

Georgia Branch, AGC's
Safety Stand Down

Friday, February 13, 2009




Safety Pays!


MEMO:

For the Big Boss
to Shut Down
Projects,
It's Gotta Be
Important

TOPIC:
Fall Protection



Fall Protection
MANDATORY
Beyond This
Point.



Proud Partners



CompTrustAGC
Mutual Captive Insurance Company

Fall Facts



Safety Pays!

* Falls account for 15% of Construction Accidents and 25% of these falls result in a fatality.

Over 400 fatalities resulted from falls in construction in 2007.

291 in specialty trade construction

107 in construction of buildings

31 in heavy and civil engineering construction

* Findings from the 2007 Bureau of Labor Statistics

2007 Census of Fatal Occupational Injuries (preliminary data)

Table A-1. Fatal occupational injuries by industry and event or exposure, All United States, 2007

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*Most Cited in 2007**



Safety Pays!

- 1. 501(b)(13) Fall protection – Residential construction 6' or more (1,887)**
- 2. 501(b)(1) Unprotected sides & edges (1,733)**
- 3. 503(a)(1) Fall hazards training program (1,178)**
- 4. 501(b)(10) Fall protection – Roofing work on low-slope roofs (510)**
- 5. 501(b)(11) Fall protection – Steep roofs (374)**

*Findings from the 2007 Bureau of Labor Statistics



Six Foot Rule



Safety Pays!

OSHA Standard 1926.501(b)(1)

- Each employee on a walking/working surface with an unprotected side or edge which is six feet or more above a lower level shall be protected from falling by the use of:
 - Guardrail systems
 - Safety Nets Systems, or
 - Personal Fall Arrest Systems





Fall Protection is required for:

Safety Pays!

- Unprotected sides & edges
- Leading Edges
- Ramps & Runways
- Dangerous Equipment
- Overhand Bricklaying
- Steep Roofs
- Hoist Areas
- Holes
- Formwork
- Excavations, wells, pits
- Low Slope Roofs
- Precast Concrete
- Wall Openings



Guardrails



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- Top rail at 42 inches
 - *Must hold 200 lbs*
- Mid rail at 21 inches
 - *Must hold 150 lbs*
- Intermediate members/
openings no greater than
19 inches
- Wire rope top rail flagged
every six feet



Anchorage



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- Anchors must be capable of holding 5,000 lbs.
- Must not support anything else
- Best when above employees head



Body Harness



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- Must be inspected prior to use
- Worn equipment retired from use
- Must limit fall to six feet



Connection



Safety Pays!

- Lanyards must have breaking strength of 5000 lbs.
- Lanyard to attach on harness between employees shoulders
- Do not tie back on same lanyard
- Do not shorten with knots
- Self retracting lifelines must stop a fall in 2' max



Warning Line Systems



Safety Pays!

- Erect around all sides of roof work area
- No mechanical equipment in use within 6 feet of edge
- Mechanical equipment in use – 6 feet parallel to direction of equipment and 10 feet on sides perpendicular to travel direction
- Guard roof access points when not in use
- Flag with high visibility material
- No lower than 34 inches nor higher than 39 inches
- For ROOFER use only



Step Ladders



Safety Pays!

- Read and follow all labels & markings
- Always inspect prior to use
- Do not use if damaged
- Always maintain 3 points of contact
- Always lock hinge arm down
- Must be free from any slippery material
- Never use top step
- Never use next to top step



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Extension Ladders



Safety Pays!

- Read and follow all labels & markings
- Always inspect prior to use
- Do not use if damaged
- Always maintain 3 points of contact
- Must be free from any slippery material
- Never use top rung
- Extension ladders must extend 3' past landing



Hole Covers



Safety Pays!

- All openings 2 inches or greater must be protected
- Must be secured to prevent displacement
- Marked “Hole” or “Cover”
- Bilingual Translation
- Vehicular traffic:
 - 2 x max. axle load
- Foot traffic:
 - 2 x weight of expected load



Same Level Falls



Safety Pays!

- Always scan area before entering
- Do not step on loose material
- Watch for puddles of liquid on slick surface
- Make sure adequate lighting is available to see entire work area

