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CITY OF ELK GROVE
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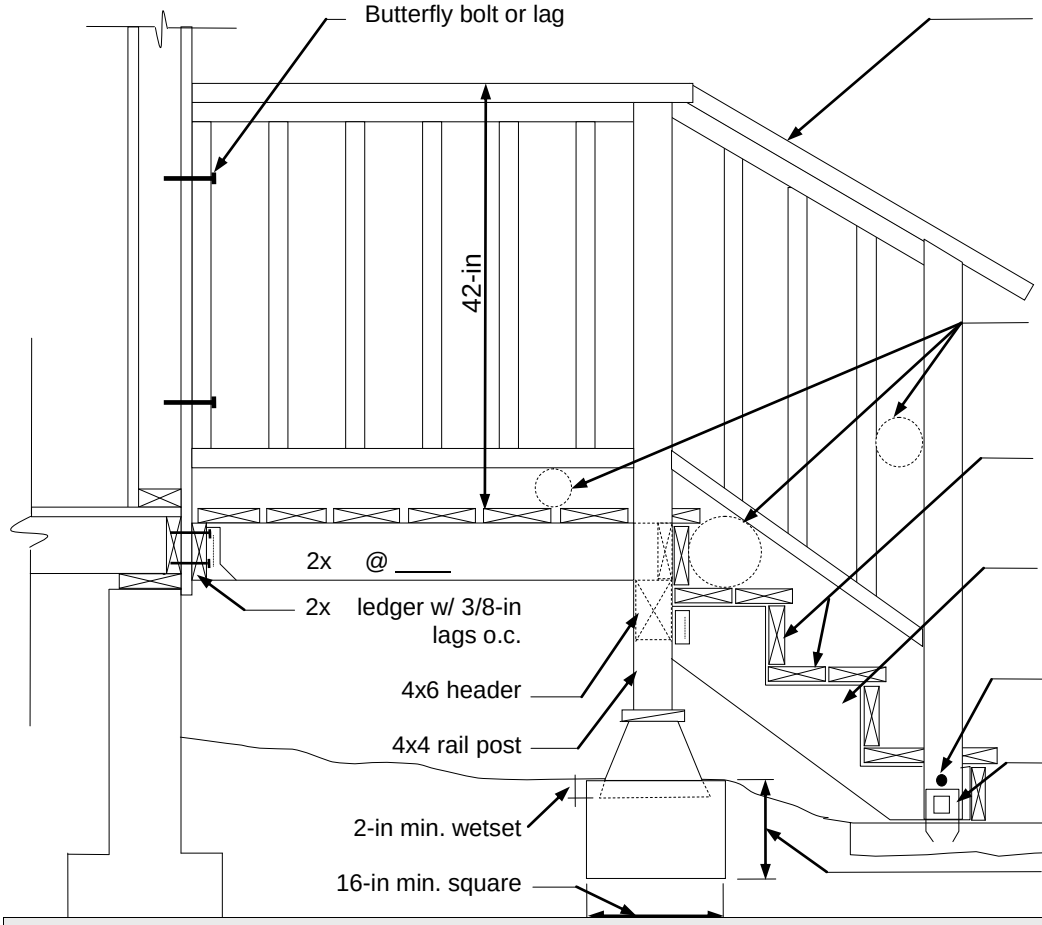
Exterior Landings & Stairs – Residential

December 2010



*****42-in guardrail if walking surface is 30-in above grade.

*****Handrail required if 4 or more risers, 34-in to 38-in from plane of nosing of stairs to top of handrail.

Openings such that a 4-in diameter sphere cannot pass through; 6-in diameter at tread.

Tread 10-in min., rise 7.75-in max.,
2x6 treads/risers.

Cut from 2x12 @ 32-in o.c. min., P.T.

Thru-bolt

PB

12-in min. depth below finish grade to bottom of footing

GUARDRAIL NOTES [CRC R312.1]

- 42-in min. height
- Guardrails at stairs may be 34-in to 38-in
  4-in opening max.; 6-in opening OK at tread
- Construction to resist a 20 plf horizontal load perpendicular to top rail

LANDING NOTES [CRC R311.7.5]

- Slope maximum ¼-in/ft
- Landing 8-in below door OK, no swing over landing; swing/storm doors exempt

HANDRAIL NOTES [CRC R311.7.7-R311.7.9]

- Continuous for full run of stairs
- Grippable surface with no sharp corners
- Railing height between 34-in to 38-in
- Grips must be 1¼-in to 2-in; max. projection 1½-in between wall and rail
- Ends shall return to wall or newel posts
- Support structure to resist a 200-lb load in any direction

WOOD DECKING/POSTS [CRC R502.1]

- Pressure-treated or natural wood of natural resistance to decay, or other approved material for exterior locations

NOTE FOR MANUFACTURED HOMES: The stair detail above is acceptable if home is set on a permanent foundation only; otherwise, the stair/rail system shall be able to be self-supportive. Revise detail as appropriate and see Rail detail for specific construction.