City of Onalaska

415 Main Street | Onalaska, WI 54650 | 608.781.9530 | CityofOnalaska.com

Residential Deck Projects – Required Information

- Plot plan showing location of deck setback from parcel boundaries and structures on the property.
- Note if constructing deck under Safety and Professional Services (SPS) Appendix B, SPS Appendix C, or American Wood Council DECA 6. *Note: Codes are not interchangeable*.
- Footing sizes for all posts listed (corner and intermediate). *Note: Any footing within 5' of existing structures must bear at a lower foundation*.
- Footing to post connection as a post base, concrete stem or grade.
- Height above grade for deck.
- Type of wood being used, beam size, post spacing, joist span and post to beam connection.
- Joist to beam connection being used.
- Ledger to house connection based on residence's band board, joist or hollow foundation.
- For decks more than 24" above grade, provide:
    - Diagonal bracing requirements; and
    - Guardrail details with height above deck, post attachments and post/spindle spacing.
- Deck boards must meet the span rating for joist spacing.
- Stairways require 4' frost footings if over 48" in height, otherwise provide a concrete pad.
- Stairways over 24" in height require handrails and must be attached to a stair guard or exterior wall and must be graspable.
- One (1) electrical outlet is required on deck.
- Hardware must be galvanized or stainless steel and are not interchangeable.
- Engineering analysis is required for hot tubs, planters and other dead loads imposed on decks.
- Full blocking is required on all joists 2" by 10" or larger with an 8' maximum.
- If constructing the deck over an existing egress window, shall ensure 36" head clearance and 36" clear pathway out from window within 15'.

If above information is not provided, the permit application will not be processed.

***Note: To access the DSPS Uniform Dwelling Code (UDC) for all applicable standards visit:* https://dsps.wi.gov/Pages/RulesStatutes/TradesProgram.aspx