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| COO Logo Building Dept | **CITY OF ONTARIO**  **BUILDING DEPARTMENT**  303 East B Street  Ontario, CA 91764  Phone (909)395-2023, Fax (909)395-2180 | **INFORMATION BULLETIN**  **204**  Effective: 9 / 14 / 2023 Revised: ---- |
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| **6 FEET HIGH STEEL PICKET FENCE DETAILS** | | |
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| *Approved by:  (James Caro, BO) date:*  *Prepared by:  (Setiawan Ganda) date:* | | |
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| **DESIGN CRITERIA:**   * Applicable codes per 2022 CBC and ASCE 7-16. * Wind speed 110 mph exposure C (per City Ordinance). * Seismic Design Category D. * Risk Category I or II. * Allowable soil bearing pressure 1,500 psf, passive soil bearing 100 psf/ft.   **MATERIAL SPECIFICATIONS**:   |  |  | | --- | --- | | 1. **STEEL** | ASTM A653/A653M [Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by Hot-Dip Process] with a minimum yield strength of 45,000 psi. | | 1. **WELD** | AWS D1.1/D1.1M, “Structural Welding Code – Steel.” | | 1. **CONCRETE FOR FOOTING** | 2,500 psi min. strength or optional mix of 1 part cement, 2½ parts sand, 3½ parts gravel of ¾” max. size, and 7 gallons of water per 90 lb sack of cement. |   **REQUIRED INSPECTIONS:**   * **Footing inspection** (footings shall be excavated, free of soil and debris, with steel posts in place prior to placing the concrete) * **Final** **inspection** (fence completed and site clean)   **GENERAL NOTES:**   * **Shared Common Fences:** if any portion of the fence footing encroaching property line, written permission from the adjacent property owner is required prior to permit issuance. Party Wall/Fence Letter form is available at City of Ontario Building Department web site. * Finish grade shall be of equal elevation on each side of the fence. * Steel picket fence over 3’-0” in height measured from adjacent grade shall require a building permit. * Picket fence posts are not designed to support any vehicular gates. Separate vehicular gate support post is needed. * Member sizes are minimum values. * This detail does not cover electrical and zoning requirements. * This detail is intended only for open fences. Solid backing or screen cover material attached to fence is not allowed. * Fence used for pool/spa barrier must comply with California Residential Code:   + Minimum 60” high fence.   + Minimum 60” high access gates shall be equipped with a self-closing and a self-latching device placed no lower than 54” above floor on the pool side of gate. Access gates shall open outward away from the pool.   + Maximum 2” vertical clearance from the ground to the bottom of fence.   + Gaps or voids, if any, do not allow passage of a sphere equal to or greater than 4” in diameter.   + An outside surface free of protrusions, cavities or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of five years to climb over.   ***DISCLAIMER:***  *Alternate fence designs may be possible when provided with an engineered analysis. Use of this standard*  *design is at the user’s risk and carries no implied or inferred guarantee against failure or defects.* | | |
| COO Logo Building Dept | **SITE ADDRESS: ­­­­­­**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **OWNER’S NAME:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **DATE:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **INSTRUCTIONS:**   1. SHOW LOCATION OF STEEL PICKET FENCE RELATIVE TO THE PROPERTY LINE ON THE SITE PLAN BELOW. 2. INDICATE THE LENGTH AND HEIGHT OF EACH FENCE.   **SITE PLAN**  PROPERTY LINE  PROPERTY LINE  PROPERTY LINE  HOUSE  DRIVEWAY  REAR YARD  FRONT YARD  PROPERTY LINE | | |