** DPA/OSA shall not grant modifications to any provision required in *flood hazard areas* as established by Section 1612.3 unless a determination has been made that:

1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render

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the elevation standards of Section 1612 inappropriate.

**2.** A determination that failure to grant the variance would result in exceptional hardship by rendering the lot undevelopable.

**3.** A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, cause fraud on or victimization of the public, or conflict with existing laws or ordinances.

**4.** A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.

**5.** Submission to the applicant of written notice specifying the difference between the *design flood elevation* and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation, and stating that construction below the *design flood elevation* increases risks to life and property.

**104.11 Alternative materials, design and methods of construction and equipment.** The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where DPA/OSA through its code review agent finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, *fire resistance*, durability and safety.

**104.11.1 Research reports.** Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from *approved* sources.

**104.11.2 Tests.** Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, DPA/OSA through its code review agent shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified

in this code or by other recognized test standards. In the absence of recognized and accepted test methods, DPA/OSA through its code review agent shall approve the testing procedures. Tests shall be performed by an *approved agency*.

### SECTION 105 PLAN REVIEWS

**105.1 Required.** Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first contact a DPA/OSA code review agent.

**105.2 Work exempt from plan review.** Exemptions from plan review requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Plan review shall not be required for the following:

#### Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m<sup>2</sup>).
2. Fences not over 6 feet (1829 mm) high.
3. Oil derricks.
4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity does not exceed 5,000 gallons (18 925 L) and the ratio of height to diameter or width does not exceed 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any basement or *story* below and are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.

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8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, do not exceed 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family *dwellings*.
12. Window *awnings* supported by an *exterior wall* that do not project more than 54 inches (1372 mm) from the *exterior wall* and do not require additional support of Groups R-3 and U occupancies.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

### Electrical:

**Repairs and maintenance:** Minor repair work, including the replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles.

**Radio and television transmitting stations:** The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

**Temporary testing systems:** A plan review shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

### Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

### Mechanical:

1. Portable heating appliance.

2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (5 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.

### Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a plan review shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

**105.2.1 Emergency repairs.** Where equipment replacements and repairs must be performed in an emergency, plan review information shall be submitted promptly to DPA/OSA through its code review agent.

**105.2.2 Repairs.** Application or notice to DPA/OSA through its code review agent is not required for ordinary repairs to structures, replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load-bearing support, or the removal or change of any required *means of egress*, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include *addition* to, *alteration* of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader,

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gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

**105.2.3 Public service agencies.** A plan review shall not be required for the installation, *alteration* or repair of generation, transmission, distribution or metering or other related equipment that is under the ownership and control of public service agencies by established right.

**105.4 Validity of compliance notice.** The issuance or granting of a compliance notice shall not be construed to be an approval of any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. The issuance of a compliance notice based on *construction documents* and other data shall not prevent DPA/OSA through its code review agent from requiring the correction of errors in the *construction documents* and other data.

**105.7 Placement of building inspection record.** The building inspection record based on the compliance notice inspection recommendations shall be kept on the site of the work until the completion of the project.

### SECTION 106 FLOOR AND ROOF DESIGN LOADS

**106.1 Live loads posted.** Where the live loads for which each floor or portion thereof of a commercial or industrial building is or has been designed to exceed 50 psf (2.40 kN/m<sup>2</sup>), such design live loads shall be conspicuously posted by the owner in that part of each *story* in which they apply, using durable signs. It shall be unlawful to remove or deface such notices

**106.2 Issuance of notice of approval of occupancy/use.** A notice of approval of occupancy/use required by Section 111 shall not be issued until the floor load signs, required by Section 106.1, have been installed.

**106.3 Restrictions on loading.** It shall be unlawful to place, or cause or permit to be placed, on any floor or roof of a building, structure or portion thereof, a load greater than is permitted by this code.

### SECTION 107 SUBMITTAL DOCUMENTS

**107.1 General.** Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the state of Colorado. Where special conditions exist, DPA/OSA through its code review agent is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

**Exception:** DPA/OSA is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

**107.2 Construction documents.** *Construction documents* shall be in accordance with Sections 107.2.1 through 107.2.5.

**107.2.1 Information on construction documents.** *Construction documents* shall be dimensioned and drawn upon suitable material. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations.

**107.2.2 Fire protection system shop drawings.** Shop drawings for the *fire protection system(s)* shall be submitted to indicate conformance to this code and the *construction documents* and shall be *approved* prior to the start of system installation. Shop drawings shall contain all information as required by the referenced installation standards in Chapter 9.

**107.2.3 Means of egress.** The *construction documents* shall show in sufficient detail the location, construction, size and character of all portions of the *means of egress* including the path of the *exit discharge* to the *public way* in compliance with the provisions of this code. In other than occupancies in Groups R-2, R-3, and I-1, the *construction documents* shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.



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**107.2.4 Exterior wall envelope.** *Construction documents* for all buildings shall describe the *exterior wall envelope* in sufficient detail to determine compliance with this code. The *construction documents* shall provide details of the *exterior wall envelope* as required, including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves or parapets, means of drainage, water-resistive membrane and details around openings.

The *construction documents* shall include manufacturer's installation instructions that provide supporting documentation that the proposed penetration and opening details described in the *construction documents* maintain the weather resistance of the *exterior wall envelope*. The supporting documentation shall fully describe the *exterior wall* system which was tested, where applicable, as well as the test procedure used.

**107.2.5 Site plan.** The *construction documents* submitted with the application for *permit* shall be accompanied by a site plan showing to scale the size and location of new construction and existing structures on the site, distances from *lot lines*, the established street grades and the proposed finished grades and, as applicable, flood hazard areas, floodways, and *design flood* elevations; and it shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. DPA/OSA through its code review agent is authorized to waive or modify the requirement for a site plan when the application for *plan review* is for *alteration* or repair or when otherwise warranted.

**107.2.5.1 Design flood elevations.** Where *design flood* elevations are not specified, they shall be established in accordance with Section 1612.3.1.

**107.3 Examination of documents.** DPA/OSA through its code review agent shall examine or cause to be examined the accompanying submittal documents and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of this code and other pertinent laws or ordinances.

**107.3.3 Phased approval.** DPA/OSA through its code review agent is authorized to issue a compliance notice for the construction of foundations or any other part of a building or structure before the *construction documents* for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such compliance notice for the foundation or other parts of a building or structure shall proceed at the holder's own risk with the building operation and without assurance that a compliance notice for the entire structure will be granted.

### **107.3.4 Design professional in responsible charge.**

#### **107.3.4.1 General.**

The *registered design professional in responsible charge* shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility with the design of the building.

**107.3.4.2 Deferred submittals.** For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the plan review and that are to be submitted to DPA/OSA through its code review agent within a specified period.

Deferral of any submittal items shall have the prior approval of DPA/OSA through its code review agent. The *registered design professional in responsible charge* shall list the deferred submittals on the *construction documents* for review by DPA/OSA through its code review agent.

Documents for deferred submittal items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to DPA/OSA through its code review agent with a notation indicating that the deferred submittal documents have been reviewed and found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until the deferred submittal documents have

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been approved by DPA/OSA through its code review agent.

**107.4 Amended construction documents.** Work shall be installed in accordance with the *approved construction documents*, and any changes made during construction that are not in compliance with the *approved construction documents* shall be resubmitted for approval as an amended set of *construction documents*.

### SECTION 108 TEMPORARY STRUCTURES AND USES

**108.1 General.** DPA/OSA through its code review agent is authorized to issue a compliance notice for temporary structures and temporary uses. Such compliance notice shall be limited as to time of service, but shall not be permitted for more than 180 days. DPA/OSA through its code review agent is authorized to grant extensions for demonstrated cause.

**108.2 Conformance.** Temporary structures and uses shall conform to the structural strength, fire safety, *means of egress*, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure public health, safety and general welfare.

**108.3 Temporary power.** DPA/OSA through its code review agent is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in NFPA 70.

### SECTION 109 FEES

**109.1 Payment of fees.** Refer to DPA/OSA Building Code Compliance Policy.

### SECTION 110 INSPECTIONS

**110.1 General.** Construction or work for which a plan review is required shall be subject to inspection by DPA/OSA through its code review agent and such construction or work shall remain accessible and exposed for inspection purposes until *approved*. Approval as a result of an inspection shall not be construed to be an approval of a

violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the holder of the notice to proceed to cause the work to remain accessible and exposed for inspection purposes. Neither DPA/OSA, its code review agent nor state agency shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

**110.2 Preliminary inspection.** Before issuing a compliance notice, DPA/OSA through its code review agent is authorized to examine or cause to be examined buildings, structures and sites for which an application has been filed.

**110.3 Required inspections.** DPA/OSA through its code review agent, upon notification, shall make the inspections set forth in Sections 110.3.1 through 110.3.10.

#### **110.3.1 Footing and foundation inspection.**

Footing and foundation inspections shall be made after excavations for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection. Materials for the foundation shall be on the job, except where concrete is ready mixed in accordance with ASTM C 94, the concrete need not be on the job.

#### **110.3.2 Concrete slab and under-floor inspection.**

Concrete slab and under-floor inspections shall be made after in-slab or under-floor reinforcing steel and building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

#### **110.3.3 Lowest floor elevation.**

In flood hazard areas, upon placement of the lowest floor, including the basement, and prior to further vertical construction, the elevation certification required in Section 1612.5 shall be submitted to DPA/OSA through its code review agent.

#### **110.3.4 Frame inspection.**

Framing inspections shall be made after the roof deck or sheathing, all framing, *fireblocking* and bracing are in place and pipes, chimneys and vents to be concealed are complete and the rough

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electrical, plumbing, heating wires, pipes and ducts are *approved*.

### **110.3.5 Lath and gypsum board inspection.**

Lath and gypsum board inspections shall be made after lathing and gypsum board, interior and exterior, is in place, but before any plastering is applied or gypsum board joints and fasteners are taped and finished.

**Exception:** Gypsum board that is not part of a fire-resistance-rated assembly or a shear assembly.

**110.3.6 Fire- and smoke-resistant penetrations.** Protection of joints and penetrations in fire-resistance-rated assemblies, *smoke barriers* and smoke partitions shall not be concealed from view until inspected and *approved*.

**110.3.7 Energy efficiency inspections.** Inspections shall be made to determine compliance with Chapter 13 and shall include, but not be limited to, inspections for: envelope insulation *R*- and *U*-values, fenestration *U*-value, duct system *R*-value, and HVAC and water-heating equipment efficiency.

**110.3.8 Other inspections.** In addition to the inspections specified above, DPA/OSA through its code review agent is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code and other laws that are enforced by DPA/OSA.

**110.3.9 Special inspections.** For *special inspections*, see Section 1704.

**110.3.10 Final inspection.** The final inspection shall be made after all work required is completed.

**110.3.10.1 Flood hazard documentation.** If located in a *flood hazard area*, documentation of the elevation of the lowest floor as required in Section 1612.5 shall be submitted to DPA/OSA prior to the final inspection.

**110.4 Inspection agencies.** DPA/OSA through its code review agent is authorized to accept reports of

*approved* inspection agencies, provided such agencies satisfy the requirements as to qualifications and reliability.

**110.5 Inspection requests.** It shall be the duty of the holder of the notice to proceed or their duly authorized agent to notify DPA/OSA through its code review agent when work is ready for inspection. It shall be the duty of the notice to proceed holder to provide access to and means for inspections of such work that are required by this code.

**110.6 Approval required.** Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of DPA/OSA through its code review agent. The code review agent, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the holder of the notice to proceed or his or her agent wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code review agent.

## SECTION 111 CERTIFICATE OF OCCUPANCY

**111.1 Use and occupancy.** No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made, until DPA/OSA has issued a notice of approval of occupancy/use therefor as provided herein. Issuance shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

**Exception:** Notices of approval of occupancy/use are not required for work exempt from plan review under Section 105.2.

**111.3 Temporary occupancy.** DPA/OSA is authorized to issue a temporary notice of approval of occupancy/use for discrete portions of work before the completion of the entire work provided that such portion or portions shall be occupied safely.

## Exhibit A

### A. Referenced Codes

1. While not adopted in entirety, portions of the following codes are referenced in the International Building Code (IBC), the International Mechanical Code (IMC), the International Energy Conservation Code (IECC), the International Plumbing Code (IPC), and the International Fuel Gas Code (IFGC). These following codes would be applied as reference standards.

2018 International Fire Code (IFC)  
2018 International Existing Building Code (IEBC)

### B. Referenced Standards

The IBC, IEBC, IMC, IECC, IPC and IFGC standards shall be utilized to provide specific, or prescriptive, requirements on how to achieve the requirements established in the code. These standards may be unique to the code or may be derived from other established industry standards. Recognized standards may also be used to show compliance with the standard of duty established by the code.

**End of Exhibit A**

**OFFICE OF THE STATE ARCHITECT  
STATE BUILDINGS PROGRAM  
POLICIES AND PROCEDURES**

**CODE COMPLIANCE PLAN REVIEW PROCEDURES**

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1. All construction for state agencies on state-owned or state leased-purchased properties or facilities are to submit design documents for code compliance plan reviews to the UCB Campus Building Official through the UCB Project Manager ~~state's code review Consultants or State Buildings Program (SBP) approved agency building official~~. If a code review Consultant determines that code review is not required, provide an email documenting that fact to be submitted with Exhibit L1. If a state agency leases space in an area where local building codes may not apply, the agency may also follow this process. For a listing of projects that do not require code review, refer to International Building Code section 105.2 and 105.2.2.
2. Upon selection of an Architect/Engineer, a Plan Review Authorization (SBP-017) should be prepared and delivered to the UCB Campus Building Official ~~selected code review Consultant~~. ~~This authorization indicates the project valuation and the review fee authorized. With this authorization, agency shall provide an intended submittal schedule. Reviews for projects submitted to the code review Consultant without a Plan Review Authorization (SBP-017) will not commence until the Consultant receives the prepared authorization form.~~
3. Architect/Engineer shall prepare the project Schematic Design (SD), Design Development (DD), and Construction Document (CD) submittals in accordance with the attached checklists and submit to the code review Consultant. On projects of limited scope where a combined SD/DD or SD/DD/CD submittal is considered appropriate, please consult with the code review Consultant prior to submittal.
4. The code review Consultant will provide a written list of comments addressing issues noted in the review. A response shall be prepared and submitted to the code review Consultant addressing the deficiencies and questions noted in the review. Specifically, state the Consultant's comment followed by the Architect/Engineer's response chronologically. At the Construction Document review, a response shall be prepared and submitted to the code review Consultant within 30 days or a mutually agreed upon timeframe addressing the deficiencies and questions noted in the review.
5. Once all code issues have been satisfactorily addressed, the code review Consultant will issue a Compliance Notice to the submitting agency along with a listing of required inspections and will send a copy to State Buildings Program indicating that the documents appear to be in compliance with code requirements and are appropriate for bidding. On CM/GC projects, a similar process is to be followed through schematic design; however, design development code compliance reviews must be completed on DD documents prior to establishing and accepting a GMP and the Compliance Notice must be issued on CD documents prior to bidding each bid package. If the Compliance Notice is contingent on required modifications to the documents for either lump sum or CM/GC projects, the agency must certify to SBP that the modifications have been incorporated into the documents at the issuance of the Notice to Proceed (SBP-6.26 or SBP-7.26).
6. Review of responses and subsequent preparation of a Compliance Notice received more than 30 days than the mutually agreed upon date, may result in additional services as determined by State Buildings Program. (Note: Withholding all payment for plan review services until a Compliance Notice is issued is not permitted unless the code review Consultant is negligent in providing a timely review of responses submitted within the 30 day or mutually agreed upon timeframe. All disputes concerning delays and payments should be brought to SBP's attention.)
7. Meetings between the agency and/or Architect/Engineer and the code review Consultant may be requested at any time. ~~Such meetings will be considered additional services beyond the authorized~~

~~fee per the discretion of the code review Consultant, at the contracted rates, with a pre-approved top set number encumbered through an approved amendment to the authorization.~~

8. Communication Policy

- a. All communication to the code review Consultant, verbal and written, shall be directed through the assigned reviewer for the code review Consultant. The reviewer will be assigned at the time of initial submittal and all participants will be notified who this individual is.
- b. All communications from the Architect/Engineer shall be directed through an assigned individual in the Architect/Engineer's office. The Architect/Engineer should indicate who the assigned individual will be with the initial submittal.
- c. The code review Consultant may discuss code issues in meetings and/or on the phone. However, it should be understood that these are discussions only and should not be construed to establish the final opinion of the code review Consultant. The codes are complex documents and matters of interpretation and application often require extensive study to establish the code review Consultant's opinions. Only written comments provided by the code review Consultant shall be considered final opinions.
- d. Written review comments will be provided based upon the code review Consultant's reviews of submittals. The code review Consultant will provide detailed reviews of the documents based upon the code review Consultant's understanding of the material presented. It should be noted that an item of code compliance that is not noted with a review and is later discovered would be incorporated with future submittal reviews. Progress submittal reviews should not be considered approved sign-offs of the reviewed documents. The code review Consultant's reviews will not alleviate the Architect/Engineer's responsibility to provide Construction Documents in full compliance with all applicable codes.

9. The code review Consultant will provide reviews in a timely manner. Projects of unusual character or complexity may require more extensive study of various issues and, therefore, more time. The code review Consultant will not compromise the accuracy of reviews to meet a schedule. If schedules dictate, the code review Consultant will provide partial reviews in order to facilitate the design process and supplemental reviews may be provided as appropriate. Submittals from the Architect/Engineer should include detailed delineation in regards to the intended code approach in order to expedite the review process. All submittals shall include the information outlined in the State Buildings Program attached checklists for the appropriate phase of submittal and scope of the project.

10. Request to Change Application of Certain Provisions of the Code (See Section 1.B of SBP Building Code Compliance policy for detailed information on requests for alternative methods, modifications, appeals, and amendments.)

- a. Any variations from basic code compliance shall be clearly documented. Alternative or equivalent methods or materials shall be submitted to the code review Consultant or approved agency building code official for review. The code review Consultant will issue a written opinion of compliance and has the authority to accept, reject or forward the equivalency to State Buildings Program for action. Written opinions for equivalency may be considered additional services and may be billed on an hourly basis at the contracted rates with a pre-approved top set number encumbered through an approved amendment to the authorization.
- b. Modifications from code requirements may be requested from State Buildings Program or approved agency building code official. SBP may request the Agency to get an opinion on the modification request from the code review Consultant who will issue a written opinion. Written opinions for modification requests may be considered additional services and may be billed on an hourly basis at the contracted rates with a pre-approved top set number encumbered through an approved amendment to the authorization.

## Code Review Checklist For Schematic Design Submittal

The following information shall be included in Schematic Design submittal documents for code review purposes. Plans shall include minimum overall dimensions and shall be of sufficient clarity to indicate schematically the location, nature and extent of the proposed work. A title sheet and additional sheets as necessary shall be included and contain the following information:

### 1. GENERAL:

- An outline of submittal requirements as required by the state contract for A/E design services on the project.
- A schematic table of contents listing drawings anticipated to be included in the construction document submittal package.
- Provide an outline of anticipated hazardous materials to be used, stored and probable locations for use and storage.
- Schematic code compliance plan. (See attached example)
- A key plan for additions and renovations indicating the relationship of the project area to the existing building(s).

### 2. BUILDING CLASSIFICATION:

- A. Occupancy Classification:** Compute the floor area and occupant load of the building or portion(s) thereof. See section 1002 and Table 1004.1.2. Indicate the occupancy group(s) which the use of the building or portion(s) thereof most nearly resembles. See sections 301, 303.1, 304.1, 305.1, 306.1, 307.1, 308.1, 309.1, 310.1, 311.1, and 312.1. See section 302 for buildings with mixed occupants and establish if it is to be a separated use or non-separated use. Demonstrate by drawing and/or narrative how the building will conform to the occupancy requirements in Section 303 through 312.
- B. Type of Construction:** Indicate the type of construction proposed for the building. Indicate the building materials proposed and the fire resistance of the parts of the building. See Chapter 6. Demonstrate by drawing and/or narrative how the building will conform to the type of construction requirements in Chapter 6. Indicate if the building is to be fully, partially or non-fire sprinklered.
- C. Location on Property:** Indicate the location of the building on the site and clearances to property lines and/or building on a plot plan. See Tables 601, 602, and 704.8 for fire resistance of exterior walls and opening protection. See Section 503.
- D. Allowable Floor Area:** Indicate the proposed floor area and calculate the allowable floor area for each occupancy in the building. See Table 503 for basic allowable floor area for each occupancy group and type of construction. See Section 506 and 507 for allowable increases based in location on property and installation of an approved automatic fire sprinkler system. See Section 504.2 for allowable floor area of multi-story buildings. Demonstrate by drawing and/or narrative the total allowable and actual proposed floor area.
- E. Height and Number of Stories:** Indicate the height of the building and the number of stories, Section 502.1. See Table 503 for the maximum height and number of stories permitted based on occupancy group and type of construction. See Section 504.2 for

allowable story increased based on the installation of an approved automatic fire-sprinkler system. Include the allowable and proposed height and number of stories in the narrative.

1. Provide a schematic exiting design indicating how exiting from all portions of the building will conform to the requirements of IBC Chapter 10. Indicate proposed occupant load and calculate required exit widths. Indicate proposed rated corridors, stair enclosures, exit passageways, horizontal exits, etc.
  2. Demonstrate how the building will conform with other applicable detailed code regulations in Chapters 4, 7 through 11, 14, 15, 24 through 26, and 30 through 33 by drawing and/or narrative.
  3. In most cases, renovation/addition projects require all the previously requested information, in addition to the following:
    - a. Square footage and locations of areas to be renovated.
    - b. Square footage and occupancy classifications and uses of existing spaces not to be renovated.
    - c. Details of investigations necessary to determine the Type of Construction of the existing building and types and locations of fire resistive construction such as:
      - Area Separation Walls
      - Vertical and Horizontal Occupancy Separations
      - Horizontal Exits
      - Tenant Separations
      - Rated Corridor Construction
    - d. Overall floor plants indicating how exiting from renovated areas interface with all other adjacent areas.
      - \* Note: Verification of required opening protection in fire resistive construction should also be noted.
- **F. Structural Analysis:** Provide sketches and descriptions of proposed structural systems.
- **G. Building Systems:** Provide sketches and descriptions of plumbing, mechanical and electrical systems.
- **H. Building Materials:** Provide an outline of proposed construction materials.



## Code Review Checklist For Design Development Submittal

The following information should be included in Design Development submittal documents for code review purposes. Plans should include overall dimensions, drawn to scale, and should be of sufficient clarity to indicate fully the development of the project's location, nature and extent of the work proposed.

1. Provide the code review SD submittal building classification information and code compliance plan with changes highlighted.
2. Provide Design Development drawings indicating, at a minimum, the following:
  - A. **Site Plan**  
Show property lines, streets, roads, sidewalks, curbs, curb cuts, building location, future additions, existing buildings, driveways, parking lot layout, walks, steps, ramps, fences, gates and walls. Show north arrow. Provide dimensions where yard area increases are proposed and where exterior wall/opening protection may be required.
  - B. **Floor Plans**  
Dimensions: Overall and additional dimensions, as applicable. Show north arrow.  
Rooms: Room names and numbers, and cross references to enlarged plans (as applicable)  
Floors: Floor elevations, ramps, stairs.  
Walls: Indicate existing and new walls. Show fire rated corridors, occupancy separations, area separation, shaft enclosures, etc.  
Doors: Door swings.  
Windows: Indicate fire and human impact labeled assemblies.  
Toilet Rooms: Plumbing fixtures, stalls, and cross references to enlarged plans (as applicable)  
Stairs: Dimension of stairwell, number of risers and treads.  
Miscellaneous Items: Drinking fountains, folding partitions, and elevators.
  - C. **Roof Plan**  
Show roof slopes, crickets and skylights. Show drainage to roof drains, overflow drains, scuppers, etc.
  - D. **Exterior Elevations**  
Show floor elevations, finish grades and vertical dimensions. Show roof slope, door and window locations, indicate all materials.
  - E. **Building Sections**  
Show vertical dimensions relating to floor, ceiling, and roof height. Note and indicate all materials and proposed listed assemblies for fire rated construction.
  - F. **Reflected Ceiling Plan**  
Indicate ceiling materials. Show proposed ceiling layout.
  - G. **Enlarged Floor Plan(s)** (as appropriate)  
Toilet Room Plans: Show plumbing fixtures, stall layout and handicap accessibility.  
Verify plumbing fixture count with code requirements.  
Kitchens: Show kitchen equipment layout.
  - H. **Schedules**

Develop outlines for doors, windows and associated frames.

- I. **Structural Notes**  
Outline to include:  
Live Loads: Floor, stairs, corridors, roof, snow, earthquake and wind.  
Dead Loads: Material weight, mechanical and electrical weight, wet-pipe or dry-pipe fire sprinkler system, and soil bearing pressure.  
Material Strength: Concrete, masonry, steel and wood. Foundation design based on Soils Report.
  - J. **Structural Schematics**  
Provide foundation plan and structural plan that include floor, roof, and wall construction.
  - K. **Mechanical Schematics**  
Show HVAC system layout.  
Show fuel-fired boiler equipment location.  
Show gas service location.  
Show kitchen exhaust hood location.  
Show smoke control system operation narrative/schematic, as applicable.
  - L. **Plumbing Schematics**  
Show water and gas service connections.  
Plumbing Fixtures: Show water closets, urinals, lavatories and drinking fountains.  
Roof Drainage: Show roof drain leader sizes, and overflow drains, etc., as appropriate.
  - M. **Electrical Schematics**  
Show electrical service and electrical panel location(s).  
Show light fixtures layout.
  - N. **Specification Outline**  
Describe structural, mechanical and electrical systems including fire protection.  
Establish specification sections for principle materials and finishes.
3. Remodel/addition projects should additionally indicate interface with existing conditions, and limits of work within the existing building.

## Code Review Checklist for Construction Document Submittal

The following information should be included in Construction Document submittal for code review purposes. Plans should be fully dimensioned and drawn to scale and should be of sufficient clarity to indicate the precise location, nature and extent of the work proposed.

1. Provide the code review DD submittal building classification information and code compliance plan with changes highlighted.
2. Provide an electronic (pdf) version of the construction documents ~~as well as two (2) sets of Construction Documents~~ indicating, at a minimum, the following:
  - A. **Title Sheet**
    - Table of Contents
    - Names of Architect, Engineers and Consultants
    - Building Code Analysis (see Schematic Design submittal requirements)
    - Note Type of Work:
      - 1) New Building
      - 2) Building Addition
      - 3) Alteration/Renovation/Tenant Finish
    - Code Compliance Plan (example: Attachment A)
    - Data Point Connection Chart, if applicable (example: Attachment B)
    - Vicinity Map
    - Identify types and provide amounts and locations of all hazardous materials intended to be stored or used and the type of use as indicated by Table 307.7(1) and 307.7(2). Quantities of all hazardous materials are required to be identified at all locations. List actual quantities and compare to exempt amounts as provided for in Tables 307.7(1) and 307.7(2). Note: Projects with extensive quantities of hazardous materials will be required to submit a Hazardous Materials Management Plan.
  - B. **Site Plan**
    - Property lines, street names, scale, north arrow
    - Building location, setbacks, finish floor elevation, dimensions
    - Contours: Existing and new grades
    - Existing and new paving, parking lot plan
    - Sidewalks, steps, curbs, curb cuts and drives
    - Fences, gates, walls and retaining walls
    - Existing structures, trees and shrubs to remain or to be removed
    - New Landscaping: Trees, shrubs, ground cover
    - Utilities: New and existing
    - Site Details: Handicap curb ramps, signage, etc.
    - Handicap Accessible Routes
  - C. **Floor Plan(s)**
    - Dimensions: Overall, building break, grid lines, room and opening dimensions, north arrow
    - Rooms: Room names and numbers, and cross reference to enlarged plans
    - Floors: Floor elevations, change in materials, ramps, stairs
    - Walls: Indicate existing and new walls, wall types, material and fire rated assemblies
    - Doors: Door swing and number
    - Windows: Indicate mullions

Toilet Rooms: Plumbing fixtures, stalls, floor drains, and cross reference to enlarged plans

Stairs: Dimension of stairwell, show traffic pattern, number of risers and treads, cross reference to stair details

Miscellaneous Items: Fire extinguisher cabinets, access doors, drinking fountains, folding partitions, ladders, lockers, shelving, railings, guardrails, and elevators

Alterations: Existing opening to be infilled and new openings to be cut

□ D. **Roof Plan**

Materials: Type of roofing

Drainage: Roof drains, overflow drains, scuppers, gutters, leaders

Roof pitch to drains showing high point and low point

Crickets, skylights, vents, fans, mechanical equipment, roof access

Miscellaneous: Roof pavers, ladders, splash blocks, ventilation of roof spaces, and expansion joints

□ E. **Exterior Elevations**

Materials: Type of exterior finish

Windows and Doors: Provide window and door openings, dimension height of opening, indicate window and door type

Dimensions: Grid lines, vertical dimensions, floor levels, grade elevations

Miscellaneous: Ladders, louvers, railings, gutters and downspouts

□ F. **Building Sections**

Dimensions: Vertical dimensions relating to floor, ceiling, roof, top of steel

Provide grid lines and cross reference to floor plans

Materials: Note and indicate material as well as listed fire rated assemblies

□ G. **Reflected Ceiling Plan**

Provide ceiling construction. Show ceiling breaks, or change in height

Show ceiling pattern, diffusers, light fixtures, exit signage and access panels

□ H. **Enlarged Floor Plan(s)**

Toilet Room Plans: Plumbing fixtures, stall layout, and handicap accessibility

Verify plumbing fixture count with code requirements.

Kitchens: Kitchen equipment layout

□ I. **Interior Elevations**

Toilet Room Elevations: Plumbing fixture heights and handicap accessibility

Indicate wall finish materials

□ J. **Schedules**

Room Finish Schedule: Show interior finishes

Door Schedule: Door types, sizes and fire rating, door hardware

Window Schedule: Window types, frames, labels, glazing and sizes

□ K. **Architectural Details**

Stairs: Riser and tread dimensions, headroom clearance, and handrail details and attachment details

Guardrails: Height and distance between intermediate rails and attachment details

Ramps: Slope and length and handrails

Wall Types: Fire rated construction, corridor walls, shaft walls, area separation walls, occupancy separation walls. Indicate listed assemblies for fire rated construction.

Specify fire penetration sealants at rated walls.

□ L. **Structural Notes**

Live Loads: Floors, stairs, corridors, roof, snow, earthquake and wind  
Dead Loads: Material weight, mechanical and electrical weight, wet-pipe or dry-pipe fire sprinkler system, and soil bearing pressure  
Material Strength: Concrete, masonry, steel and wood  
Foundation design based on Soils Report. Provide one (1) copy of the Soils/Geotechnical Report.

- M. **Structural Plans**  
Provide Foundation Plan and Structural Framing Plans that include floor, roof, and wall construction
  - N. **Structural Details** (as required)
  - O. **Structural Calculations** (one set)
  - P. **Mechanical Plans**  
Show HVAC system layout  
Show fire damper and fire/smoke damper locations, location of fuel-fired equipment, including type and size of flues, BTUH input, gas pipe sizes  
Provide kitchen exhaust hood size/fire protection, smoke control systems, as applicable
  - Q. **Plumbing Plans**  
Storm sewer, sanitary sewer, water, gas, fire hydrant, catch basin locations  
Water and gas connections  
Plumbing Fixtures: Water closets, urinals, lavatories, and drinking fountains  
Roof Drainage: Roof drain, overflow drain, scuppers, and leader sizes and locations  
Fire sprinkler system and standpipe location and main connections  
List kitchen equipment  
Sand traps, grease traps, etc.  
Plumbing isometrics
  - R. **Electrical Plans**  
Service and distribution equipment location: Electrical service, transformer, electrical meter and panel location  
Exit sign locations, light fixtures layout and emergency lighting  
Electrical outlets and circuits  
Fire alarm/detection system  
Light fixture schedule  
Panelboard circuit schedule/calculations  
One-line diagram
  - S. **Specifications**  
Describe structural, mechanical and electrical systems  
Complete specification sections for principal materials and finishes  
Provide statement of special inspections required
3. Remodel/addition projects should additionally indicate interface with existing conditions and limits of work within the existing building.

(ATTACHMENT A)

**CODE COMPLIANCE PLAN  
(EXAMPLE)**

