



DEVELOPMENT SERVICES

BUILDING • COMMUNITY RISK REDUCTION • ENGINEERING • PLANNING • PERMIT SERVICES • TRANSPORTATION

International Building Code (IBC) Worksheet 11a

See City of Bothell form 11b, IEBC worksheet, for repair, alteration, change of occupancy, addition to and relocation of existing buildings/structures.

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.): |
|------------------------------------|----------------------------------------|-----------------------|-------------------------------------------------------------------------------------|
| New Building/ Structure | | | |

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

| Break down the areas of occupancies based on story/level | Story/Level | Occupancy | Area | Tabulated Floor Area, A _t (Table 506.2) | |
|----------------------------------------------------------------------|-------------|-----------|------|----------------------------------------------------|-----------|
| | | | | sf | sf |
| | | | | sf | sf |
| | | | | sf | sf |
| | | | | sf | sf |
| | | | | sf | sf |

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

| | |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frontage Increase $I_f = [F/P - 0.25]W/30$ F = _____ P = _____ $I_f =$ _____ W = _____ | Area Factor Increase: (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 = _____ |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------|------------------------|
| Single Occupancy, Single Story Mixed Occupancy, Single Story Mixed Occupancy, Single Story (provide a separate analysis for each use): | <input type="checkbox"/> | $A_a = [A_t + (NS \times I_f)]$ | A _a = _____ |
| Single Occupancy, Multi-story | <input type="checkbox"/> | $A_a = [A_t + (NS \times I_f)] \times S_a$ $A_a =$ _____ | |

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 | |

| 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 <small>(Aggregate total shall not exceed 10% of floor area per story)</small> | Fire Separation |
| | sf | % | |
| | 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 | | | |
|-------------|---------------|-----------------|----------|-------------|----------|--------------------------------|----------|
| | | Required | Provided | Stair Width | | Other Egress Components Widths | |
| | | | | Required | Provided | Required | Provided |
| | | | | | | | |
| | | | | | | | |
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