



City of Worthington
303 9th Street
Worthington, MN 56187
507-372-8640

Deck Worksheet

Return this worksheet to City Hall.

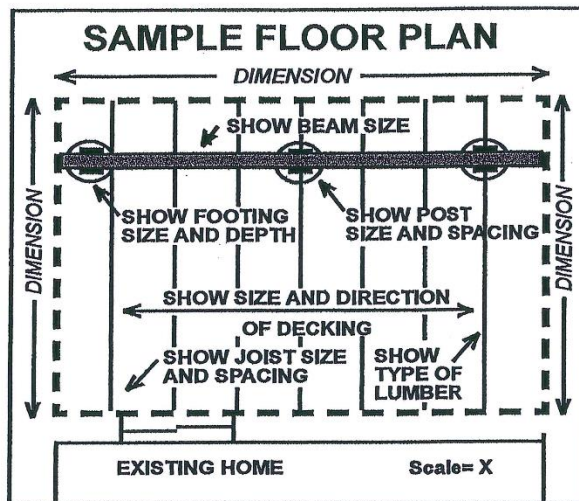
Applicant: _____

Address: _____ **PIN: 31-** _____

Phone: _____

This four-page document needs to be included with the Building Permit Application for a deck. The Applicant is responsible for completing the attached worksheets that include:

- 1) **Floor Plan** – Applicant will include a drawing of the floor plan of the deck, complete with overall size, all measurements, placements, spacing, posts, etc.



- 2) **Deck Cross Section Drawing & Deck Worksheet** – Applicant will draw a picture of Deck on the Deck Cross Section page. Applicant will fill-in the Deck Cross Section Worksheet.

A "General Deck Requirements informational" document is included with this packet. Please read through the information as it will help you in completing the required documents.

Floor Plan

Refer to the floor plan on Page 1 as an example.

Draw the floor plan of the deck, including the overall dimensions, beam(s), joists, posts, etc.



Deck is (check one): ☐ Attached to House ☐ Detached from House

Deck Dimensions: _____ **Deck Height:** _____

Draw the deck to scale. Size all basic materials (footings, posts, joists, beams, decking) indicating spans and all post locations. Stairs with four or more risers require graspable handrails. Where deck height is 30" or more above grade, guards and handrails with less than 4" openings are required. See "*General Deck Requirements*" document for more information.

DECK TO BEAM DETAILS

DECKING TYPE: _____

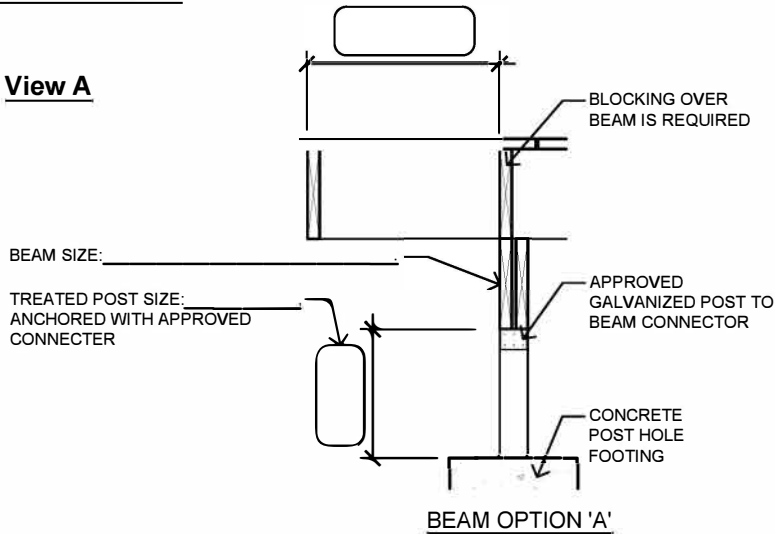
DECK JOIST TYPE: _____

SIZE: _____ SPACING: _____

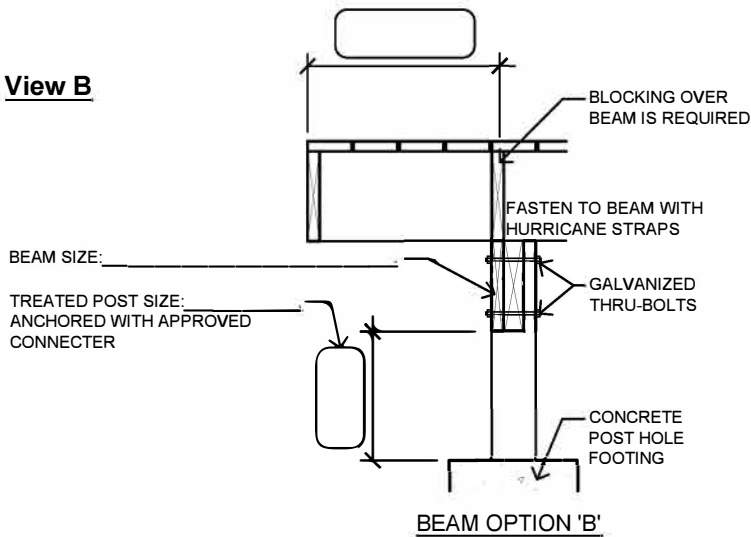
**Select View A, B, or C &
fill-in information:**

**Select View 1 or 2 &
fill-in information:**

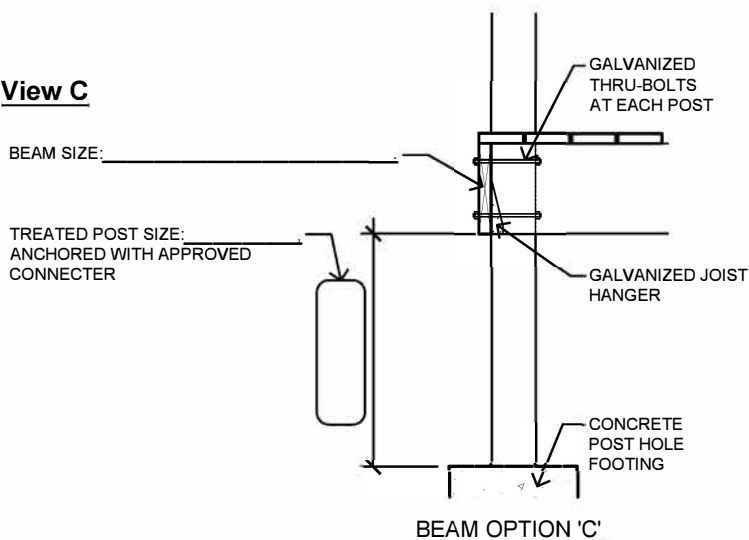
View A



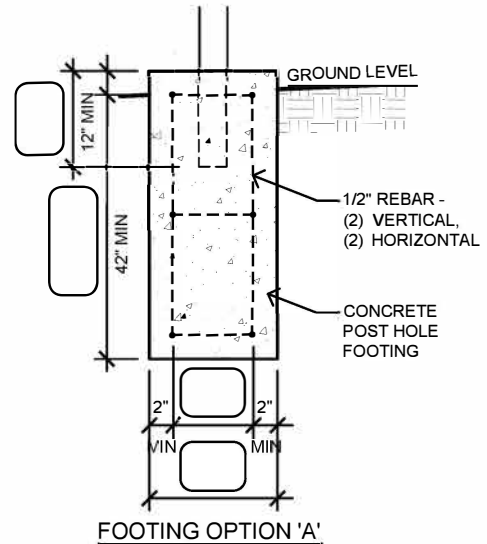
View B



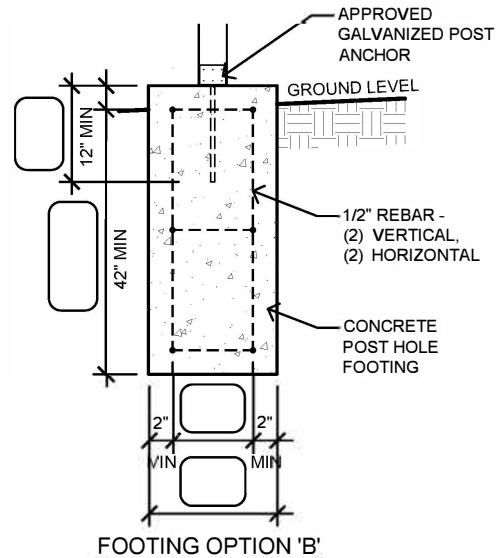
View C



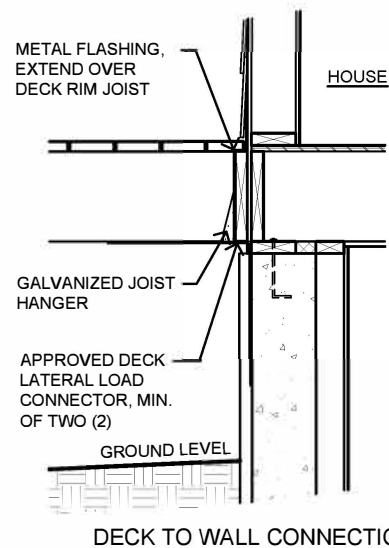
View 1



View 2



Example of Standard View





General Deck Requirements

Building Permits are required for all decks that are attached to the house or 30 inches or more above grade. **All other decks require a Zoning Permit** and must meet the setback requirements. Setback requirements vary between zoning districts. All decks should be discussed with the Building and Zoning Department prior to construction.

Plans Required for decks are detailed below. Sample plans are attached for reference.

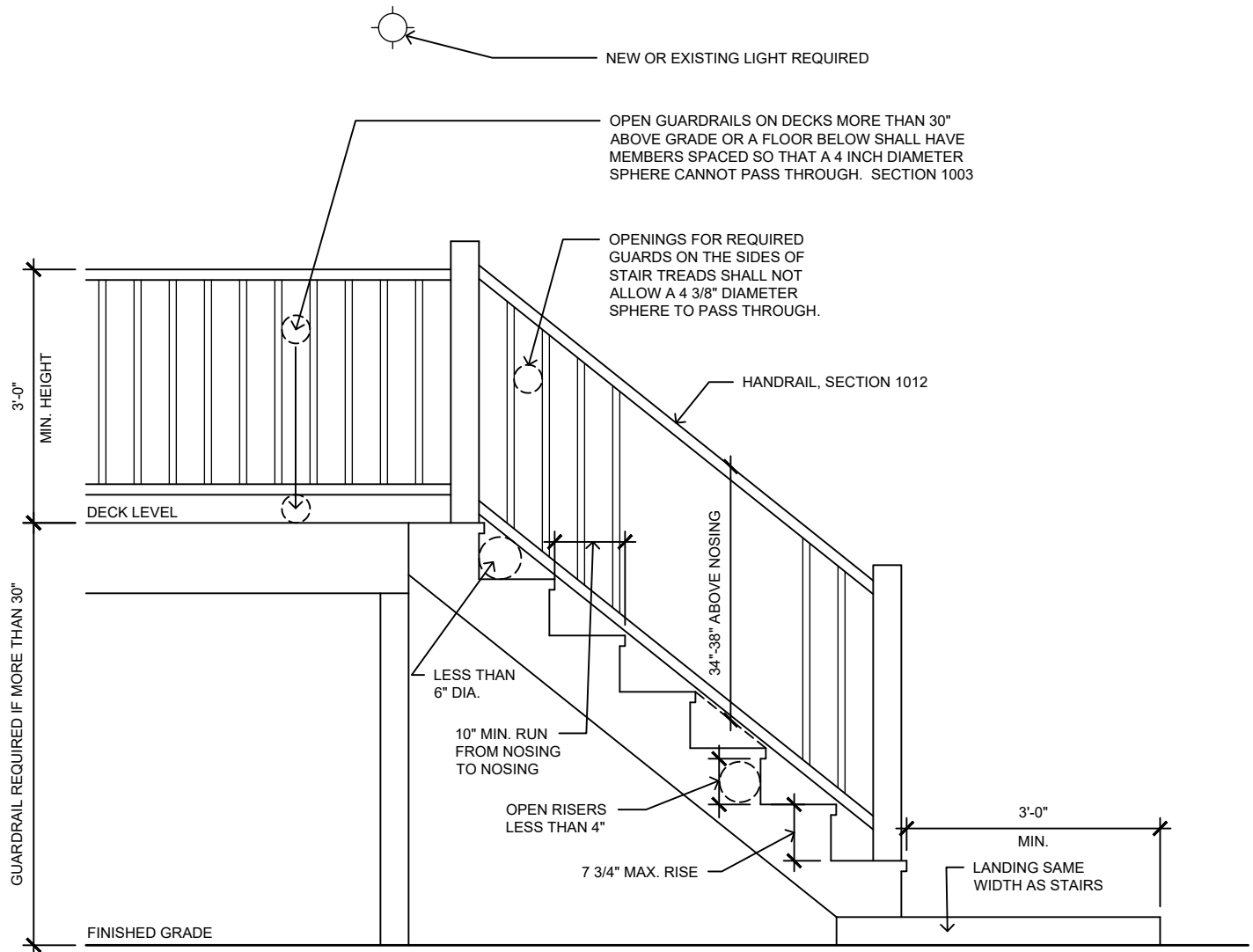
- **Site Plan** should indicate lot size and dimensions, size and location of existing structures, size and location of proposed structures, and setback dimensions from property lines, streets, alleys and utility easements.
- **Floor Plan** should show proposed deck size, size and spacing of joists; size, type and location of posts and beams; and size and type of decking material.
- **Elevation Plan** should detail guards and stairs, indicate deck height above grade, and show footing size, location and depth.

Inspections are required for all decks. These inspections will be discussed when you obtain the permit. All decks will need a site inspection or site plan approval before construction begins.

General Building Code Requirements:

- Footings and posts must extend below frost line. Minimum 42" below grade.
- Footings must be sized properly. Footing size will depend on the amount of deck to be supported. Refer to attached footing chart to determine correct size.
- Decks must be designed for 40 pounds per square foot live load, plus 10 pounds dead load, for a total of 50 pounds per foot. Refer to attached charts to determine correct spans for framing members.
- Decks must be constructed of approved materials. Wood decks should be constructed of wood that has a natural resistance to decay such as redwood or cedar.
- Chemically-treated lumber in contact with or within 12 inches of the ground must be a minimum of 40% treated. Posts that are embedded in the ground must be a minimum of 60% treated.
- Manufactured deck products need prior approval. They must meet ASTM D 7032 standards based on an ICC ES Report. Your material supplier or the Building Department can help verify compliance. These types of materials must be installed in accordance with the manufacturer's recommendations.
- Decks that are 30 inches or more above grade must have a guard that is a minimum of 36 inches in height. Guards must be able to withstand a 200 pound force applied in any direction. Refer to the attached drawing for guardrail construction.
- Stairs must be 36 inches minimum width, have a maximum rise of 7 ³/₄ inches, and a minimum run of 10 inches. Stairs that have 4 or more risers must have handrails installed 34 - 38 inches above the front edge of stair treads. Refer to attached drawing for details. Stairs cannot have open risers.
- Flashing must be installed where existing siding or other finishes are cut to attach deck ledger boards.

DECK/STAIR RAILING



STAIRWAY NOTES:

1. STAIRWAYS SHALL BE NOT LESS THAN 36" IN WIDTH.
2. STAIRWAY RISES SHALL BE NOT GREATER THAN 7 3/4".
3. STAIRWAY TREADS SHALL HAVE A MINIMUM RUN OF 10".
4. THE LENGTH OF RUN AND THE HEIGHT OF RISER SHALL NOT VARY MORE THAN 3/8" IN THE ENTIRE RUN OF THE STAIR.
5. STAIRS ARE REQUIRED TO BE ILLUMINATED.
6. OPEN RISERS PERMITTED IF OPENING IS LESS THAN 4".
7. A NOSING NOT LESS THAN 3/4" BUT NOT MORE THAN 1 1/4" SHALL BE PROVIDED ON STAIRWAYS WITH SOLID RISERS, AND LESS THAN 11".