



Building Department  
201 1st Avenue East  
Kalispell, MT 59901

## DECK BUILDING PERMIT APPLICATION

Phone: (406) 758-7730

[www.kalispell.com/building](http://www.kalispell.com/building)  
[bldgdept@kalispell.com](mailto:bldgdept@kalispell.com)

FAX (406) 758-7739

**\*\*ALL BLOCKS ARE REQUIRED INFORMATION (Incomplete apps will delay review)\*\***

Job Site Address	Kalispell	MT	59901
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[Kalispell Building Dept Interactive Map - please use this link to find the legal description Assessment Code No.](#)

Legal Description	Assessment Code No.
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Project Value (cost of time & materials)	Use of Building	Sq. Ft.
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Describe work

Owner Name	Owner Phone
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Owner Address (if different than job site)	City, State, Zip
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Owner Email Address

Contractor Name <input type="radio"/> TBD <input type="radio"/> Owner	Contractor Phone
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Contractor Address	City, State, Zip
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Contractor Email Address

Designer Name <input type="radio"/> TBD <input type="radio"/> Owner	Designer Phone
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Designer Email Address

Point of Contact for plan review comments - NAME:	Phone:
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EMAIL:

### **Consent to Inspect**

I understand that the building/plumbing/mechanical/electrical codes adopted by the City of Kalispell provide for the entry onto and inspection of my property in conjunction with the applicable permit.

By applying for and receiving a permit, I understand that I am consenting to such entries/inspections until such time as a permanent certificate of occupancy is issued or, for construction not requiring a certificate of occupancy, the project has passed a final inspection.

Furthermore, I hereby explicitly give my consent to allow employees of the City of Kalispell, including, but not necessarily limited to, building inspectors, the zoning administrator, fire personnel, and public works personnel, to enter and inspect my property (located at the listed address) for purposes related to my permit.

My consent to enter and inspect extends not only to the land itself, but also to all buildings, structures, and other fixtures on the lot, including, but not necessarily limited to, utility service lines. I understand that an inspection may entail reasonable measures to determine compliance with the applicable code/ordinance and may include, but is not necessarily limited to, uncovering or removing material concealing relevant construction.

### **Acknowledgments**

The issuance or granting of a permit or approval of plans, specifications and computations shall not be construed to be a permit for, or an approval of, a violation of any of the provisions of the International Building, Residential, Mechanical, Fire, National Electrical Code, Energy Code or the Uniform Plumbing Code; the Kalispell Zoning Ordinance; the Kalispell Municipal Code; or any other ordinance, code or law of the City of Kalispell, County of Flathead, State of Montana, of the Federal Government or any of their agencies.

I understand that information provided to the City of Kalispell, whether on a permit application form or during the permit process, is part of the public record and that the following policies/procedures apply: The information is available for viewing by any member of the public upon request; the permit and its associated information will be posted on site in public view during construction; any individual may compile a mailing list by examining the records that are otherwise open to public inspection; and permit information is regularly made available to requesting agencies, businesses and the public.

By my signature, I certify that I have read and understand the above statements.

\_\_\_\_\_  
**Signature of owner or authorized agent**

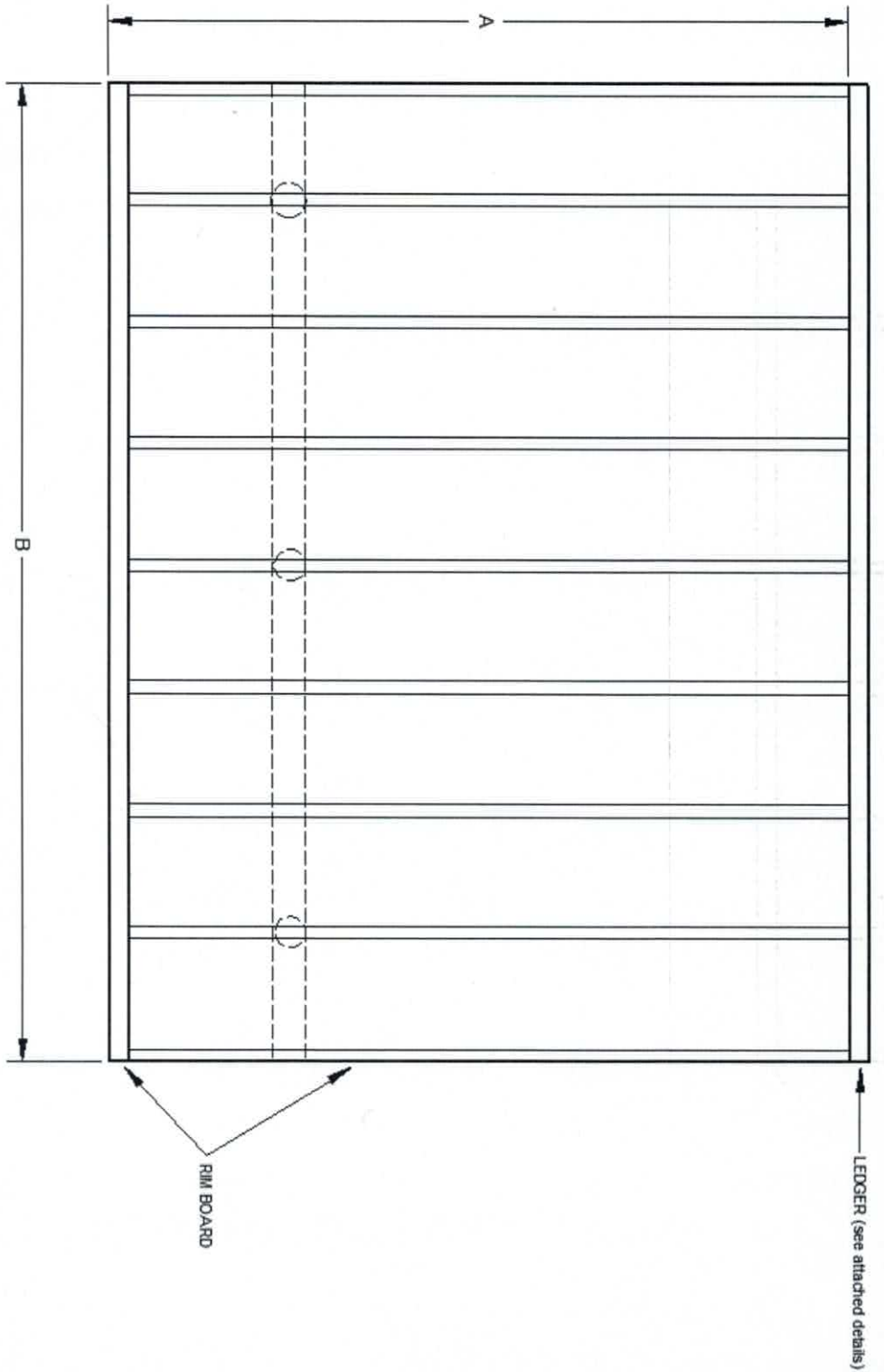
\_\_\_\_\_  
**Print Name**

\_\_\_\_\_  
**Date**

NOT TO SCALE

DECK EXAMPLE - OVERHEAD VIEW

JOIST SIZE: \_\_\_\_\_  
JOIST SPACING: \_\_\_\_\_  
RIM BOARD SIZE: \_\_\_\_\_  
LEDGER SIZE: \_\_\_\_\_  
"A" OVERALL LENGTH: \_\_\_\_\_  
"B" OVERALL WIDTH: \_\_\_\_\_  
SONOTUBE SPACING: \_\_\_\_\_



NOTE C: >30" ABOVE GRADE GUARDRAILS REQUIRED

BEAM SIZE: \_\_\_\_\_

JOIST SPAN: \_\_\_\_\_

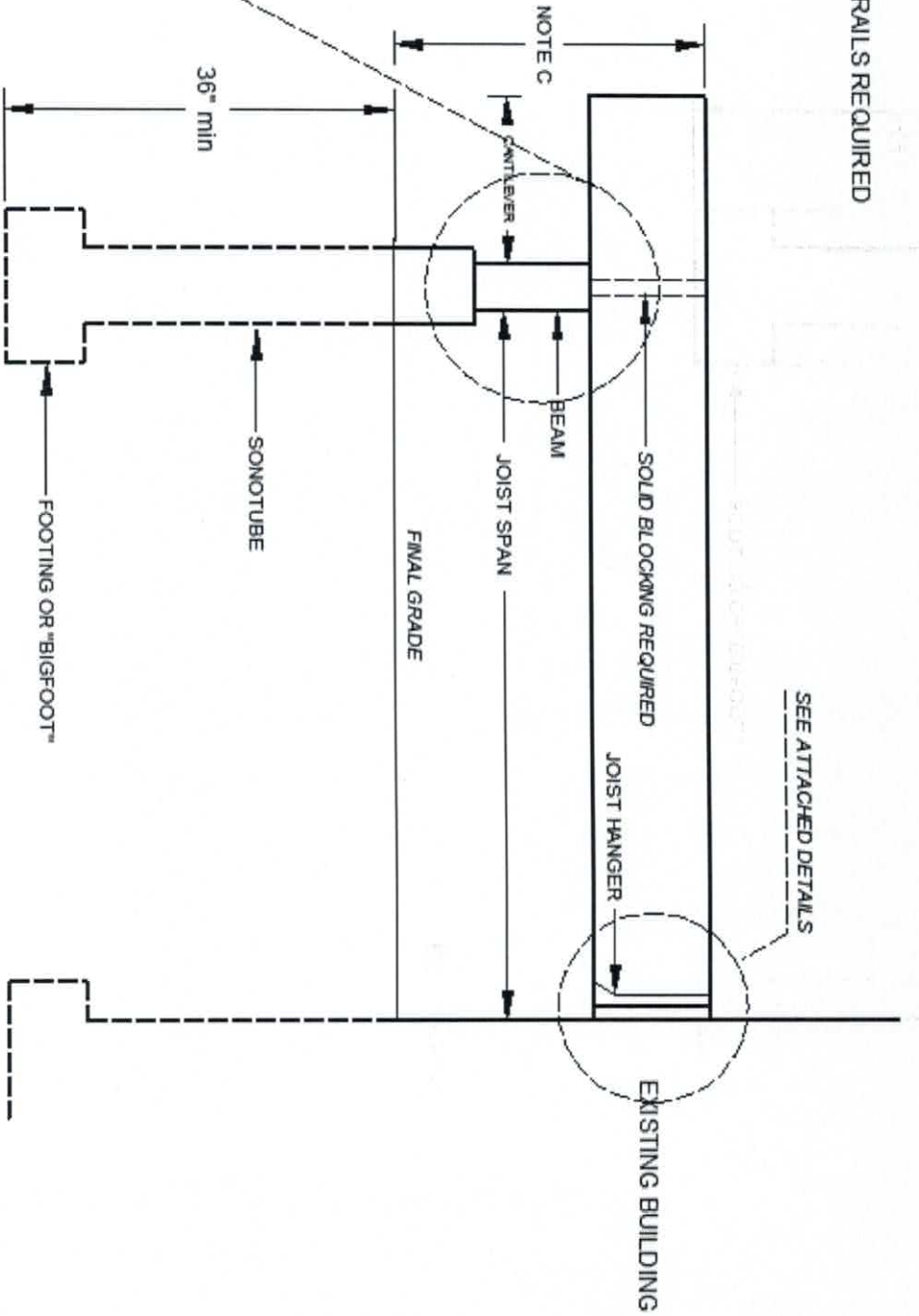
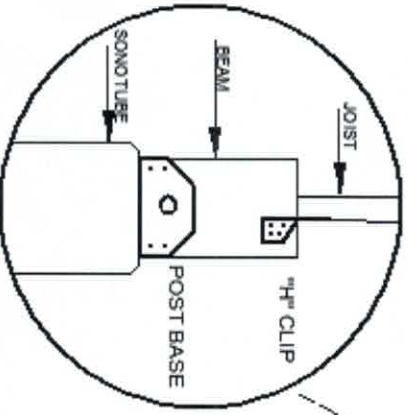
FOOTING SIZE: \_\_\_\_\_

FOOTING REBAR: \_\_\_\_\_

SONOTUBE DIAMETER: \_\_\_\_\_

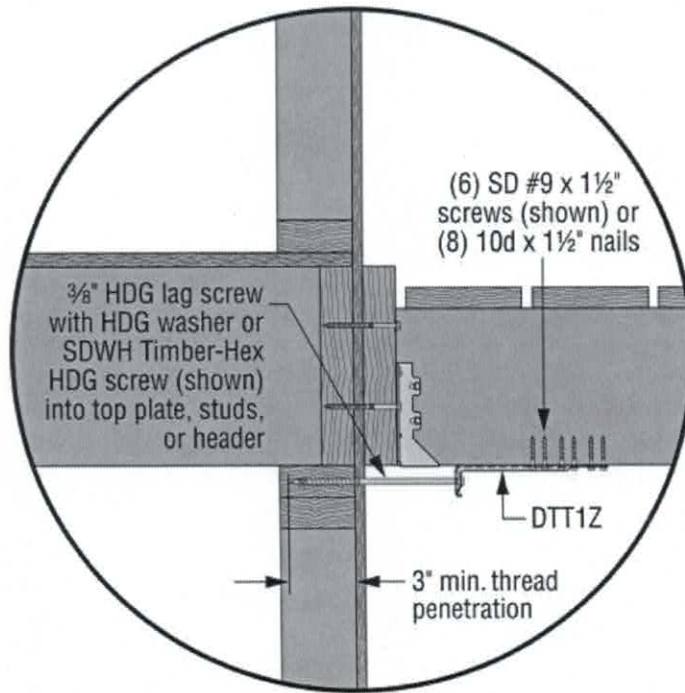
SONOTUBE REBAR: \_\_\_\_\_

JOIST HANGER TYPE: \_\_\_\_\_

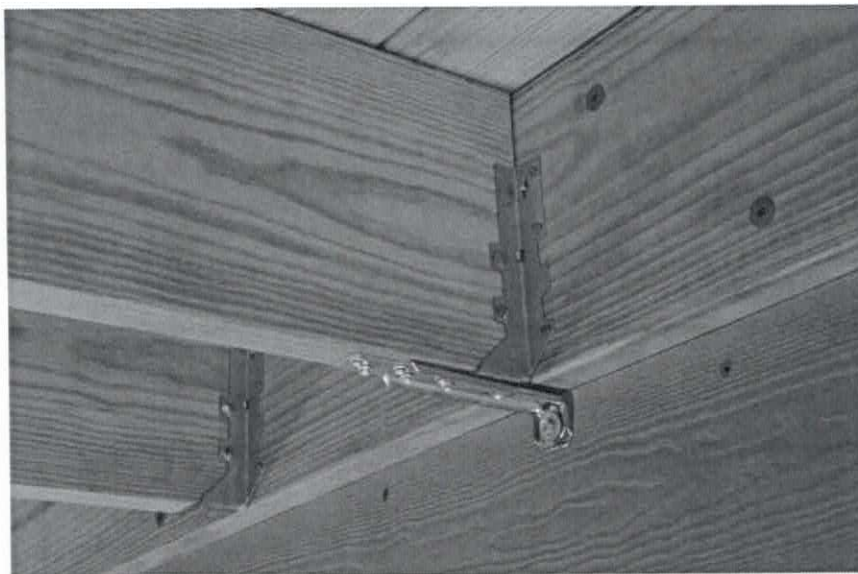


SEE ATTACHED DETAILS

NOT TO SCALE



Typical DTT1Z Deck-to-House Lateral Load Connection. For more information on lateral load connections, see technical bulletin T-DECKLAT



DTT1Z Installed

## R507.2 Deck ledger connection to band joist.

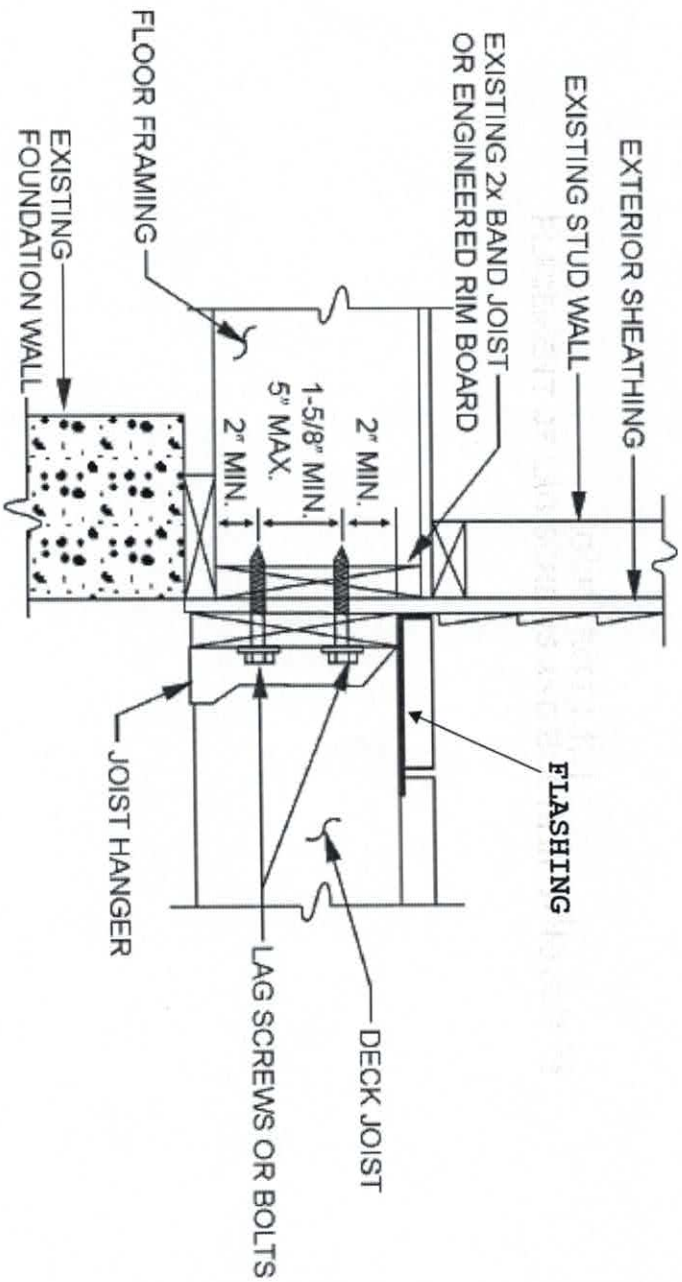
For decks supporting a total design load of 50 pounds per square foot (2394 Pa) [40 pounds per square foot (1915 Pa) live load plus 10 pounds per square foot (479 Pa) dead load], the connection between a deck ledger of pressure-preservative-treated Southern Pine, incised pressure-preservative-treated Hem-Fir or approved decay-resistant species, and a 2-inch (51 mm) nominal lumber band joist bearing on a sill plate or wall plate shall be constructed with 1/2-inch (12.7 mm) lag screws or bolts with washers in accordance with Table R507.2. Lag screws, bolts and washers shall be hot-dipped galvanized or stainless steel.

**TABLE R507.2**  
**FASTENER SPACING FOR A SOUTHERN PINE OR HEM-FIR DECK LEDGER AND**  
**A 2-INCH-NOMINAL SOLID-SAWN SPRUCE-PINE-FIR BAND JOIST<sup>c, f, g</sup>**  
**(Deck live load = 40 psf, deck dead load = 10 psf)**

JOIST SPAN	On-center spacing of fasteners <sup>d, e</sup>						
	6' and less	6'-1" to 8'	8'-1" to 10'	10'-1" to 12'	12'-1" to 14'	14'-1" to 16'	16'-1" to 18'
Connection details							
<sup>1</sup> / <sub>2</sub> inch diameter lag screw with <sup>15</sup> / <sub>32</sub> inch maximum sheathing <sup>a</sup>	30	23	18	15	13	11	10
<sup>1</sup> / <sub>2</sub> inch diameter bolt with <sup>15</sup> / <sub>32</sub> inch maximum sheathing	36	36	34	29	24	21	19
<sup>1</sup> / <sub>2</sub> inch diameter bolt with <sup>15</sup> / <sub>32</sub> inch maximum sheathing and <sup>1</sup> / <sub>2</sub> inch stacked washers <sup>b, h</sup>	36	36	29	24	21	18	16

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm. 1 pound per square foot = 0.0479 kPa.

- The tip of the lag screw shall fully extend beyond the inside face of the band joist.
- The maximum gap between the face of the ledger board and face of the wall sheathing shall be <sup>1</sup>/<sub>2</sub> inch.
- Ledgers shall be flashed to prevent water from contacting the house band joist.
- Lag screws and bolts shall be staggered in accordance with Section R507.2.1.
- Deck ledger shall be minimum 2 x 8 pressure-preservative-treated No. 2 grade lumber, or other approved materials as established by standard engineering practice.
- When solid-sawn pressure-preservative-treated deck ledgers are attached to a minimum 1-inch-thick engineered wood product (structural composite lumber, laminated veneer lumber or wood structural panel band joist), the ledger attachment shall be designed in accordance with accepted engineering practice.
- A minimum  $1 \times 9 \frac{1}{2}$  Douglas Fir laminated veneer lumber rimboard shall be permitted in lieu of the 2-inch nominal band joist.
- Wood structural panel sheathing, gypsum board sheathing or foam sheathing not exceeding 1 inch in thickness shall be permitted. The maximum distance between the face of the ledger board and the face of the band joist shall be 1 inch.



For St: 1 inch = 25.4 mm.

FIGURE R507.2.1(2)  
 PLACEMENT OF LAG SCREWS AND BOLTS IN BAND JOISTS