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| COO Logo Building Dept | **CITY OF ONTARIO** **BUILDING DEPARTMENT**303 East B StreetOntario, CA 91764Phone (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**:

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| 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 LINEPROPERTY LINEPROPERTY LINEHOUSEDRIVEWAYREAR YARDFRONT YARDPROPERTY LINE |