

# CITY OF BARBERTON

JEFFREY RETTBERG - BUILDING COMMISIONER

Building Department - [www.cityofbarberton.com/148/Building-Department](http://www.cityofbarberton.com/148/Building-Department)

576 W Park Avenue Barberton, Ohio 44203

Phone: 330.848.6730 Fax: 330.848.6654

## RESIDENTIAL DECK CONSTRUCTION SPECIFICATIONS

### Application requirements:

- Decks require the completion of a building permit application either through hard copy application or through the Building Department website. It will be the responsibility of the applicant to provide all information required within the highlighted data fields. Failure to complete the application in full will delay the permitting process. Construction plans shall be submitted for review to verify compliance with the 2019 Residential Building Code of Ohio (RCO). The issuance of a permit to construct will occur after the plans are approved and the following documentation is submitted:
  - A copy of zoning approval (obtained by the applicant through the local zoning authority),
  - Local Health Department approval if the property is serviced by a well and/or septic system.
  - The contractor has their City of Barberton contractor registration made current. The homeowner may act as the contractor through the submittal of a completed homeowner affidavit form.
  - You may use the attached deck diagrams as your submitted plans, just select the construction method you will be utilizing and fill in the blanks.

### Design requirements

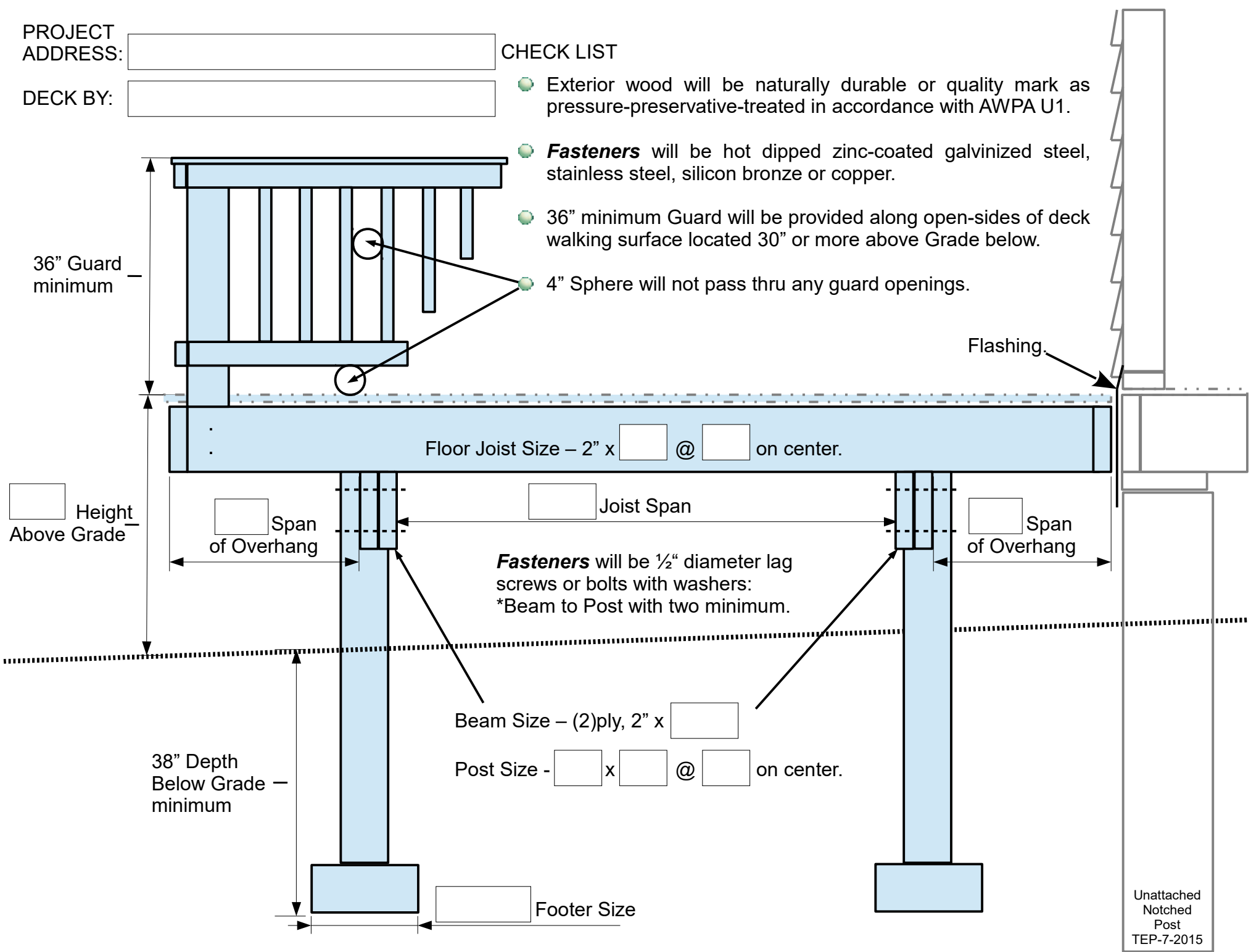
- All lumber used for structure framing is to be preservative-treated wood.
- **For assistance with your design, please visit the following websites:**
  - [Deck Design Guide](#)
  - [2019 Residential Code of Ohio](#)
- **FOOTER:** The footer shall be sized based upon RCO table 507.3.1 Frost line depth is minimum of 38" inches.
- **DECK BEAM BEARING:** The ends of each joist beam or girder shall have not less than 1.5 inches of bearing on wood or metal and not less than 3 inches on concrete or masonry for the entire width of beam. Deck beams supported by posts shall be secured per RCO 507.5.2 (figure 507.5.1(1) and 507.5.1(2) enclosed).
- **FLOOR JOIST SPANS:** refer to RCO table 507.6 for joist spans and allowable overhang (cantilever) for decks with a designed live loads not exceeding 40psf and designed dead loads not exceeding 10psf.
- **HANDRAILS, GUARDRAILS AND STAIRS:** Guardrails (Section 312) are required where any portion of the deck is greater than 30 inches above finish grade. Handrails are required on stairs with 4 or more risers. Stairs (RCO 311.5.3) shall be a minimum of 36 inches wide. Stair treads shall be a minimum of 9 inches measured nose to nose and risers shall be a maximum of 8.25 inches in height. Treads (RCO 311.7.5.2) "The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch."
- **POST FRAME ACCESSORY STRUCTURES:** (RCO 328.1 to 328.7)

PROJECT ADDRESS:

DECK BY:

### CHECK LIST

- Exterior wood will be naturally durable or quality mark as pressure-preservative-treated in accordance with AWPA U1.
- **Fasteners** will be hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper.
- 36" minimum Guard will be provided along open-sides of deck walking surface located 30" or more above Grade below.
- 4" Sphere will not pass thru any guard openings.

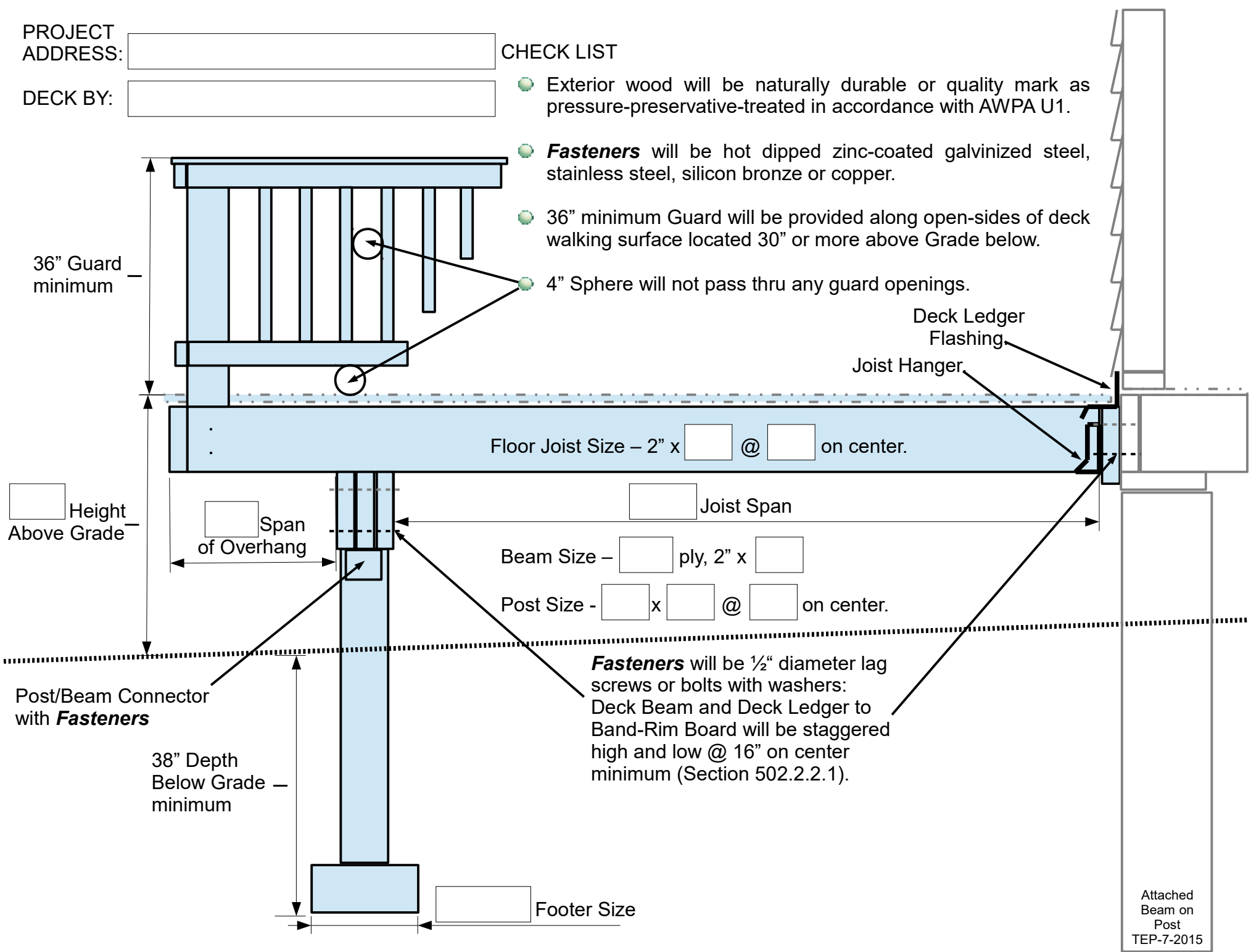


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- 4" Sphere will not pass thru any guard openings.



Floor Joist Size - 2" x  @  on center.

Deck Ledger Flashing  
Joist Hanger

Height Above Grade

Span of Overhang

Joist Span

Beam Size -  ply, 2" x

Post Size -  x  @  on center.

Post/Beam Connector with **Fasteners**

38" Depth Below Grade - minimum

**Fasteners** will be 1/2" diameter lag screws or bolts with washers: Deck Beam and Deck Ledger to Band-Rim Board will be staggered high and low @ 16" on center minimum (Section 502.2.2.1).

Footer Size

# Attached Deck

Owners Name

Address

Beam Size

Post Size

Footer Size

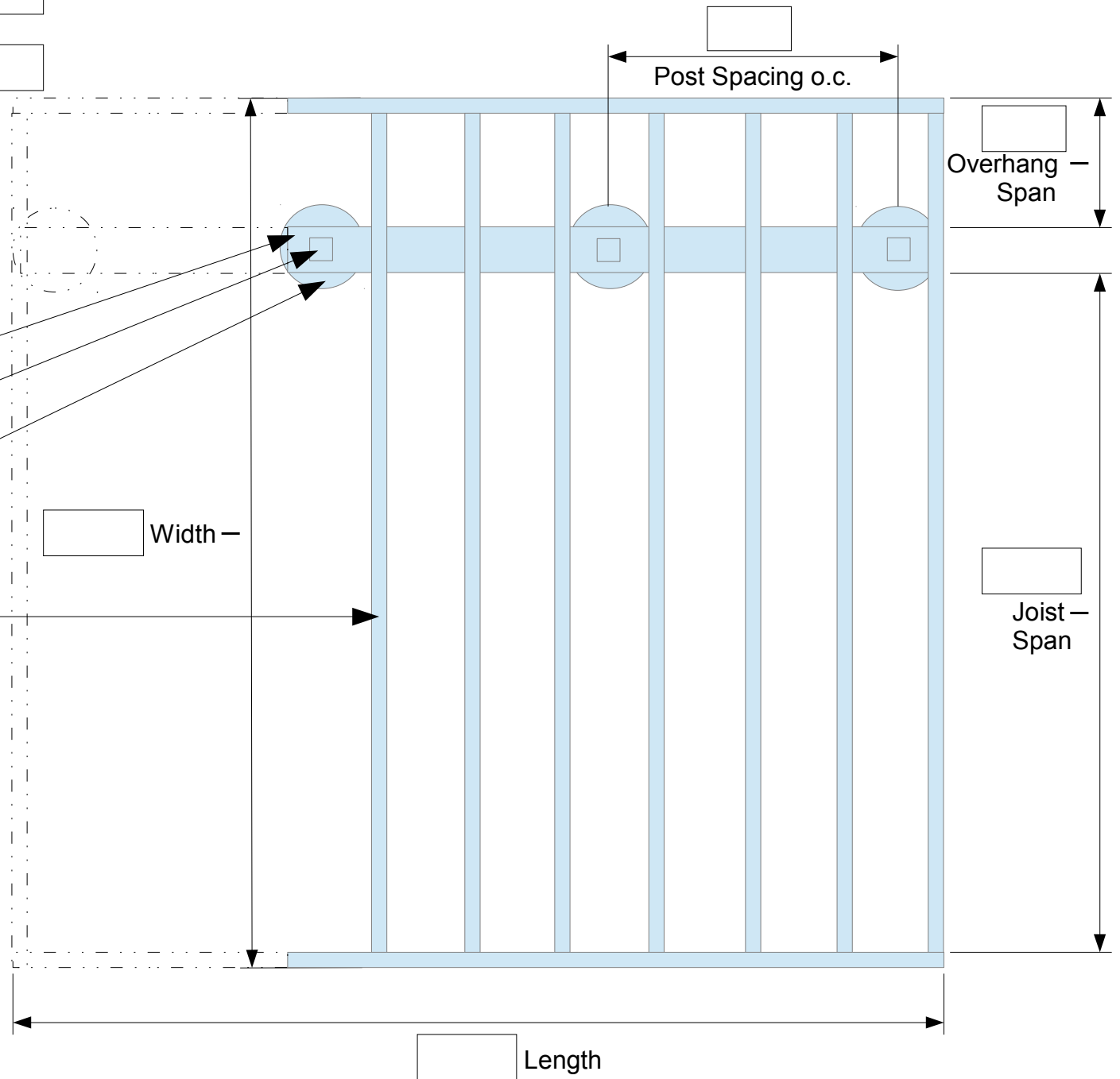
Joist Size @

o.c.

Width

Finish Drawing by providing:

- House Location
- Stairway Location
- Lumber Dimensions
- Deck Dimensions
- Deck Shape & Offsets

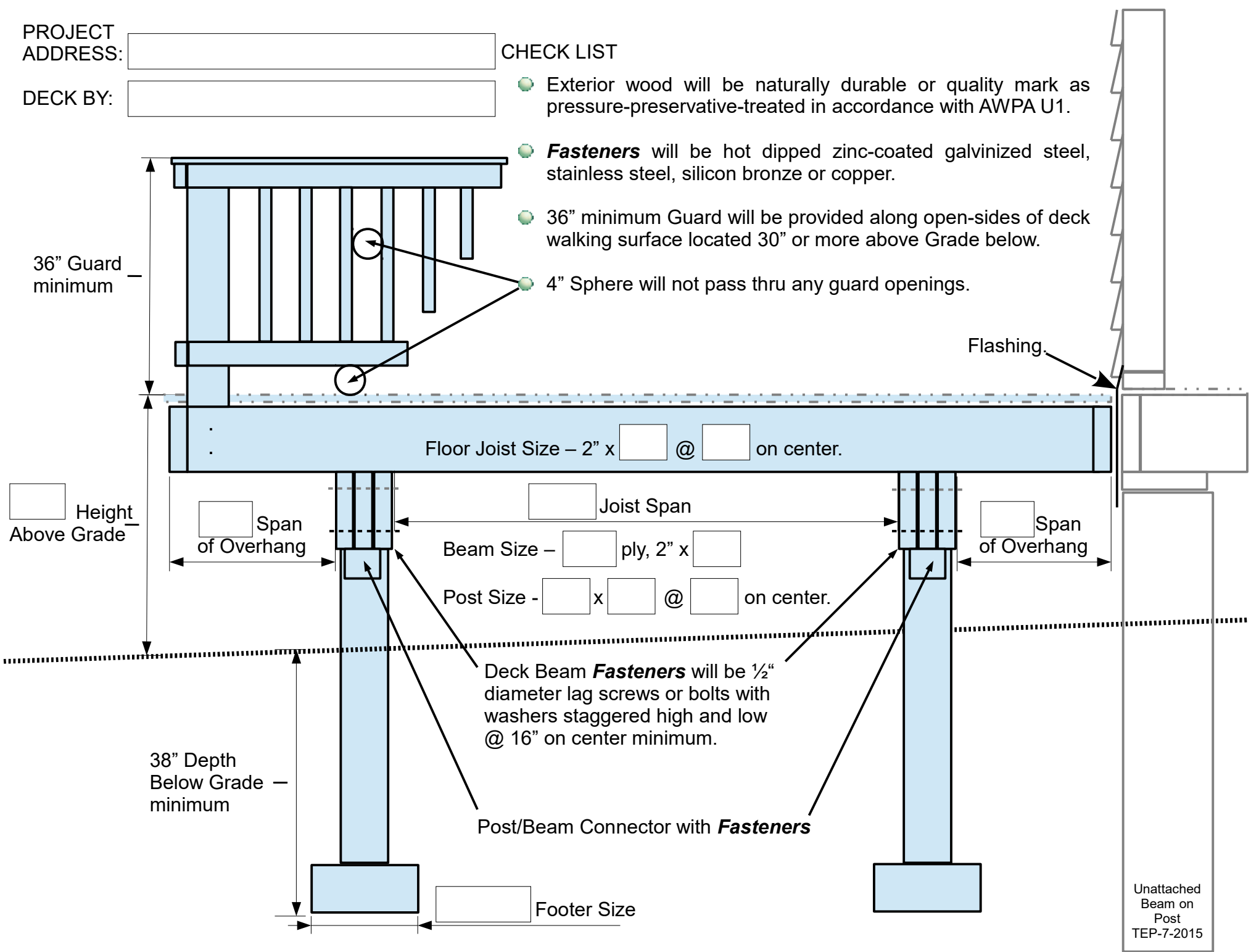


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DECK BY:

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- 36" minimum Guard will be provided along open-sides of deck walking surface located 30" or more above Grade below.
- 4" Sphere will not pass thru any guard openings.



# Unattached Deck

Owners Name

Address

Beam Size

Post Size

Footer Size

Joist Size @

o.c.

Width

Finish Drawing by providing:

- House Location
- Stairway Location
- Lumber Dimensions
- Deck Dimensions
- Deck Shape & Offsets

