

BUILDING PERMIT APPLICATION

COMMERCIAL BUILDING

ALL DRAWINGS MUST BE SEALED BY AN ARCHITECT OR AN ENGINEER

*****Application must be accompanied by complete construction details*****

Commercial: ☐ New Building ☐ Multi-Family ☐ Mixed Use

Municipality (i.e. Borough, Township): _____ Tax Map No: _____

Job Location/911 Address: _____
Street City Zip

Owner Name: _____

Owner Email: _____ Phone Number: _____

Owner Mailing Address: _____
Street City Zip

Principal Contractor: _____ Contractor Phone: _____ HIC #: _____

Contractor Mailing Address: _____
Street City Zip

Design Professional: _____ Phone Number _____

Mailing Address: _____
Street City Zip

Email: _____ Pa License: _____

Alternative Construction Method/Material

Will an alternative construction method or material be used on this project? ☐ Yes ☐ No If "Yes," applicant or design professional must submit a signed statement indicating that the proposed method or material meets the requirements of 34 PA Code § 403.44.

Applicant: ☐ OWNER ☐ ARCHITECT ☐ ENGINEER ☐ CONTRACTOR

COST OF CONSTRUCTION: \$ _____

A. Number of Multi-Family Dwelling Units: _____ Number of Accessible Dwelling Units: _____

B. ELECTRIC

Amp: _____ Power Company: _____ DR: _____

Electrician Name: _____ Electrician Phone Number: _____

C. WATER SUPPLY PROVIDER _____

D. SEWAGE PROVIDER _____

E. GAS PROVIDER _____

F. TYPE OF HEAT: _____

G. FIRE SUPPRESSION: ☐ Full ☐ Partial ☐ None

H. USE GROUP _____

I. TYPE OF CONSTRUCTION _____

J. OCCUPANT LOAD _____

❖ **A copy of the contractor's Certificate of Workers' Compensation or Affidavit of Exemption must be submitted with application.**

The applicant certifies that all information on this application is correct and the work will be completed in accordance with the 'approved' construction documents and PA Act 45 (Uniform Construction Code) and any additional approved building code requirements adopted by the Municipality. The property owner and the applicant assume the responsibility of locating all property lines, setback lines, easements, rights-of-way, flood areas, etc. Issuance of a permit and approval of construction documents shall not be construed as authority to violate, cancel, or set aside any provisions of the codes or ordinances of any Municipality or any other governing body. The applicant certifies he/she understands all the applicable codes, ordinances, and regulations.

Application for a permit shall be made by the owner or lessee of the building or structure, or agent of either or by the registered design professional employed in connection with the proposed work.

I certify that the code administrator or the code administrator's authorized representative shall have the opportunity to enter areas covered by such permit at any reasonable time to enforce the provisions of the code(s) applicable to such permit.

Signature of Owner or Authorized Agent

Print Name of Owner or Authorized Agent

Address

Date

Directions to site:

INTERNAL USE ONLY

Date Received

Signature of Code Official

BUILDING PLAN REQUIREMENTS FOR COMMERCIAL PROJECTS

The following items are required for new commercial projects. Drawings should be drawn to $\frac{1}{4}$ " or $\frac{1}{8}$ " scale and shall provide the necessary information to verify compliance with the building code. **All drawings shall bear the stamp of the design professional responsible for the design, with their signature on the first page of each set of drawings.**

The construction drawings shall be submitted and shall include:

- **Title Page Drawing:** to include the contact information for all design professionals, description of square footage per floor, number of floors, type of construction to be utilized, area modifications utilized, use group classification(s), separation or non-separation of mixed use groups, design occupant load(s), finish materials classification, design codes utilized.
- **Site Plan Drawings:** to include all utility layouts handicap parking & access, designated fire lanes, distance between adjacent structures and property lines.
- **Floor Plan Drawings:** to include the use of all areas, location & types of fire resistant construction, U.L. Listing of fire resistant construction, means of egress components, handicap access.
- **Structural Drawings:** to include the structural design calculations, geo-technical engineering report, uniform live loads, dead loads, roof & snow loads, wind loads, footing, foundation, framing, concrete masonry, wood and steel construction details.
- **Electrical Drawings:** to include all lighting facilities, electrically operated equipment, and electrical circuits required for all service equipment of the building or structure. Drawings should include panel schedules, grounding systems, and wiring methods.
- **Mechanical Drawings:** to include size & type of appliances, construction of flues and chimney systems, ventilation air provided, fresh air make-up provided, location of all ducting and piping.
- **Plumbing Drawings:** to include a plan view and a riser diagram of waste and water piping, pipe sizing, grade of piping, drainage fixture unit loads on stacks and drains, water distribution design criteria.
- **Fire Protection Systems:** to include the submittal guide for each type of system. See specific submittal guide requirements.

CLIMATIC AND DESIGN CRITERIA FOR THE PA UNIFORM CONSTRUCTION CODE

This County does hereby adopt the following climatic and geographic design criteria, in accordance with International Residential Code, 2018; Section R301.2, and Table R301.2(1), said Table being attached hereto:

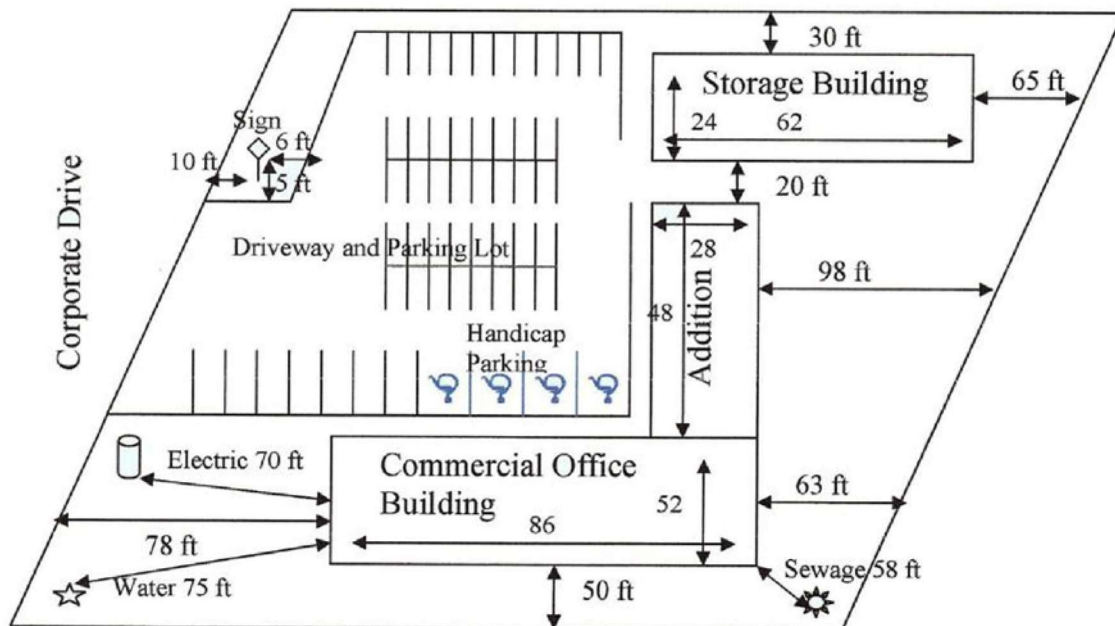
- a. Ground Snow Load is 35 lbs. per square foot
- b. Wind Speed is 90-115 mph depending on exposure area
- c. Seismic Design Category "A"
- d. Weathering – Severe
- e. Frost Line Depth – 36 inches
- f. Termite – Moderate to Heavy
- g. Decay – Slight to Moderate
- h. Winter Design Temperature 0 to 10 Degrees Fahrenheit
- i. Ice Shield Underlayment Required – Yes
- j. Flood Hazard – Reference specific municipal ordinance
- k. Air Freezing Index is 2000
- l. Mean Annual Temperature is 47 Degrees Fahrenheit
- m. Roof Vents shall be a minimum of 16 inches above the roof line

SITE PLAN REQUIREMENTS FOR COMMERCIAL BUILDING PROJECTS

When submitting for a commercial building project there are two different site plans to be submitted. The main site plan is submitted with the rolled drawings.

The following items are to be included on the main site plan:

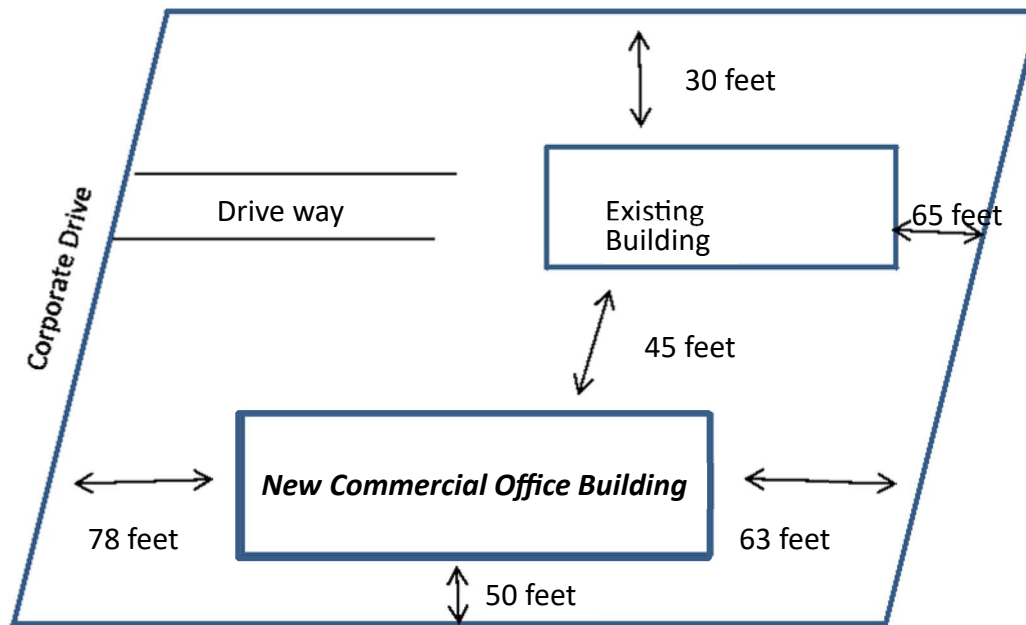
- Location of the building that is being built showing the distance from the property lines, roadway and any adjacent structures
- Show the outside dimensions of the proposed structure
- Handicap parking and access (with dimensions, markings and signage indicated per ICC/ANSI A117.1 and the IBC)
- Show all existing and proposed utility layouts (including water, sewage, and electric)
- Show all existing and proposed driveway layouts and specifics
- Show all required parking and loading spaces and calculations
- Show established street grades and proposed finished grades
- Show accessible curb cuts, ramps and access ways to the building



The second site plan is to be on 8 1/2 x 11 white paper using blue or black ink only, in order to fax to the municipality.

The following items are to be included on the second site plan:

- Location of the building that is being built showing the distance from the property lines, roadway and any adjacent structures
- Show the outside dimensions of the proposed structure
- Show all existing and proposed driveway layouts and specifics



NEW COMMERCIAL BUILDING UCC PLAN REVIEW HANDOUT AND CHECKLIST

Every item below must be checked as completed (if applicable), or marked n/a (if not applicable), as it pertains to your construction project. This form must be completed in its entirety then returned with project submittal package.

Project Name: _____

Project Address: _____

Owner/Agent: _____ **Telephone:** _____ **Design**

Professional Contact Info:

"Section A" - *General Requirements*:

All plans and drawings signed, dated and sealed by the Pennsylvania Licensed Design Professional – Architect or Engineer. **The only exception to the above regulations is when all of the following apply:**

- The proposed work only involves remodeling or renovations of an existing building or structure.
- The proposed work does not contain any structural change to the building or to the means of egress.
- The person preparing the project plans is not compensated for the preparation of the drawings.

All drawings are required to be drawn to scale, be clearly legible and all dimensions shall be indicated.

This procedural checklist is designed as an aid for the plan designer. It is a thorough handout that is provided to help facilitate and expedite the project plan review approval process. It is mandated that all information is completed in its entirety and then submitted with the plan submittal documents. All work performed on the construction project must conform to all of the provisions of the Pennsylvania Uniform Construction Code – Act 45, whether or not depicted on the plan submittal documents.

***Check the item directly below to indicate it is included*:**

☐	Permit Application
☐	Municipal Prior Approval Form
☐	Two full sets of plans including site plans
☐	One set of project specifications

The following checklist information is required to be completed in its entirety then returned with the attached drawings and plan submittal package. Every item must be checked (if applicable), or marked n/a (if not applicable), for your project.

"Section B" - *SITE PLAN*:

☐	Yes	☐	N/A	Site plan must be drawn to a scale of not less than 1"=20', show north arrow and site location map.
☐	Yes	☐	N/A	Show project correct street address, identify all property lines and right of ways, with distance from property lines and adjacent buildings.
☐	Yes	☐	N/A	Show required accessible access routes, ramps and curb cuts.
☐	Yes	☐	N/A	Show all existing and proposed driveway entrances.
☐	Yes	☐	N/A	Identify adjacent land uses and zoning designation.
☐	Yes	☐	N/A	Show all easements, flood areas and required buffers.
☐	Yes	☐	N/A	Show all existing and proposed utilities that serve the project site.
☐	Yes	☐	N/A	Show all existing and proposed finish grades.
☐	Yes	☐	N/A	Show all building elevations, details and sections for proposed project.
☐	Yes	☐	N/A	Show all required parking and loading spaces, including calculations.
☐	Yes	☐	N/A	Show all accessible parking spaces, signage, routes and slopes to conform to the ICC/ANSI A117.1 and the International Building Code.

"Section C" - *ARCHITECTURAL PLANS*:

☐	Yes	☐	N/A	Provide floor plans of every floor on pages not less than 18"x24" drawn to a scale of not less than 1/8" per 1'.
☐	Yes	☐	N/A	Show the square footage of each floor and total of all floors.
☐	Yes	☐	N/A	Provide use group and type of construction for project.
☐	Yes	☐	N/A	Identify names and uses of each room and provide occupant load.
☐	Yes	☐	N/A	Provide calculations for all means of egress widths per the designated occupant load for each floor and total for building exits.
☐	Yes	☐	N/A	Provide total occupant load for entire building.
☐	Yes	☐	N/A	Show elevation and cross-sections denoting overall building height and floor to floor heights.
☐	Yes	☐	N/A	Provide details of all accessible entrances, routes, facilities, equipment, signage and elements.
☐	Yes	☐	N/A	Furnish door and glazing schedules indicating type, size, hardware and fire resistance ratings.
☐	Yes	☐	N/A	Identify and show all fire resistant design assemblies for all building elements. Provide corresponding approvals for all ratings and testing of all assemblies, (i.e. UL).
☐	Yes	☐	N/A	Indicate size and location of portable fire extinguishers.
☐	Yes	☐	N/A	Provide details of all fire rated penetrations per approved testing methods.
☐	Yes	☐	N/A	Provide calculations for percentage of basement below grade areas.
☐	Yes	☐	N/A	Show wall sections with proposed materials, sizes, and methods used.
☐	Yes	☐	N/A	Show fixed seating for assembly areas to determine occupancy posting.
☐	Yes	☐	N/A	Show roof details indicating slopes, drainage methods and calculations.
☐	Yes	☐	N/A	Show proposed plumbing fixtures, include fixture calculations.
☐	Yes	☐	N/A	For masonry construction, provide vapor barrier, flashing and weep hole and brick tie detail. Indicate method for waterproofing.
☐	Yes	☐	N/A	Identify all hazardous materials and control areas. Provide Material Safety Data Sheet for each and required fire resistant barriers and assemblies.
☐	Yes	☐	N/A	Show methods for roof ventilation.
☐	Yes	☐	N/A	Show mezzanine and penthouse construction details.
☐	Yes	☐	N/A	Provide energy code compliance path and all applicable information.

"Section D" - *STRUCTURAL PLANS*:

☐	Yes	☐	N/A	Provide detailed foundation design plans indicating all types, composition, dimensions, elevations and frost protection methods.
☐	Yes	☐	N/A	Provide sub-base and soil analysis data – if required.
☐	Yes	☐	N/A	Provide footing schedule indicating types, sizes and reinforcing methods.
☐	Yes	☐	N/A	Show location and details of grade beams, pilings and column pads.
☐	Yes	☐	N/A	Provide floor slab info indicating type, thickness and reinforcement details.
☐	Yes	☐	N/A	Indicate type, size, and location of reinforcing steel.
☐	Yes	☐	N/A	Provide concrete strength details in accordance with the soil report.
☐	Yes	☐	N/A	Provide schedules for all header and lintel installations.
☐	Yes	☐	N/A	Show all structural components (i.e. beams, joists, girders, trusses) with connections, bearing details, anchoring and fastening methods.
☐	Yes	☐	N/A	Provide code summary of design loads for all building components and elements.
☐	Yes	☐	N/A	Show locations and details for all shear walls, concentrated loads, etc.

"Section E" - *FIRE PROTECTION PLANS*

☐	Yes	☐	N/A	Complete and provide a sprinkler design data sheet on the first page of sprinkler drawings. Indicate Standard used for system design 13, 13R. 13D.
☐	Yes	☐	N/A	Show floor plan for each identified room on each floor with sprinkler piping type, layout, sizes and hanger details. Plans must be approved prior to installation of such system.
☐	Yes	☐	N/A	Show ceiling plans for each room on each floor with sprinkler head type and layout locations.
☐	Yes	☐	N/A	Provide sprinkler system design criteria showing hydraulic calculations, water flow test data, built in safety margin and fire pump summary.
☐	Yes	☐	N/A	Provide approved testing agency details for all fire rated assemblies and penetrations of them.
☐	Yes	☐	N/A	Provide fire alarm riser detail showing connections, tamper switches, backflow prevention devices, etc.
☐	Yes	☐	N/A	Indicate commodity class and high piled storage areas per the International Fire Code.
☐	Yes	☐	N/A	Provide calculations for flow and pressure at each sprinkler head and flow diagram for grid system.

"Section F" - *PLUMBING PLANS*

☐	Yes	☐	N/A	Show a site utilities plan indicating all water and sewer service lines.
☐	Yes	☐	N/A	Provide type and locations of meters, backflow preventers, etc.
☐	Yes	☐	N/A	Show type and location of interceptors applicable to project. Provide flow rate sizing calculations.
☐	Yes	☐	N/A	Provide minimum facilities calculations for project.
☐	Yes	☐	N/A	Provide plumbing plan layout for each floor detailing installation of all piping systems. (i.e. water, gas, sewer, dwv, storm leaders, etc.)
☐	Yes	☐	N/A	Furnish all room names and numbers as well as floor levels on plans.
☐	Yes	☐	N/A	Provide a piping schedule for all materials, sizes, slopes and hanger details.
☐	Yes	☐	N/A	Show the location of all major equipment.
☐	Yes	☐	N/A	Provide fixture schedule include installation details.
☐	Yes	☐	N/A	Identify all fixtures on floor plans and in riser diagrams.
☐	Yes	☐	N/A	Indicate roof drains and scuppers type, location and sizing of each.
☐	Yes	☐	N/A	Show all toilet/bathroom layouts using a minimum of $\frac{1}{4}"=1"$ scale.
☐	Yes	☐	N/A	Show all drinking fountain and eyewash locations.

"Section G" - *MECHANICAL PLANS*:

☐	Yes	☐	N/A	Furnish room names and number for each room and area on every floor.
☐	Yes	☐	N/A	Indicate the type, location and sizes of all mechanical equipment.
☐	Yes	☐	N/A	Indicate location and proper support of roof mounted equipment.
☐	Yes	☐	N/A	Provide mechanical plans of all equipment, piping, ductwork, include schedules, details and schematics necessary for system installation.
☐	Yes	☐	N/A	Show mechanical room layouts in sufficient dimensional scale to verify servicing and clearance requirements.
☐	Yes	☐	N/A	Show sizes and composition of all ductwork.
☐	Yes	☐	N/A	Indicate air distribution devices and show cfm for all supply, return and exhaust equipment.
☐	Yes	☐	N/A	Show the location of all listed and approved fire dampers, smoke dampers and fire doors.
☐	Yes	☐	N/A	Show all existing and new fire rated walls with their ratings. Provide approved manufacturer's penetration installation details.
☐	Yes	☐	N/A	Show the smoke ventilation of atriums and pressurization of high-rise stairwells.
☐	Yes	☐	N/A	Indicate controls for fan shutdown including emergency manual and automatic smoke detection.
☐	Yes	☐	N/A	Show all condensate drain installation from the unit to the point of discharge.
☐	Yes	☐	N/A	Indicate toilet room exhaust requirements.
☐	Yes	☐	N/A	Provide outside air ventilation rate for project per the International Mechanical Code.

"Section H" - *ELECTRICAL PLANS*:

☐	Yes	☐	N/A	Provide panel schedules with circuit and feeder loading, overcurrent protection, and NEC load summaries for all new and affected panels and services. Include fault current data, short circuit ratings and fault current protection coordination.
☐	Yes	☐	N/A	Provide a single line riser diagram showing all new and/or affected services. Indicate feeders, wire sizes and insulation types, and conduit sizes and types.
☐	Yes	☐	N/A	Indicate number of service mains and subpanels. Show their actual physical locations within the project.
☐	Yes	☐	N/A	Indicate the grounding electrode system, including conductor size for new and/or affected services and transformers. Provide details on grounding methods.
☐	Yes	☐	N/A	Show physical locations of all new and/or affected panels and switchgear.
☐	Yes	☐	N/A	Show electrical plans for every affected floor and roof.
☐	Yes	☐	N/A	Provide wiring methods. Indicate conductor and conduit types and sizes.
☐	Yes	☐	N/A	Provide receptacle plans with circuit directory.
☐	Yes	☐	N/A	Provide lighting plans with circuit directory. Show energy code compliance.
☐	Yes	☐	N/A	Indicate the design and operation of all emergency life safety systems such as: generator, smoke detection, egress and emergency lighting, shaft pressurization and relief, and fire alarms.
☐	Yes	☐	N/A	Indicate all patient care areas and provide specific wiring methods to comply with NEC. Provide details and notes.
☐	Yes	☐	N/A	Provide all HVAC equipment and appliances nameplate data.
☐	Yes	☐	N/A	Indicate all motor horse power ratings.
☐	Yes	☐	N/A	Provide submittal statements indicating all equipment and materials are listed and labeled by an approved testing agency or laboratory.

****THIS COMPLETED FORM IS REQUIRED TO BE SUBMITTED WITH THE PROJECT PLANS****