

# CITY OF LANGLEY

## BUILDING PERMIT APPLICATION – RESIDENTIAL

### Section 1- Property Owner

Name \_\_\_\_\_ Phone \_\_\_\_\_ email \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Property Address \_\_\_\_\_ Parcel No. \_\_\_\_\_

### Section 2- Contractor

Name \_\_\_\_\_ Phone \_\_\_\_\_ email \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 State License No. \_\_\_\_\_ Expiration Date \_\_\_\_\_  
 City of Langley Contractor License No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

### Section 3- Owner/Contractor

Statement of Contractor Verification – I hereby insist that the project referenced above will not require the use of a registered contractor. I acknowledge receipt of the State of Washington Department of Labor and Industries publication "Before Hiring A Contractor." If after issuance of this permit, I decide to employ members of more than one trade for this project, I recognize that Washington State law requires all contractors to be registered. I understand that there are risks and liabilities involved when using an unregistered contractor. I have read RCW 18.27.010 relating to definitions of general and specialty contractors and RCW 18.27.110, which prohibits issuance of permits without proof of contractor registration.

### OWNER/CONTRACTOR SIGNATURE \_\_\_\_\_

### Section 4- Project Information

Description Of Work Proposed \_\_\_\_\_

Vacant (Y)(N) Existing Lot Coverage\* \_\_\_\_\_ sf. Proposed Total Lot Coverage \_\_\_\_\_ sf  
 Zoning \_\_\_\_\_ Lot Area \_\_\_\_\_ sf.

New Construction ( ) Remodel ( ) Addition to Existing ( ) New Detached Accessory Building ( )

Demolition ( ) Deck or Porch Addition ( ) Re-Roof ( ) Skylight or Window Modification ( )

Sewer\*\*-- Existing Service ( ) New Service ( ) Existing Septic ( )\*\*\*\* New Septic ( )\*\*\*\*

Water\*\*\*--Existing Service ( ) New Service ( ) Driveway Access--Existing ( ) New ( )

\* Lot coverage includes all structures, roof overhang, decks, porches, walks and driveways (not gravel)

\*\* Submit a sewer application for new service or alteration...Submit approved septic permits and as-builts for all septic systems

\*\*\*Submit a water application for new service or alteration

\*\*\*\*Submit Soil Data Logs, approved septic design and approved as-builts.

I certify under penalty of perjury that the information furnished by me is true and correct to the best of my knowledge and, further that I am authorized by the owner of the above premises to perform the work for which the application is made. I further agree to save harmless the City of Langley as to any claim (including costs, expenses, and attorney fees incurred in investigation and defense of such claim), which may be made by any person, including the undersigned, and filed against the City of Langley, but only where such claim arises out of the reliance of the city, including its officers and employees, upon the accuracy of the information supplied the city as part of this application.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

Revised 7/1/02

|                             |                     |
|-----------------------------|---------------------|
| <b>OFFICE USE ONLY</b>      | Date Received _____ |
| Application Accepted _____  |                     |
| Construction Value _____    |                     |
| Plan Review Fee _____       | Paid _____          |
| Approved for Issuance _____ |                     |

# CITY OF LANGLEY

## BUILDING PERMIT APPLICATION – PLUMBING/MECHANICAL

### Section 1- Property Owner

Name \_\_\_\_\_ Phone \_\_\_\_\_ email \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Property Address \_\_\_\_\_ Parcel No. \_\_\_\_\_  
 Tenant Name \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

### Section 3- Contractor

Name \_\_\_\_\_ Phone \_\_\_\_\_ email \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 State License No. \_\_\_\_\_ Expiration Date \_\_\_\_\_  
 City of Langley Contractor License No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

### Plumbing and Mechanical Fixtures and Appliances

#### List Total Number of Fixtures per Type

|   |  |
|---|--|
| Water Closet _____ X \$7.00 = \$ _____        | Furnances ≤100,000 Btu/h _____ X \$15.00= \$ _____             |
| Bath Tub _____ X \$7.00 = \$ _____            | Furnances >100,000 Btu/h _____ X \$18.00= \$ _____             |
| Lavatory _____ X \$7.00 = \$ _____            | Furnances –Floor _____ X \$15.00= \$ _____                     |
| Shower _____ X \$7.00 = \$ _____              | Suspended, Recessed or Unit Heater<br>_____ X \$15.00=\$ _____ |
| Kitchen Sink _____ X \$7.00 = \$ _____        | Appliance Vents _____ X \$7.00= \$ _____                       |
| Dishwasher _____ X \$7.00 = \$ _____          | Repairs or Additions _____ X \$14.00=\$ _____                  |
| Laundry Sink _____ X \$7.00 = \$ _____        | Boiler or Compressor ≤3hp _____ X \$15.00=\$ _____             |
| Clothes Washer _____ X \$7.00 = \$ _____      | Boiler or Compressor >3hp ≤ 15hp<br>_____ X 27.00=\$ _____     |
| Water Heater _____ X \$7.00 = \$ _____        | Boiler or Compressor >15hp<br>_____ X _____=\$ _____           |
| Urinal _____ X \$7.00 = \$ _____              | Absorption System _____ X _____=\$ _____                       |
| Drinking Fountain _____ X \$7.00 = \$ _____   | Air Handler ≤ 10,000cfm _____ X \$11.00=\$ _____               |
| Floor Sink or Drain _____ X \$7.00 = \$ _____ | Air Handler > 10,000cfm _____ X \$18.00=\$ _____               |
| Mop Sink _____ X \$7.00 = \$ _____            | Ventilation Fan _____ X \$ 7.00= \$ _____                      |
| Building Sewer _____ X \$15.00 = \$ _____     | Ventilation System _____ X\$11.00=\$ _____                     |
| Waste Interceptor _____ X \$7.00 = \$ _____   | Hoods _____ X\$11.00=\$ _____                                  |
| Repairs and Additions \$10.00=\$ _____        | Gas Piping (1 to 4 outlets) _____ X \$5.00= \$ _____           |
| Vacuum Breakers                               | Propane Tanks _____ X \$11.00=\$ _____                         |
| 1-5 _____ \$5.00 = \$ _____                   | Other _____ X\$ _____=\$ _____                                 |
| Over 5 _____ X \$1.00= \$ _____               | Mechanical Permit Fee \$ 23.50                                 |
| Lawn Sprinkler Sys X \$7.00 = \$ _____        | TOTAL MECHANICAL \$ _____                                      |
| Plumbing Permit Fee \$ 20.00                  |  |
| TOTAL PLUMBING \$ _____                       |  |

**Description of Systems**

Primary Heat Source: Electric LP Gas Oil Other \_\_\_\_\_

Secondary Heat Source: Electric LP Gas Oil Other \_\_\_\_\_

**Ducted Systems:**

Forced Air Furnance: Size \_\_\_\_\_ btu/kw

Heat Pump \_\_\_\_\_

**Gravity or Non-ducted Forced Air Systems:**

Wall Heater: Size \_\_\_\_\_ btu/kw

Baseboard Radiant Heating \_\_\_\_\_ btu/kw

Radiator \_\_\_\_\_ btu/kw

Stove \_\_\_\_\_ btu/kw

**Hydronic Radiant Heating:**

Boiler \_\_\_\_\_ btu/kw

Combi-Core \_\_\_\_\_ btu/kw

Hot Water Heater \_\_\_\_\_ btu/kw

**Ventilation Systems:**

Describe system:

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**Solar or Geothermal:**

Describe system:

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**Hood Suppression System**

Describe system:

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**Overhead Glazing**

| Plan ID | Component Description | Ref. | Glazing U |
|---------|-----------------------|------|-----------|
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |
|         |                       |      |           |

| Qt. | Width |      | Height |      |
|-----|-------|------|--------|------|
|     | Feet  | Inch | Feet   | Inch |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |

| Area | UA |
|------|----|
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |
|      |    |

Sum of Area and UA  
 Area Weighted U = UA/Area

|  |  |
|--|--|
|  |  |
|  |  |

**Single Glazing and Garden Windows Section 602.7.2 Exception**

| Plan ID | Component Description |
|---------|-----------------------|
|         |                       |
|         |                       |
|         |                       |
|         |                       |

| Qt. | Width |      | Height |      |
|-----|-------|------|--------|------|
|     | Feet  | Inch | Feet   | Inch |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |
|     |       |      |        |      |

| Area |
|------|
|      |
|      |
|      |
|      |
|      |
|      |
|      |
|      |
|      |
|      |

Sum of Area  
 Sum of Area X 3 (enter this value in the glazing area total)  
 Glazing UA for Heating System Size Only = Area X 1.2

# Simple Heating System Size: Climate Zone 1

Project Information

Contact Information

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|  |
|  |
|  |

Indoor Design Temperature 70  
 Outdoor Design Temperature 27

Design Temperature Difference  
 Indoor - Outdoor Design Temp 43

Conditioned Floor Area    
 Conditioned Volume  

## Glazing

Copy Sum of UA from Glazing Schedule  

| Attic         | U-Factor | X | Area | = | UA |
|---------------|----------|---|------|---|----|
| R-38          | 0.031    |   |      |   |    |
| R-38 Scissor  | 0.035    |   |      |   |    |
| R-38 Advanced | 0.026    |   |      |   |    |
|               |          |   |      |   |    |

| Single Rafter Joist | U-Factor | X | Area | = | UA |
|---------------------|----------|---|------|---|----|
| R-30                | 0.034    |   |      |   |    |
| R-38                | 0.027    |   |      |   |    |
|                     |          |   |      |   |    |

| Above Grade Walls | U-Factor | X | Area | = | UA |
|-------------------|----------|---|------|---|----|
| R-21              | 0.057    |   |      |   |    |
|                   |          |   |      |   |    |

| Floors | U-Factor | X | Area | = | UA |
|--------|----------|---|------|---|----|
| R-30   | 0.029    |   |      |   |    |
|        |          |   |      |   |    |

| Below Grade Walls | U-Factor | X | Area | = | UA |
|-------------------|----------|---|------|---|----|
| R-21 interior     | 0.037    |   |      |   |    |
| R-10 exterior     | 0.056    |   |      |   |    |
|                   |          |   |      |   |    |

| Slab Below Grade    | F-factor | X | Length | = | UA |
|---------------------|----------|---|--------|---|----|
| R-21 interior walls | 0.57     |   |        |   |    |
| R-10 exterior walls | 0.42     |   |        |   |    |
|                     |          |   |        |   |    |

| Slab on Grade      | F-factor | X | Length | = | UA |
|--------------------|----------|---|--------|---|----|
| R-10 perimeter     | 0.54     |   |        |   |    |
| R-10 Full - Heated | 0.51     |   |        |   |    |
|                    |          |   |        |   |    |

Sum of UA  

Envelope Heat Load   Btu / Hour

Sum of UA X Design Temperature Difference

Air Leakage Heat Load   Btu / Hour

((Volume X 0.6) X Design Outdoor Temp) X .018))

Building Design Heat Load   Btu / Hour

Air Leakage + Envelope Heat Loss

Building and Duct Heat Load 1   Btu / Hour

If ducts are located in unconditioned space: Sum of Building Heat Loss X 1.15

If ducts are located in conditioned space: Sum of Building Heat Loss X 1

Maximum Heat Equipment Output 150%   Btu / Hour

Building and Duct Heat Loss X 1.50

## **City of Langley**

### **Building Permit Application Procedures and Requirements**

1. Application for building permits may be obtained from the City Hall.
2. Completed applications along with two copies of plans, specifications and plot plans shall be submitted to the City.

(NOTE: If all information has not been completed by the applicant, the application shall be returned to the applicant. It is of utmost importance that location address, parcel numbers are complete on the application form, review attachment required).

3. At the time of submittal of application, payment of the plan review fees, as determined by the building official, is due.
4. The Building Official will review the submittal for completeness. Incomplete submittals will be returned to the applicant.
5. Upon acceptance of an application as complete the Building Official will review the submittal for compliance to the applicable codes and requirements of the City of Langley. Any plan review comments for correction will be given the applicant for action. The applicant shall respond to all comments in writing and by correction of plans, etc,
6. The Land Use Coordinator will review all permits. After review, any comments will be noted on the original application and the application will be forwarded to the Building Official. The Land Use Coordinator will make copies of any application deemed necessary to retain in the land use files.
7. The City Clerk Treasurer will verify on the Building Permit that all appropriate Utility fees have been paid.
8. The applicant shall obtain and pay for all required public works permits, water and sewer hook ups and inspection fees prior to building permit issuance.
9. The Building Official will calculate Building Permit fees and insure that all procedures have been followed and all fees have been paid prior to permit issuance.

**10. CONSTRUCTION CANNOT BEGIN UNTIL NOTICE AND APPROVAL OF PERMIT IS GIVEN TO THE APPLICANT FROM THE CITY BUILDING OFFICIAL.**

11. Inspections must be called for through the City Hall at 221-4246 ext 17 — 24 hours in advance of inspection or at least by 4:00 P.M. the day prior to inspection. The City's inspector is available weekly as follows:

- Monday –Tuesday- Wednesday –Thursday- Friday 1:00 P.M. to 4:00 PM.
- Inspections will be made from 1:00 to 4:00 PM.
- \*Appointment must be made for inspections.

12. All contractors doing work within the City of Langley shall obtain a City of Langley Contractor's License prior to beginning work. The contractor must file an application along with proof of Bond, Insurance and current State Contractors License together with payment of the \$25.00 license fee.

- 13.** All new single-family residences require approval of occupancy prior to occupying the residence.
- 14.** Completed original Building Permits will be retained and filed by the Building Department for a period of one year following occupancy permit issuance.

**City of Langley  
Building Department  
Permit Submittal Requirements Checklist**

- Building Permit Application
  - Owner's Name, Address, and Phone Number
  - Architects or Engineers Name, Address, and Phone Number
  - Contractor's Name, Address, Phone Number, State License Number
    - City of Langley Contractor's License Application
    - Copy of State License, Bond, and Insurance
    - \$25.00 Registration Fee
  - Assessor's Parcel Number
  - Description of scope of work
  - Signature of Applicant
  
- Plot Plan, Site Plan
  - Minimum scale 1" = 100'-0"
  - Property Line and corners, Length of each property line
  - North Arrow
  - Street Name, (Plan should extend to centerline of street if possible)
  - Driveway Access
    - Access Permit Application
    - Access Permit Fee \$25.00
  - Show all existing structures and impervious surfaces (walks, drives, decks, and building overhangs).
  - Show all proposed new structures, site improvements, etc.
  - Indicate dimensions of all proposed new structures, additions or other improvements. Provide setback dimensions from structures to all property lines.
  - Show and dimension all roof overhangs
  - Denote proposed materials for walks, driveways, parking areas, etc.
  - Show general topography and drainage pattern (Not required if Grading Plan is submitted)
  
- Foundation Plan
  - Scale 1/8" = 1'-0" minimum
- Floor Framing Plan/s
  - Scale 1/8" = 1'-0" minimum
- Roof Framing Plan/s
  - Scale 1/8" = 1'-0" minimum
- Floor Plan/s
  - Scale 1/8"=1'-0" minimum
- Elevations
  - Scale 1/8" = 1'-0" minimum
  - Show height of building

- Show Roof Slopes
- Dimension architectural features
  
- Building Section
  - Minimum Scale 1/4 " = 1'-0"
- Wall Sections
  - Minimum Scale 1/2" = 1'-0"
- Details
  - Minimum Scale 1"= 1'-0"
- Architectural Drawings prepared by Washington State Registered Architect or Engineer must bear the stamp, signature and expiration date of the architect or engineer.
- Structural Drawings and Calculations (if required)
  - Stamped and signed by Washington State Licensed Engineer
  - Stamp must show expiration of registration
- Washington State Energy Code and Ventilation Compliance Forms
- Plan Review Fee
  - Contact the Building Official for amount
  - Must be paid at time of submittal
- Application for Water Service
- Application for Side Sewer Permit
- Application for Access Permit
- Application for Right of Way Use Permit
- Septic System Permit and Approval from Island County Health Department
- Plumbing and Mechanical Permit Application

### **COMMERCIAL PROJECTS (Additional Submittal Requirements)**

- Grading Plan
  - Grading Permit Required
- Erosion Control Plan

- Site Utilities Plan/s
  - Storm Water Drainage
  - Water
  - Sewer
  
- Storm Water Analysis
  
- Landscaping Plan
  
- Site Plan shall show all frontage improvements required by City of Langley. All improvements shall be in accordance with Langley Development Construction Standards, LMC 15.01.
  
- Site and Utility Details
  
- NREC (Nonresidential Energy Code) Compliance Sheets

**Consult the City of Langley Building, Land Use and Planning, and Public Works Departments early in the planning stages to determine the requirements for your project. This checklist outlines the general submittal requirements for most projects and is not intended to cover all possible scenarios.**