

***PUMP JACK/LADDER JACK SCAFFOLD
PHOTO COMPLIANCE GUIDE***

March 1998

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Aurora Area Office 1997 Scaffold of the Year

Judged the Worst Scaffold of the Year
By Our Compliance Staff



20' high -- No Guardrails



*Expanded view of scaffold
leg footing.*



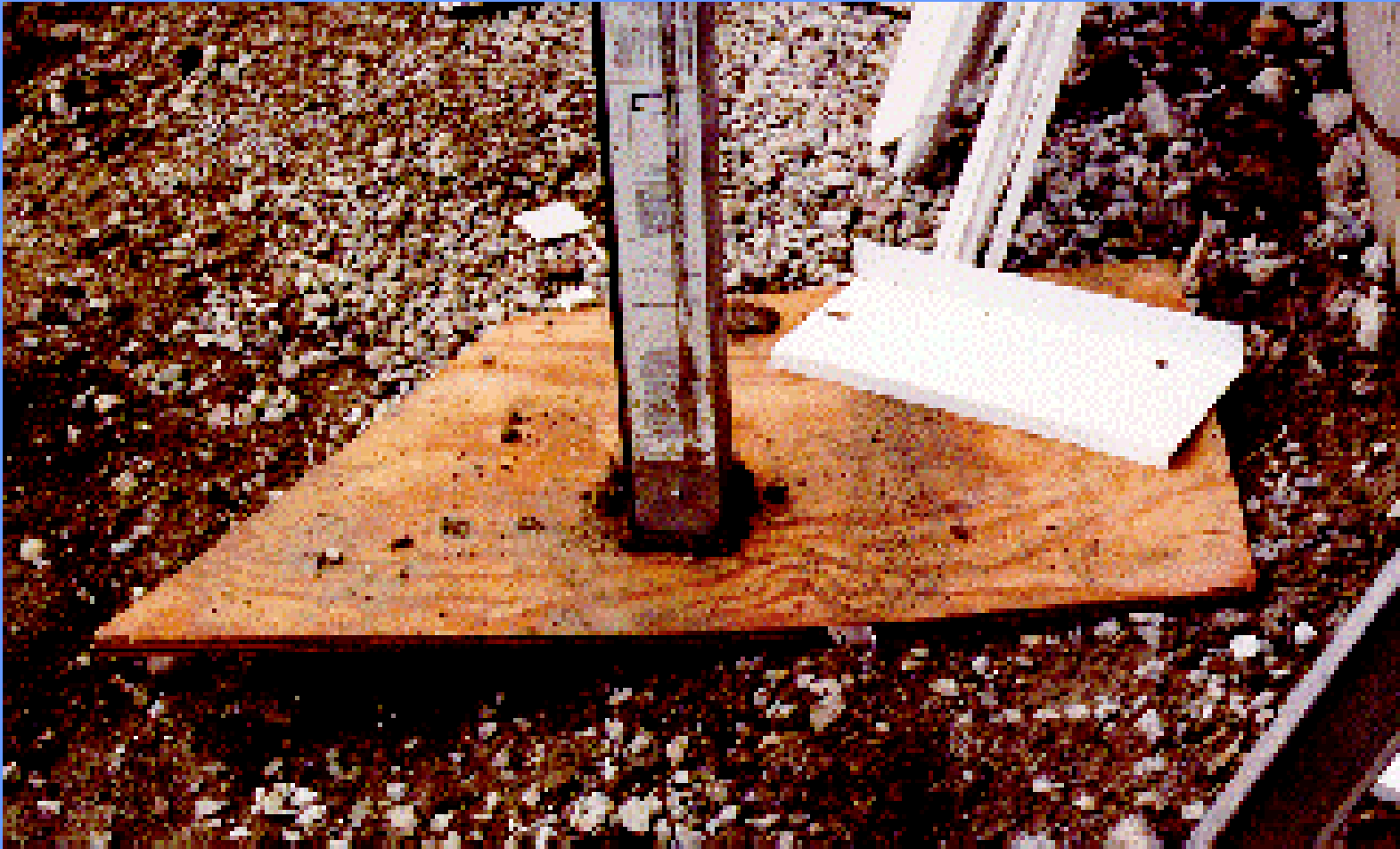
1926.451(b)(4): Each scaffold platform shall extend over its end support at least 6 inches.

Violation: The right platform is not 6 inches over the pump jack bracket.



1926.451(c)(2)(i): Footing shall be capable of preventing displacement. Siding contractor putting a wood pump jack leg onto a welded frame scaffold.

Violation: Use of another scaffold as a footing can cause displacement by allowing scaffold planks to shift out from under the left leg resulting in its collapse.



1926.451(c)(2)(i): Footing shall be sound, rigid, and capable of supporting the loaded scaffold without settling or displacement.

Violation: Soil is undercutting beneath the plywood because it was not compacted and protected from water.



1926.451(c)(4)(i): Footing shall be level, sound, rigid, and capable of supporting the loaded scaffold without settling or displacement.



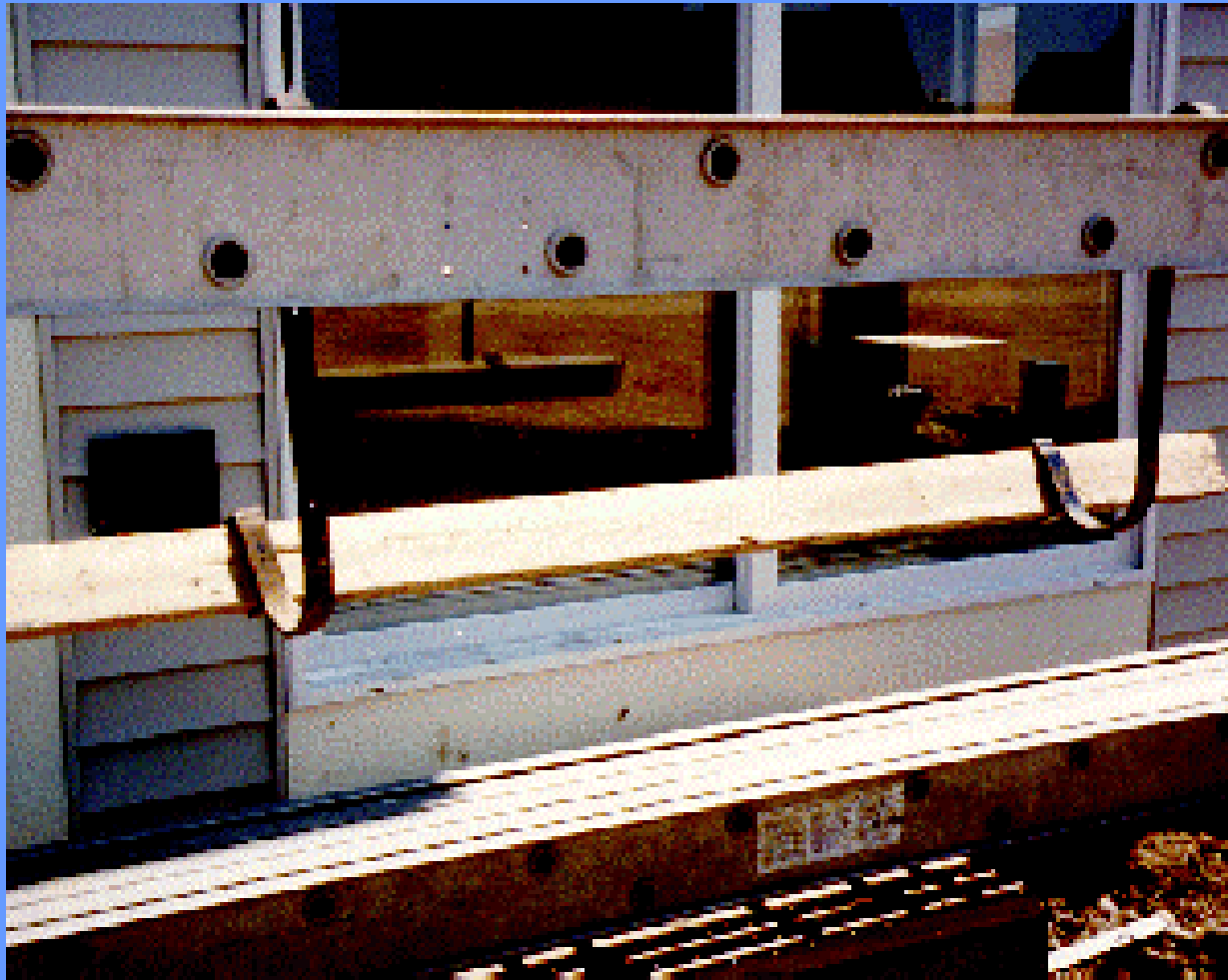
1926.451(e)(1): Safe access shall be provided to scaffolds.

No violation: Ladder arranged so that worker can step onto scaffold directly from the ladder.



1926.451(g)(1):
Guardrails are
required at all open
sides and ends of
scaffolds.

Violation: Ends are
not guarded on this
narrow scaffold.



1926.451(g)(4)(iv): When midrails are used, they shall be installed between the top edge of the guardrail system and the platform surface.



1926.451 (g) (4) (ix):
Midrails shall have 150 lbs.
strength capacity.

No violation: Ladder was
secured to pump jack
brackets and poles giving
required strength.



1926.452(j)(2): Pumpjack poles shall be secured to the structure at the top by the use of rigid triangular bracing or equivalent.

No violation: The top is secured by metal bracing.



1926.452(j)(2):
Pumpjack poles shall be secured to the structure at the bottom by the rigid triangular bracing or equivalent.

No violation: Pump jack pole is secured to mudsill of 3/4 inch plywood which is staked into the ground.



1926.452(j)(2):
Poles shall be secured
at the top by rigid
triangular bracing or
equivalent.



1926.452(j)(3): When work benches are used for fall protection, they must meet requirements of 1926.451(g):

No violation: No midrail is needed because gap between platforms is 23 inches. The work bench can serve as a top rail because the vertical distance from the platform is 23 inches + 4 inch thick platform + 12 inch horizontal plank width = 39 inches.



1926.452(j)(3):
Workbench may be used as a top rail if it meets the requirements for guardrails in 1926.451(g)(4).



1926.452(j)(6): When wood poles are constructed of two continuous lengths, they shall be joined together with the seam parallel to the bracket.

No violation: Seams are parallel to the bracket.



1926.452(j)(3): When two by fours are spliced together to make a pole, mending plates shall be installed at all splices to develop the full strength of the member.

Violation: No mending plate at the splice.



1926.451 (b) (3): Scaffold platform must be within 14 inches to the structure.

No violation: Scaffold is within 14 inches from the building.

1926.451 (e) (1): Safe access to scaffold shall be provided

Violation: Safe access to scaffold not provided.



1926.451(e)(1): Safe access to scaffold shall be provided.

Violation: Scaffold not set up to give safe access.



1926.451(e)(1): Safe access shall be provided to scaffolds over 2 feet in height.

No violation of access requirement: Ladderjack scaffold ladder is set up so that worker steps from ladder to scaffold plank with no interference.



1926.451(g)(1): Fall protection is required for each employee on a scaffold above 10 feet.

No violation: Ladder jack used at 5 feet.



1926.451(g)(1)(i):
Employees on a ladder
jack scaffold shall be
protected by a personal
fall arrest system when
working above 10 feet.

Violation: No fall arrest
on the 14 foot high
scaffold.



1926.451(g)(1)(i):
Employees on ladder jack scaffold shall wear fall arrest.

No violation: Employee wearing fall arrest while siding on the ladder jack.



1926.451(g)(1)(i): Each employee on a ladder jack scaffold shall be protected by a fall arrest system.



1926.453(k)(1):
Ladder jack scaffolds shall not exceed a height of 20 feet.

Violation: Scaffold was 26 feet high.



1926.452(k)(5): Ladder jack scaffold platforms shall not be bridged one to another.

Violation: Both metal planks resting on a single ladder jack bracket.



1926.1053(b)(6):
Ladders must be used on level surfaces unless secured to prevent displacement.

Violation: Ladder feet not stable on a sloped roof.



*Expanded View - 30' high
No intermediate
tie-ins from pump jack.*



*Chicken ladder
used in lieu of fall arrest on roof.*

1926.451 (g) (1) (iii): Each employee on a crawling board (chicken ladder) shall be protected by personal fall arrest, guardrails, or by 3/4 inch grabline or equivalent handhold securely fastened beside each crawling board.

Violation: No fall protection at edge of pump jack or on chicken ladder. No midrail on scaffold.



1926.21(b)(2):
Employees shall be trained to avoid hazards.

No violation: In this instance the use of scaffolding is not feasible for employees applying siding. Employees have been trained in adequate ladder use.



1926.501(b)(11):
Employees on steep roofs
over 6 feet shall have fall
protection.

Violation: Sider on 18 foot
roof with no fall or slide
protection.



1926.501(b)(11): Fall protection is required for sloped roofs over 6 feet high.

No violation: Adequate fall protection (2x4 inch slideguards) is used on this roof.



1926.1053(b)(6): Ladders shall be used on stable and level surfaces.

Violation: Ladder is not stabilized and is also on the slope (unlevel) portion of the roof.



1926.451(c)(2)(ii): Unstable objects shall not be used to support scaffold members.

Violation: Step ladder supporting scaffold on left is not considered stable.