## **Building Permit Packet**

## Commercial

# Borough of Plum



2000 Mike Thomas Way Pittsburgh, PA 15239 (412)795-6800 – phone (412)793-4061 – fax www.plumboro.com

#### **Borough of Plum**

#### **Commercial Building Permit Application**

The following information is taken from the Pennsylvania Uniform Construction Code, Act 45 of 1999.

- Commercial construction A building, structure or facility that is not a residential building. (401.1)
- An owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the
  occupancy of a commercial building, structure, and facility or to erect, install, enlarge, alter, repair, remove,
  convert, or replace any electrical, gas, mechanical, or plumbing system regulated by the Uniform Construction
  Code shall first apply to the building code official and obtain the required permit. (403.42)
- A licensed architect or licensed professional engineer shall prepare the construction documents under the Architects Licensure Law (63 P.S. §§ 34.1 34.22), or the Engineer, Land Surveyor and Geologist Registration Law (63 P.S. §§ 148 158.2). An unlicensed person may prepare design documents for the remodeling or alteration of a building if there is no compensation, and the remodeling or alteration does not relate to additions to the building or changes to the building's structure or means of egress. (403.42a.(c))
- A permit applicant shall identify, on the application, the name and address of the licensed architect or engineer in responsible charge. The permit applicant shall notify the building code official in writing if another licensed architect or engineer assumes responsible charge. (403.42a.(j))
- The permit applicant shall submit construction documents in a format approved by the building code official. Construction documents shall be clear, indicate the location, nature and extent of the work proposed, and show in detail that the work will conform to the Uniform Construction Code. (403.42a.(e))
- A construction code official shall perform inspections to ensure that the construction complies with the approved permit and the Uniform Construction Code. (403.45.(a))
- The permit holder or an authorized agent shall notify the construction code official when work is ready for inspection and provide access for inspection. The work shall remain accessible and exposed for inspection. A construction code official may inspect the construction and equipment only during normal hours at the construction site unless the permit holder or agent requests or agrees to another time. Inspections may be conducted under §403.86 (relating to right of entry to inspect). (403.45.(c))
- A building, structure or facility may not be used or occupied without a certificate of occupancy issued by a building code official. (403.46.(a))

\* The project may require submission to the Planning Commission or Zoning Hearing Board. Contact the Plum Borough Planning Department for verification (412)795-6800.

### Inspections: (412)795-6800 ext. 4504

Borough of Plum Building Inspection Department 2000 Mike Thomas Way Pittsburgh PA 15239

Office Hours:

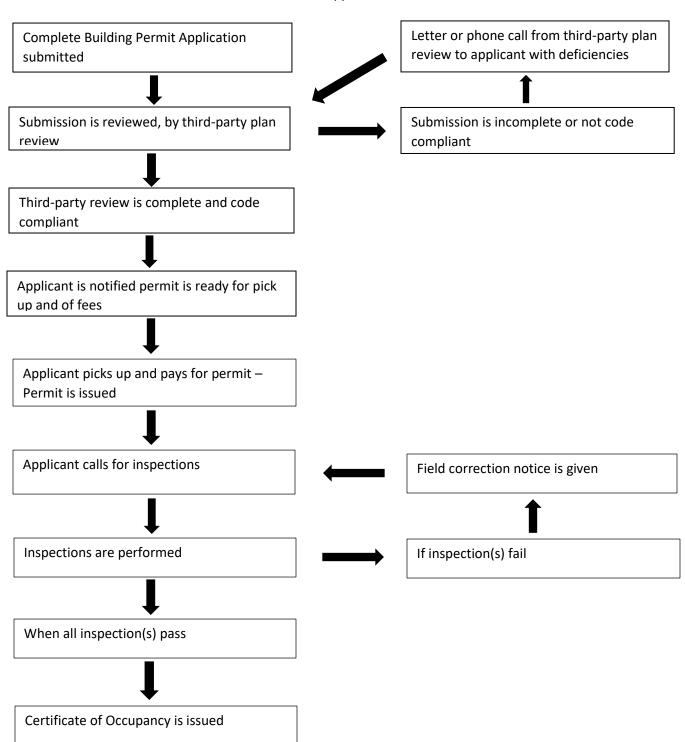
 $\begin{array}{ll} Monday-Thursday & 8:00am-5:00pm \\ Friday & 8:00am-4:00pm \end{array}$ 

- To schedule an inspection please leave a message and include:
  - permit number
  - type of inspection needed
  - your name and phone number
  - date and time of inspection requested
- A member of the Building Inspection Department will return your call to schedule the inspection.
- All inspections require a 48-hour notice.
- No inspections will be conducted before 8:30am.
- No inspections will be conducted after 4:00pm Mon. Thurs. and after 3:00pm on Friday
- No inspections will be conducted on Saturdays or Sundays
- The approved drawings shall be on site at the time of **all** inspections.
- o Inspections are required by the Uniform Construction Code
- o Failure to obtain the required inspections is a violation
- Violations are subject to fines
- A representative in charge, either the property owner or the principal contractor, shall be at all inspections. We will not instruct sub-contractors.
- Alarmed key boxes are required on all buildings exceeding 5000 sq. ft., both new construction and change of
  ownership on existing buildings (Plum Borough Ordinance #708-03). The code official shall approve the type,
  location, key requirement, and key distribution. The box must show an alarm when opened or removed from its
  installation. The box shall be connected to Central Command Station if installed.
- The applicant must notify the Plum Municipal Authority of the intent to construct and verify the need for sewer or water taps. (412)793-7331
- Allegheny County Health Department Plumbing Division shall review all plumbing plans and conduct all plumbing inspections. Plans should include Use Group – Type of Construction - Occupant Load.
- A permit becomes invalid unless the authorized construction work begins within 180 days after the permit's
  issuance or if the authorized construction work permit is suspended or abandoned for 180 days after the work
  has commenced. A permit holder may submit a written request for an extension of time to commence
  construction for just cause. The building code official may grant extensions of time in writing. A permit may be
  valid for no more than 5 years from its issue date. (PA UCC 403.43)

#### **Permitting Process:**

- The applicant submits a completed application and all required information to the Borough
- Borough of Plum sends the submission to third party plan review for UCC and Borough Ordinance compliance
- The applicant is contacted, by plan review, if the submission is incomplete or more information is necessary
- The applicant is notified of permit fee amount once application is approved
- Applicant pays permit fee and obtains the permit
- Applicant contacts the Borough for required inspections
- A Certificate of Occupancy is issued by the Borough after all inspections are successfully completed

#### **Permit Application Flow Chart**



### **Application Submission Requirements**

	1	Completed Commercial Building Permit Application.
	2	(2) - Sets of licensed architect or licensed professional engineer construction documents, along with the corresponding building plan submission checklist.
	3	(2) - Site plan that is drawn to scale.
	4	Certificate of Insurance – Proof of workman's compensation insurance.
		* If the contractor doing the work does not have workman's compensation insurance, a completed and notarized Affidavit of Exemption is required.
	5	Projects that access a State Highway or State Road will require a Department of Transportation highway access permit prior to applying to Plum Borough. (412)429-4803
	_	Il be sealed, signed, and dated by a design professional (licensed architect or engineer). The <u>only</u> en all the following apply:
a.	The propo	sed work only involves remodeling or alterations of an existing building or structure.
b.	. The propo	osed work does not change the building's structure or means of egress.
c.	The perso	n preparing the plans is not compensated for the preparation of the drawings.

\*All items must be submitted together, and all required information must be given. Incomplete submissions will be

returned to the applicant and will result in delays to the permitting process.

Building Plan Submission Requirements for Existing Buildings:						
			□ Alterations	□ Renovations	☐ Small Additions	☐ Change of Occupancy
with d	raw		de all information on	this form. Each item	should be checked off an	d this form must be returned
Checkl	<ol> <li>3.</li> <li>b.</li> <li>c.</li> <li>f.</li> <li>g.</li> <li>h.</li> <li>i.</li> </ol>	design so to include all compliance. An unlicent change of plan must Plans must equals one All floor plate layout and Elevations Typical walt portions of Designate All stairward Direction of Emergency plans or with Dimension Indicate by For all projections.	chat any questions raportions of the build e path (ie: IBC Chaptesed person may submuse, structural or egrous be sealed by a Pennse be submitted on page foot. The following ans including basemed detail of all structurator all sides of the build-section to indicate of building on plan. all fire walls and sepages, stair towers, rampe swing for all doors are lighting systems, fire ith the drawings submiss of all areas and rooulding means of egree ects that contain plume	ised in the plan reviewing affected by any cher 34 or existing building the plans for alteration ress changes. When strylvania Registered Arctor not less than 15" be information (if applicant (both existing floor al elements. Iding (existing building type of construction. It is a plant that the type of fire does a larm systems, or fire mitted before approvants of building. Designess, exit arrangement and the type of the does alarm systems.	may be expeditiously addinge of use or alteration plang code). Designate level is if there is no compensate amped plans are required thitect or Engineer. It is and drawn to able to project) must be stiplan and revisions must be stiplan and revisi	oroject. Provide code of work as per code. cion involved and there are no l, each sheet of the submission of a scale of not less than 1/8" nown on submitted plans: oe included). Provide overview aphs of all sides). ction and use group for all ired by regulation. shall be completely shown on ed. ch room and entire building.
	j. k.	Exit signs an Handicapp	ed accessibility provi	ghting, including powe		

- The above requirements indicate the minimum submission information required to comply with Section 403.42a.(b) of the PA Uniform Construction Code (UCC). This information is vital to provide adequate data for a thorough plan review submission.
- Section 403.42a.(I) "A building code official may not waive the submission of site plans that relate to accessibility requirements."

Building	Plan Submission Requirements for:					
	□ New Buildings/Structures □ Additions □ Renovation Projects					
_	Drawings must include all information on this form. Each item should be checked off and this form must be returned with drawings.					
Checklist	:					
Site Plans	s:					
	f. Show all existing and proposed driveway entrances. g. Identify adjacent land uses and zoning. h. Show all easements, flood ways and required buffers.					
Architect	cural Plans:					
	a. Show architectural floor plans of each floor. These pages must be at least 18" x 24" in size (but not more than 36" x 42"), drawn to a scale of not less than 1/8" = 1'. Indicate (or reproduce) the approved, tested hourly rating, number and location of all rated members and assemblies (walls, columns, beams, floor and ceiling, and ceiling and roof-rated design assemblies). Show all fire-rated walls (both existing and new) with their ratings, if not shown elsewhere. Indicate draft stopping and fire blocking details when required Drawings submitted without required fire-rated walls shown will be rejected.					
	b. Show the square footage of each floor on the corresponding floor plans.					
	<ul><li>e. Provide separate drawing showing all accessibility details applicable to the project.</li><li>f. Furnish door schedule(s), including size, type, rating (if any) and hardware.</li><li>g. Provide interior finish data as per IBC Chapter 8.</li></ul>					
	i. Show elevations with dimensions defining overall building height, floor-to-floor heights, or heights to ridge and eave as applicable to the type of building construction listed on the UCC application. (Note: Where an existing building is involved, photographs of all sides of the building may be submitted to show all elevations. These will be acceptable only if they show all elements necessary to determine compliance with the UCC.)					
	j. Provide basement percentage-below-grade calculations.					
	<ul><li>k. Indicate roof slopes, drainage system and sized through wall scuppers, if applicable to the project.</li><li>l. Show fixed seating for assembly occupancy to allow determination of occupancy posting required by the International Building Code.</li></ul>					
	<ul><li>m. Show wall sections with proposed material sizes, construction, and fire-rated assemblies.</li><li>n. Show proposed plumbing fixtures and privacy screens on the plans.</li></ul>					

	<ul> <li>o. If masonry construction is proposed, include the following information:</li> <li> Type of brick ties and spacing of weep holes.</li> <li> Control joints.</li> </ul>
	<ul> <li>Placement of wall flashing and reinforcement.</li> <li>p. If appropriate for the proposed occupancy, plans should identify all hazardous material control areas, fire barriers and the required fire-resistance ratings for these barriers. All identified control areas shall list the name, class, quantity, and method of storage of all hazardous materials processed, manufactured, or used in a manufacturing process and contained within its fire barriers. Provide a Material Safety Data Sheet for</li> </ul>
	each listed hazardous material. See sections 414 and 415 of the International Building Code.  q. Show the floor slab vapor barrier.
	q. Show the noof stab vapor barrier r. Show foundation water-proofing, if applicable.
	s. All penetrations of fire-rated construction must be per manufacturer's details. The details shall meet or exceed the rating of construction being penetrated. The penetration details shall be exactly as tested by a approved testing laboratory or agency and shall include their system numbers. New penetrations of existing fire-rated walls and assemblies shall be shown with appropriate designs.
	t. Show penthouse drawings.
	u. Provide on the drawings the calculations for the means of egress widths for the entire floor occupancy loa and the existing capacity of all exits including all stairs, doors, corridors, and ramped exits.
	v. Show required ventilation louvers and vent sizes.
	w. Provide all applicable International Energy Conservation Code compliance data on the Building Code
	Summary sheet on the electrical plans.  x. Show occupancy hazard classification, size, type, and location of all fire extinguishers.
Structi	ural Plans:
	a. Show foundation plans indicating the proposed slab elevations and type of foundation (i.e., mat
	foundation, caissons, spread footings, etc.).
	b. Provide preliminary soil analysis data done by a licensed engineer, if required.
	c. Indicate dimensions of foundations.
	d. Show type, size and location of piling and pile caps for pile foundation.
	e. Indicate grade beam sizes.
	f. Indicate a footing schedule defining footing sizes and the required reinforcing.
	g. Show the established footing depth below grade and method of frost protection allowed in section 1805.2.1 of the International Building Code.
	h. Indicate the thickness of the floor slab, size of reinforcing, slab elevations, and type and details of
	foundations.
	i. Indicate location, size, and amount of reinforcing steel.
	j. Show foundation corner reinforcing bars and minimum overlapping (as applicable to project structure).
	k. Provide strength of concrete according to designed soil reports.
	I. Show beams, joists, girders, rafters, and/or truss layouts and details of connections, structural steel stud gage, gage size, and connections.
	m. Indicate the sizes and species of all wood members and their respective design strength.
	o. Provide a complete lintel schedule.
	p. Indicate the type of anchoring for steel bearing directly on masonry.
	<ul> <li>q. Indicate design dead and live, wind, snow, seismic loads for floor areas, roofs, balconies, porches, breezeways, corridors, stairs, mezzanines, and platforms. Show concentrated loads, i.e file rooms,</li> </ul>
	machinery, and forklift areas if greater than those shown on the Code Summary Sheet. Identify sheer walls
	bracing, strapping fastening, reinforcement, and any special anchoring required.
	r. Where applicable indicate on roof framing plan where concentrated loads (mechanical equipment, cranes,
	etc.) will be placed. s. Indicate on foundation and framing plans the location and lateral load resisting system. (Show walls,
	5. maicate on roundation and naming plans the location and lateral load resisting system. Uniow Walls.

braced frames, moment connections, etc.)

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<ul> <li>b. Show floor plans for each floor materials, doors, walls, and room often, these shop drawings are in "NA", but note the following:</li> <li>These shop drawings must be projected installation date.</li> <li>Failure to obtain approval of</li> </ul>	not available at the time of initial plan submission. If this is the case, write e submitted for review and approval at least two weeks before the these drawings before installation could result not only in delay of the final a occupancy permit, but also in removal and reconstruction of installations
identities.  d. Verify system design by providi  Recent water flow test  10 percent safety marg  Type of back-flow prev	r head(s) layout, walls, soffits, openings, doors, dimensions, and rooming hydraulic calculations along with the following:  in enter or reduced pressure zone showing equivalent foot loss
breezeways, if applicable.  g. Indicate the certified testing lab and/or affected rated members rated assemblies). Show all new h. All penetrations of fire-rated context exceed ratings of construction be certified testing laboratory or again existing fire-rated walls and assemblies.  i. Provide a fire alarm riser showing Show tamper switches on both j. Indicate commodity class (per see the plans").  k. Provide Material Safety Data Shell Plans").  l. Where special temperature-rates	m used (e.g., 13, 13D, or 13R) n as apartments and condominiums, show sprinkler head locations at oratory agency (e.g., U.L.), their test number and hourly ratings of all new and assemblies (i.e., columns, beams, floor/ceiling, and ceiling/roof fire orand/or affected fire-rated walls with their ratings, if not shown elsewhere. Instruction must be per manufacturer's details. Details shall meet or being penetrated. Penetration details shall be exactly as tested by a gency and shall include their system numbers. All new penetrations of emblies shall be shown with appropriate designs. The geometrion to a UL-approved central station. OS and Y valves of backflow prevention device, unless shown elsewhere. The extension 2303 of the International Fire Code) and height of any storage. The extension are required, show sprinkler type(s) per and or high-temperature sprinklers are required, show sprinkler type(s) per and or high-temperature sprinklers are required, show sprinkler type(s) per and or high-temperature sprinklers are required, show sprinkler type(s) per
new buildings and additions to existing bu	e fire systems should be designed with a 10 percent safety margin for all ildings. Calculations for hydraulic systems should include:
<ul><li>a. Flow and pressure at each flow</li><li>b. Flow diagram for a grid system</li></ul> Mechanical Plans:	ng sprinkler head
<ul><li>a. Show all required wall louvers,</li><li>b. Indicate roof-mounted equipment</li><li>c. Show all mechanical equipment</li><li>plan.</li></ul>	

	_ d. Provide mechanical plans for each floor and the roof. These shall show the ductwork layouts, schedule
	notes, legends, piping schematics, and details necessary to define the system being installed.
	e. Show calculations and totals for combustion air requirements.
	f. Indicate all air distribution devices and show total cfm of each unit for all supply, return and exhaust
	devices.
	g. Indicate the location of all equipment components required for a complete system. Include thermostat
	controls.
	_ j. Indicate toilet exhaust requirements.
	k. Show mechanical room layouts at sufficient scale for dimensions and details to be ascertained.
	_ I. Show the size of duct runs.
	m. Indicate controls for fan shutdown: emergency manual and automatic smoke detection.
	doors.
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	mechanical plans.
	_ t. Show calculation and methods used for each room for ventilation.
	u. Provide gas piping layout on the floor plan for each floor. If it is a multi-story building, all gas piping shall
	be shown per floor. Include pipe sizes, water column, and type of material. Provide a schedule of
	connected equipment, total BTUH demand, total equivalent length, and most remote gas appliance. Show
	method used and calculation for gas pipe sizing.
	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Electric	al Plans:
	a. Provide panel schedules with circuit and feeder loading, overcurrent protection, and NEC load summaries
	for all new and/or affected panels and services (loading must be evaluated by highest phase); include fault
	current data, short circuit ratings and fault current protection coordination.
	b. Provide a single line riser diagram showing all new and/or affected services, feeders, wire sizes and
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 n. Indicate the certified testing laboratory or agency (e.g., UL), their test # and hourly ratings of all new
and/or affected rated members and assemblies (i.e., columns, beams, floor/ceiling, and ceiling/roof-rated
design assemblies). Show all new and/or affected fire-rated walls with their ratings, if not shown
elsewhere.
 o. All penetrations of fire-rated construction must be per manufacturer's details. The details shall meet or
exceed ratings of construction being penetrated. Penetration details shall be exactly as tested by an
approved testing laboratory or agency and shall include their system numbers. New penetrations of
existing fire-rated walls and assemblies shall be shown with appropriate designs.
p. All submittals should include a listing and labeling statement. (All electrical materials, devices, appliances,
and equipment shall be labeled by a certified testing laboratory or agency.)



# Borough of Plum Commercial Building Permit Application

<ul><li>□ New Building</li><li>□ Relocation</li><li>□ Fire</li></ul>	☐ Addition ☐ Use	☐ Alteration☐ Plumbing	•	anical 🗆	Demolit Electrica		
LOCATION OF PROP			Lo	ot & Block			
City		State	 Zip				
BUILDING INFO:							
Cost:		No. of Stories:		Total Sq. F	t.:		
Use Group:		Construction Type:		Occupancy	/ Load:		
Code Used:		☐ New Building ☐ Ex	kisting Building				
ZONING INFO:							
Zoning District:		Zoning Use:		□ Permitted Use □ Conditional Use			
OWNED.							
Addross				Stato			
		City Phone					
E-Mail			1 ax			<del></del>	
Address		City		State	 7in	•	
		Phone					
E-Mail							
Address	_	City		State	 7ip		
Phone	Cell F	Phone	Fax			<del></del>	
THE ABOVE INFORMATIO	N SUBMITTED IS TRUE	AND CORRECT. I HEREBY AGR ALL BE COMPLIED WITH WHE			HE BOROU	JGH'S ZONING	
		Owner (Please	Print)				
		Owner's Signa	ture				
APPROVED BY:							
Zoni	ng Official			Buildin	g Official		



# Borough of Plum Affidavit of Exemption

Commonw	vealth of Pennsylvania	)				
County of		)SS:			2000 Mike Thomas Way Pittsburgh PA 15239 Ph: (412)795-6800 Fax: (412) 793-4061	
	"WORKERS' CON	ИPENSATI	ON INSURANCI	E COVERAGE II	NFORMATION"	
proof of wo		rance prior t	o issuing a Building	Permit or to requ	quires all municipalities to require ire an "affidavit" stating the rance.	
A.	The Contractor is with	in the mear	ning of the Pennsy	ylvania Workers'	Compensation Law:	
	yes If the contractor has W the contractor's Certifi If "yes" is checked here	cate of Insu	rance showing pr	oof of coverage.	ride The Borough of Plum with	
В.	THIS FORM NOTARIZE	• •	<b>or</b> the homeown	er is doing the w	ork, check "yes" here and <b>HAVE</b>	
	yesno					
C.	Religious exemption un		nnsylvania Worke	rs' Compensatio	n Law, check "yes" here and	
	yesno	ARIZED.				
Subscribed	d and sworn before me	on this	day of	, of		
			Notary (plea	se print)		
			Signature of	Notary		
(seal)						
					Applicant's Name (please print)	
					Applicant's Signature	