



## International Building Code (IBC) Worksheet 11a

- Use this form – 11a IBC Worksheet – for new construction, or as needed per IEBC scoping section and compliance method (in addition to 11b).
- Use alternate form 11b IEBC worksheet for tenant improvements, repair, alterations, change of occupancy, addition to and relocation for existing buildings/structures.

**Bothell Municipal Code (BMC) 20.02.046 triggers the use and analysis based on the state amended International Existing Building Code. This code use is to occur when repair, alteration, change of occupancy, addition to and relocation of existing buildings/structure.**

This form, 11a IBC worksheet, details the minimum information needed to review your project for compliance with the International Building Codes. To begin your review, we require that this worksheet be completed and turned in with your Building Permit application. This information is an integral part of the design and this code summary information is required to be included on the building plans. This form must be completed in its entirety. If you believe portions of the form do not apply to the design then please indicate "N/A" in that field of the form. Any portion of the form left blank may result in the review being deemed inconsistent and indication to see plans for required information is not sufficient to complete the form.

### SECTION 1 – BUILDING HEIGHT & AREA LIMITATIONS

(If there are multiple construction types, or if a fire wall divides the building, **provide a separate analysis for each area.** Repeat as necessary.)

	Type of Construction (i.e. IIA, VB)	Square foot (Sf) Area	Identify all use and occupancy classification group(s) (i.e. B, R-2, A-3, etc.):
<b>New Building/ Structure</b>			

<b>Bldg Fire Sprinklered?</b> <input type="checkbox"/> <u>Throughout</u> <input type="checkbox"/> <u>Partial</u> <input type="checkbox"/> <u>None</u>	<b>Type</b> (NFPA 13, 13R, 13D):
<b>Allowable Bldg Height Above Grade Plane (Table: 504.3):</b>	
<b>Allowable Number of Stories Above Grade Plane (Table 504.4):</b>	

Break down the areas of occupancies based on story/level	Story/Level	Occupancy	Area	Tabulated Floor Area, A <sub>t</sub> (Table 506.2)	
				sf	sf
				sf	sf
				sf	sf
				sf	sf
				sf	sf

<b>Mezzanines?</b>	Y <input type="checkbox"/> N <input type="checkbox"/>	Aggregate area total:
<b>Equipment Platforms?</b>	Y <input type="checkbox"/> N <input type="checkbox"/>	Aggregate area total:

<b>Frontage Increase</b> $I_f = [F/P - 0.25]W/30$ F = P =                      I <sub>f</sub> = W =	<b>Area Factor Increase:</b> (25% of perimeter must be on a public way or open space) $W = (L_1 \times w_1 + L_2 \times w_2 + L_3 \times w_3 \dots) / F$  W =
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<b>Single Occupancy, Single Story</b> <b>Mixed Occupancy, Single Story</b> <b>Mixed Occupancy, Single Story</b> (provide a separate analysis for each use):	<input type="checkbox"/>	$A_a = [A_t + (NS \times I_f)]$ A <sub>a</sub> =
<b>Single Occupancy, Multi-story</b>	<input type="checkbox"/>	$A_a = [A_t + (NS \times I_f)] \times S_a$  A <sub>a</sub> =

## SECTION 2 – BUILDING USE OR OCCUPANCY

Separated Use Design, IBC 508.3.3

Non-Separated Use Design separate, IBC 508.3

If constructed as Separated Uses then list all occupancy separation fire barrier ratings required (i.e. B to S-2 = 2hr) IBC Table 508.4	Occupancy	to	Occupancy	=	Table 508.4	▶	Sprinkler system reduction	
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs
		to		=	hrs	▶		hrs

List all incidental use areas (must be a room/area specified in Table 509), floor area, and separation to be provided		
Room or Area	Floor Area	Fire Separation
	sf	
	sf	
	sf	
	sf	
	sf	
	sf	
	sf	
	sf	

List all accessory use areas not defined as Incidental Use, and fire barrier requirements (per IBC 508.2). (All accessory uses shall be individually classified and identified on the plans)			
Room or Area	Floor Area	Percentage of floor area on story (Aggregate total shall not exceed 10% of floor area per story)	Fire Separation
	sf	%	
	sf	%	
	sf	%	
	sf	%	
	sf	%	
	sf	%	

## SECTION 3 – BUILDING CONSTRUCTION

**Fire Resistance Rating Requirements** (Are all fire rated assemblies identified on the plans and, if required per IBC Section 703.7, are marking requirements indicated on plans?)

Wall Location (i.e. North, South, etc.)	Fire Separation Distance:	Rating Required (Tables-601 & 602)	Rating Provided	Listed Assembly #	Allowable Area Wall Openings (Section 705.8)
1	ft	hrs	hrs		
2	ft	hrs	hrs		
3	ft	hrs	hrs		
4	ft	hrs	hrs		
	Primary Structural Frame	hrs	hrs		
	Bearing Walls - Exterior	hrs	hrs		
	Bearing Walls - Interior	hrs	hrs		
	Floor Construction	hrs	hrs		
	Roof Construction	hrs	hrs		

## SECTION 4 – BUILDING EGRESS AND OCCUPANT LOAD

**Exit Separation** (1/3 measurement only permitted with approved NFPA 13 or NFPA 13R system)

1/2 or  1/3 diagonal distance of building or area served:

Required exit or exit access door separation:

Room or Area	Occupant Load	Common Path of Travel Distance	Exit Access Travel Distance	Number of Exits or Exit Access Doorways provided
		ft	ft	
		ft	ft	
		ft	ft	
		ft	ft	
		ft	ft	
		ft	ft	

Story/level	Use/Occupancy	Number of Exits		Exit Width			
				Stair Width		Other Egress Components Widths	
		Required	Provided	Required	Provided	Required	Provided